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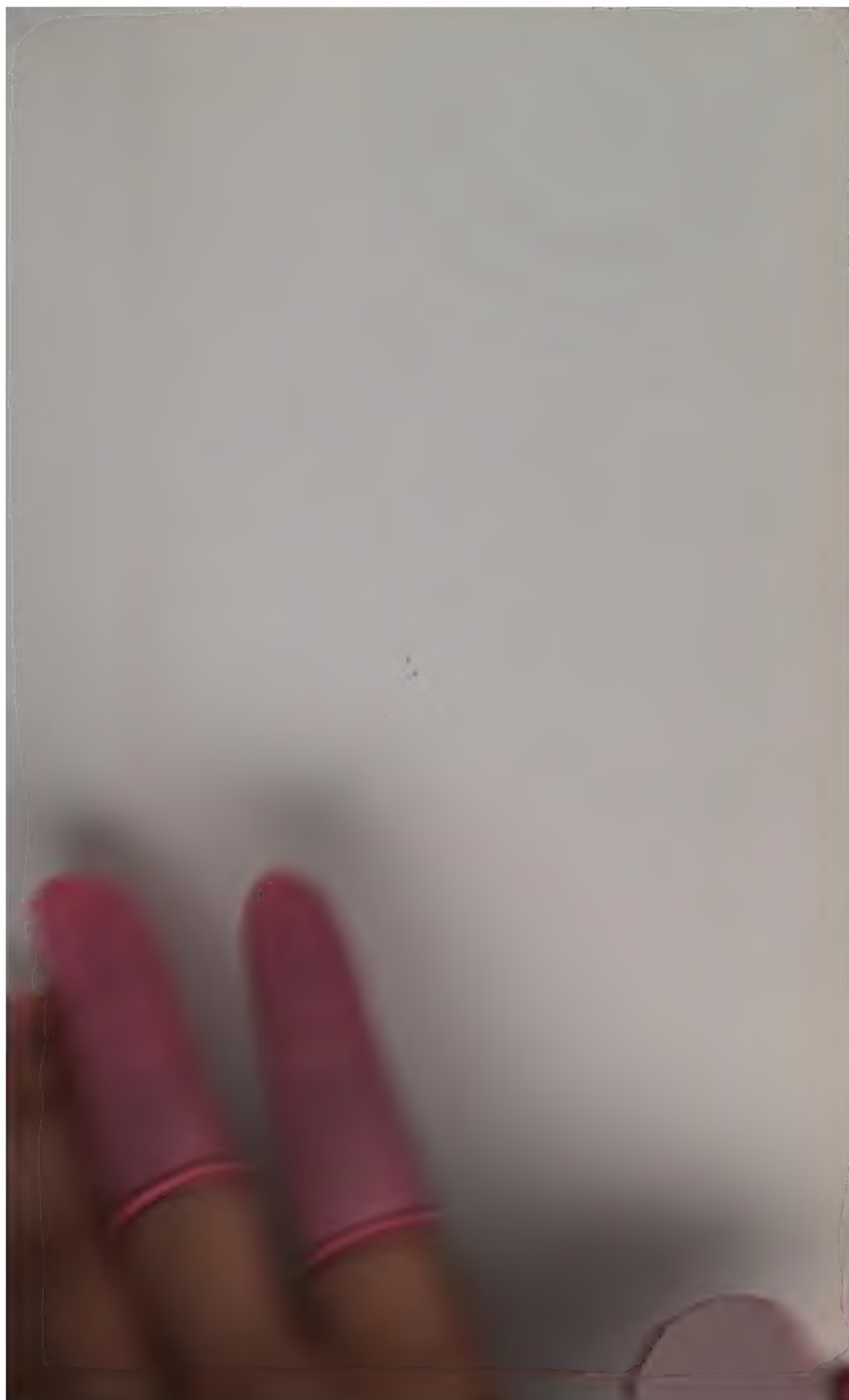
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**DEPARTMENT OF COMMERCE**

**BUREAU OF FOREIGN AND DOMESTIC COMMERCE**

**JULIUS KLEIN, DIRECTOR**

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**STATISTICAL ABSTRACT**

**OF THE**

**UNITED STATES**

**1928**

**FIFTIETH NUMBER**

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**COMMENCING WITH THIS ISSUE, THE STATISTICAL ABSTRACT WILL BE  
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## LETTER OF SUBMITTAL

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DEPARTMENT OF COMMERCE,  
BUREAU OF FOREIGN AND DOMESTIC COMMERCE,

*Washington, June 29, 1928.*

SIR: I have the honor to submit herewith for publication the fiftieth annual issue of the Statistical Abstract of the United States. As in previous years, this publication has been prepared in the Division of Statistical Research, of which E. Dana Durand is chief and Lawrence B. Mann assistant chief. It represents, however, a digest of data collected by all statistical agencies of the National Government, as well as those of a considerable number of private agencies and one or two States. Many of these offices and agencies have been of great assistance in furnishing advance data and also in the actual preparation of the tables used in the Abstract. Special mention in this connection is due the following offices of the Federal Government: The Bureau of the Census, the Bureau of Fisheries, and the Bureau of Mines of the Department of Commerce; the Bureau of Agricultural Economics and the Weather Bureau of the Department of Agriculture; the Bureau of Immigration and the Bureau of Labor Statistics of the Department of Labor; the Bureau of Education of the Department of the Interior; the Federal Board for Vocational Education; the Statistical Division of the Income Tax Unit and the Federal Farm Loan Bureau of the Treasury Department; the Veterans' Bureau; the Interstate Commerce Commission; the United States Shipping Board; and the Division of Analysis and Research of the Federal Reserve Board. Valuable aid has also been given by the Bureau of Railway Economics, Washington; the New York Produce Exchange; the Spectator Co., New York; Dun's Review, New York; and the Bureau of Canals, State of New York.

Owing to the publication by the department of the Commerce Yearbook for Foreign Countries, tables dealing with foreign statistics are, for the most part, omitted.

Respectfully,

**369288**

JULIUS KLEIN,  
*Director of Bureau.*

TO HON. HERBERT HOOVER,  
*Secretary of Commerce.*



# CONTENTS

<b>Letter of submittal.....</b>	<b>Page ii</b>
<b>1.—AREA AND POPULATION</b>	
<b>Table</b>	
1. Territorial Expansion of the United States: Date and area of accessions.....	1
2. Dates of Organization of Territories and Admission of States.....	1
3. Area of States and Geographic Divisions.....	2
4. Area and Population, United States: 1790 to 1920.....	2
5. Population of United States and Outlying Territories and Possessions: 1910 and 1920.....	3
6. Annual Mid-year Estimates of Population: United States, 1850 to 1928, and Territories and Possessions, 1903 to 1928.....	3
7. Race, Nativity, and Parentage of Population: 1860 to 1920.....	4
8. Sex Distribution: Totals, 1860 to 1920; and by race, nativity, and parentage, 1900 to 1920.....	5
9. Age Distribution: Total, 1900 to 1920, and by sex and by race, nativity, and parentage, 1920....	5
10. Population by States: 1790 to 1920.....	6
11. Annual Mid-Year Estimates of Population: By States.....	8
12. Density of Population: By States, 1800 and 1850 to 1920.....	9
13. Age Distribution: By States.....	10
14. Age Distribution: Percentages by States.....	11
15. Race of Population: By States, 1860 to 1920.....	12
16. Race, Nativity, and Parentage: By States.....	14
17. Sex Distribution: By race and nativity, by States.....	16
18. Persons 21 Years of Age and Over: By race, nativity, and parentage, and total males 18 to 44 years of age, by States.....	18
19. Race, Nativity, and Parentage: Percentages by States.....	20
20. Marital Condition: By sex, race, nativity, and parentage.....	21
21. Marital Condition: By sex, race, nativity, and parentage, by geographic divisions.....	22
22. Marital Condition: By States.....	24
23. Marital Condition of White and Negro Persons: For geographic divisions and for selected States..	26
24. Illiterate Persons: By geographic divisions, distinguishing urban and rural, and by age groups..	27
25. Illiterate Persons: By States.....	28
26. Percentage of Illiteracy: By States.....	29
27. Dwellings, Families, and Tenure of Homes: By States.....	30
28. Average Number of Persons per Dwelling and per Family, and Percentage Distribution of Families by Tenure of Home: By States.....	31
29. Foreign-born Population: By country of birth, 1870 to 1920.....	32
30. Foreign-born Whites: By country of birth.....	33
31. Foreign-born Population, Urban and Rural: By country of birth.....	33
32. Foreign White Stock, by Mother Tongue.....	34
33. Citizenship of Foreign-born Whites: By principal countries of birth.....	35
34. Foreign-born Whites: By country of birth, by States.....	36
35. Urban and Rural Population: By States.....	40
36. Urban and Rural Population: By race, nativity, and parentage, and by sex and age groups.....	41
37. Marital Condition of Urban and Rural Population.....	42
38. Urban and Rural Dwellings and Families.....	42
39. Cities of 50,000 or More Inhabitants: Mid-year Estimates of Population.....	43
40. Cities of 50,000 or More Inhabitants: Population by color, nativity, and parentage, and sex....	44
41. Persons Engaged in Gainful Occupations: By sex and age groups.....	48
42. Persons Engaged in Gainful Occupations: By sex, age, race, nativity, and parentage.....	48
43. Persons Engaged in Each General Group of Occupations: By sex.....	49
44. Persons Engaged in Each General Group of Occupations: By sex and age.....	49
45. Persons Engaged in Each Specified Occupation: By sex, nativity, and parentage.....	50
46. Males Engaged in Each General Group of Occupations: By States.....	58
47. Females Engaged in Each General Group of Occupations: By States.....	59
48. Males and Females Engaged in Gainful Occupations: By States, 1910 and 1920.....	60
49. Religious Bodies: Churches and members, by denominations.....	61
50. Religious Bodies: Value of property and expenditures, and number of Sunday schools and scholars.....	62
<b>2.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS</b>	
51. Defectives, Delinquents, and Dependents: By States.....	63
52. Deaf Mute Population, 1860 to 1920.....	64

Table	Page
53. Deaf-Mutes Enumerated and Sex, Race, and Nativity of those for whom Special Schedules were Returned.....	64
54. Cause of Deafness and Age at Which Hearing was Lost by Deaf-Mutes.....	64
55. Education, Ability to Read Lips, and Means of Communication of Deaf-Mutes.....	65
56. Occupations of Deaf-Mutes 10 Years of Age and Over.....	65
57. Blind Population Enumerated, 1880 to 1920.....	66
58. Blind Enumerated, and Sex, Race, and Nativity of those for Whom Special Schedules were Returned.....	66
59. Cause of Blindness and Age at Which Vision was Lost by Blind.....	66
60. Education and Ability to Read Raised Type of Blind 5 Years of Age and Over.....	67
61. Occupations of Blind Population 10 Years of Age and Over.....	67
62. Patients Enumerated in Hospitals for Mental Disease, 1880 to 1923.....	68
63. Age Distribution of Patients Enumerated in Hospitals for Mental Disease, 1880 to 1923.....	68
64. Psychosis of Patients Admitted to Hospitals for Mental Disease during 1922.....	68
65. State Hospitals for Mental Disease.....	69
66. State Institutions for the Feeble-minded and Epileptics.....	70
67. Paupers Enumerated in Almshouses, 1880 to 1923.....	71
68. Age Distribution of Paupers Enumerated in Almshouses, 1880 to 1923.....	71
69. Sex, Race, and Nativity of Paupers Admitted to Almshouses, and Number of Departures and Deaths during 1922.....	71
70. Prisoners Enumerated January 1, 1923, and Commitments during the Year, by Classes.....	72
71. Prisoners Enumerated, by Geographic Divisions, 1880 to 1923.....	72
72. Prisoners and Juvenile Delinquents Enumerated January 1, 1923, and Commitments during the Year.....	72
73. Distribution of Prisoners Enumerated and of Commitments, by Principal Offenses.....	73
74. Distribution of Prisoners and of Commitments, by Nature and Length of Sentence.....	73
75. Admissions to State and Federal Prisons and Reformatories, by States.....	74
76. Prisoners in State and Federal Prisons and Reformatories, by States.....	75

3.—VITAL STATISTICS

77. Birth and Death Registration Area: States included in registration area with year when each was added.....	77
78. Deaths: Number and rates, 1880 to 1926.....	77
79. Deaths: Rates by sex and age groups, 1901 to 1926.....	78
80. Deaths: Crude rates, 1913 to 1926, by race, distinguishing cities and rural area.....	79
81. Deaths: Number in the death registration States.....	79
82. Deaths: Rates by States.....	80
83. Deaths: Crude and adjusted rates, by registration cities of 100,000 or more inhabitants.....	81
84. Deaths: Number and rates, by important causes.....	82
85. Births, Deaths, and Deaths under 1 Year of Age: By sex.....	83
86. Number of Births and Excess of Births over Deaths: By States.....	84
87. Birth and Death Rates: 1917 to 1926.....	85
88. Birth Rates and Excess of Births Over Deaths: By States.....	85
89. Births and Stillbirths By Legitimacy: By States.....	86
90. Deaths of Infants under 1 Year of Age: Rates, by principal causes.....	87
91. Deaths of Infants under 1 Year of Age: Rates, according to age subdivisions.....	87
92. Deaths of Infant under 1 Year of Age: Number and rates, by States.....	88
93. Homicides and Suicides: Number and rate in cities having 100,000 population or more.....	89
94. Marriages and Divorces: Number granted and ratio of divorces to marriages.....	89
95. Marriages and Divorces: Number granted and ratio of divorces to marriages by States.....	90

4.—IMMIGRATION AND EMIGRATION

96. Immigration: 1821 to 1927.....	91
97. Admissions and Departures of Aliens: 1910 to 1927.....	91
98. Immigrants Admitted, Debarred, and Deported.....	92
99. Immigrant Aliens Admitted: By occupation, amount of money brought, etc.....	92
100. Immigrant Aliens Admitted and Emigrant Aliens Departed, by Sex and Age; and Illiteracy of Immigrants.....	92
101. Immigration: By countries of last residence, by decades, 1831 to 1920.....	93
102. Immigrant Aliens Admitted and Emigrant Aliens Departed: By country of last or future residence.....	94
103. Immigrant Aliens Admitted and Emigrant Aliens Departed with Excess of Admissions or Departures: By race or people.....	96
104. Immigrant Aliens Admitted and Emigrant Aliens Departed: By race or people, and by sex and age groups.....	98
105. Immigrant Aliens Admitted: Percentages, by race or people.....	99
106. Quota and Nonquota Immigrants Admitted: By country or region of birth.....	99

CONTENTS

V

Table	Page
107. Immigration under the Per Centum Limit Law: By Nationality.....	100
108. Aliens Admitted: By classes under the immigration act of 1924, and by region of birth.....	101
109. Naturalized and Native-born Citizens Permanently Departed.....	101
110. Arrivals of Passengers from Foreign Countries at the Principal Seaports.....	102
111. Departures of Passengers from Seaports of the United States for Foreign Countries.....	102

5.—EDUCATION

112. Summary of Public Elementary and Secondary Schools: 1870 to 1926.....	103
113. Elementary, Commercial, Secondary, Normal School, and College Enrollment.....	104
114. Public High Schools and Private High Schools and Academies: 1890 to 1926.....	104
115. Public Elementary and Secondary Schools: Expenditures, by States.....	105
116. Elementary and Secondary Schools, Public and Private: Enrollment and attendance, by States.....	106
117. Public Elementary and Secondary Schools: Number and salary of teachers, by States.....	108
118. Public High Schools and Private High Schools and Academies: Teachers and pupils, by States.....	109
119. School Statistics of Noncontiguous Territory.....	110
120. Normal Schools and Teachers' Colleges.....	111
121. Normal Schools and Teachers' Colleges: By States.....	112
122. Universities, Colleges, and Professional Schools: Instructors, students, and income, 1890 to 1926, and by States, 1926.....	114
123. Universities, Colleges, and Professional Schools: Students pursuing specified professional courses, by States.....	116
124. Universities, Colleges, and Professional Schools: Libraries and property, by States.....	117
125. Nurse Training, Commercial, Summer, and Reform Schools: By States.....	118
126. Schools for the Blind, the Deaf, and the Feeble-Minded: By States.....	119
127. Schools for the Blind, the Deaf, and the Feeble-minded: 1910, 1922, and 1926.....	120
128. Vocational Education: Teachers and pupils, by class of school.....	120
129. Vocational Education: Pupils enrolled, by States.....	121
130. Vocational Education: Pupils enrolled in vocational teacher-training courses, by States.....	122
131. Vocational Education: Expenditures under the vocational education act.....	123
132. Vocational Rehabilitation of Persons Disabled in Industry or Otherwise.....	124

6.—PUBLIC LANDS AND NATIONAL PARKS

133. Original and Final Entries of Public Lands and Area Patented: By classes.....	125
134. Public Lands Withdrawn from General Settlement: Acreage.....	125
135. Area of Indian Reservations and Indian Population: By States.....	126
136. Original Entries of Public and Indian Lands under All Acts: By States.....	126
137. Homesteads: Acreage of original entries by States, 1911 to 1927, and final entries for the entire area, 1868 to 1927.....	127
138. Stock-Raising Homesteads: Original entries from passage of act to June 30, 1927, by States.....	127
139. Timber and Stone, Coal, Mineral, and Desert-Land Entries: By States.....	128
140. Public Lands: Acres unappropriated and unreserved, by States.....	128
141. Acreage of Public and Indian Lands Patented: By States and classes.....	129
142. Lands Certified or Patented on Account of Railway and Wagon Road Grants: By States.....	129
143. Lands Certified or Patented on Account of Railway or Wagon Road Grants: 1850 to 1927.....	130
144. Land Grants to States for Educational and Other Purposes: By States.....	131
145. National Parks and National Monuments, with Description.....	132

7.—CLIMATE

146. Climatic Conditions: Selected cities in the United States.....	135
---	-----

8.—ARMY, NAVY, CIVIL SERVICE, PENSIONS, VETERANS' BUREAU ACTIVITIES, ELECTIONS, ETC.

147. Army of the United States: Strength of component parts, 1890 to 1927.....	147
148. National Guard: Organized strength, by States.....	148
149. Navy, Marine Corps, and Naval Reserve: Organized strength, 1903 to 1927.....	148
150. Army: Estimated strength, specified months, 1917 and 1918.....	149
151. Army: Comparative strength on April 1, 1917, and November 11, 1918, by branches.....	149
152. Navy: Number and displacement of vessels fit for service, 1906 to 1927.....	149
153. Navy: Number and displacement of vessels fit for service and under construction, and authorized but no funds appropriated, by classes, December 31, 1927.....	150
154. American Red Cross: Expenditures.....	151
155. American Red Cross: Annual roll call, by States.....	151
156. Pensions: Number of pensioners on rolls and disbursements for pensions.....	152
157. Veterans' Bureau: Disbursements from appropriations and trust funds.....	153
158. Veterans' Insurance and Compensation: Death and disability awards.....	153
159. Government Life Insurance: Annual premium rates by specified forms of insurance.....	154
160. Government Life Insurance: Insurance in force and premiums collected.....	154

Table	Page
161. Government Life Insurance: Classification of converted insurance.....	155
162. Government Life Insurance Fund: Financial statement.....	155
163. Action Taken on Adjusted Compensation to June 30, 1927.....	155
164. Adjusted Compensation Awards: Number and amount to June 30, 1927, by residence.....	156
165. Vocational Rehabilitation of Disabled Veterans: Number entered, discontinued, and in training..	156
166. Hospitalization: United States Veterans' Bureau beneficiaries.....	157
167. Civil Service Retirement: Operations under the act of May 22, 1920, and July 3, 1926.....	157
168. Civil Service: Growth of the executive civil service and the merit system.....	158
169. Civil Service: Number of employees, by departments and offices.....	158
170. Civil Service: Examinations by the Civil Service Commission, appointments, and approxi- mate number of competitive positions, 1883 to 1927.....	159
171. Popular Vote for Presidential Electors: By parties, totals, 1888 to 1924, and by States, 1924....	160
172. Electoral Vote for President: By principal political parties and by States.....	161
173. Congressional Representation: Ratios and apportionment, by States, at each census, 1790 to 1910.....	162

### 9.—NATIONAL GOVERNMENT FINANCES

174. Receipts and Expenditures: Summary, 1791 to 1927.....	163
175. Ordinary Receipts: By major classes, 1791 to 1927.....	164
176. Ordinary Expenditures: By major classes, 1791 to 1927.....	165
177. Receipts: By sources, 1926 and 1927.....	166
178. Expenditures: By detailed purposes, 1926 and 1927.....	168
179. Receipts and expenditures: By major classifications, 1921 to 1927.....	172
180. Appropriations by the Congress of the United States, 1917 to 1928.....	174
181. Internal Revenue: Amounts collected from principal sources, 1863 to 1927.....	175
182. Internal Revenue: Receipts from each specific source, 1922 to 1927.....	176
183. Internal Revenue: Income and profits tax and miscellaneous receipts, by States.....	178
184. Personal Income Tax Returns: Analysis, 1919 to 1925.....	179
185. Personal Income Tax Returns: Number and net income, by family relationship.....	179
186. Personal Income Tax Returns: Number, net income, tax, and average rate, by income classes...	180
187. Personal Income Tax Returns: Analysis, by income classes.....	181
188. Personal Income Tax Returns: Total income by income classes, distributed by sources.....	182
189. Personal Income Tax Returns: Total income by States, distributed by sources.....	183
190. Personal Income Tax Returns: Number, net income, and tax yield, by States.....	184
191. Personal Income Tax Returns: Analysis, by States.....	186
192. Personal and Corporation Income Tax Returns: Number, net income, and tax, by States.....	188
193. Personal and Corporation Income Tax Returns: Summary, 1912 to 1925.....	189
194. Corporation Income Tax: Gross receipts of corporations by industrial groups.....	189
195. Corporation Dividends: By industrial groups.....	190
196. Corporation Income Tax Returns: Sources of income and nature of deductions, by classes of corporations.....	190
197. Corporation Income Tax Returns: Distributed according to size of net income, by industrial groups.....	192
198. Corporation Income Tax Returns: Net income, and tax yield, by States.....	193
199. Corporation Income Tax Returns: Analysis, by States.....	194
200. Corporation Income Tax Returns: By industrial groups, 1918 to 1925.....	196
201. Corporation Income Tax Returns: By industrial groups and industries.....	198
202. Capital Stock Tax Returns: Analysis for Major Industrial Groups.....	199
203. Assets of Corporations as Shown on Capital Stock Tax Returns.....	199
204. Capital Stock Tax Returns: By industrial groups.....	200
205. Federal Estate Tax Returns: Distribution by size of net estate.....	201
206. Public Debt: Totals, 1800 to 1927, and by classes, 1916 to 1927.....	202
207. Public Debt: Amount outstanding by specified loans.....	203
208. Public Debt: Transactions from July 1, 1926, to June 30, 1927.....	206
209. Public Debt: Summary of transactions in interest-bearing and matured debt, 1924 to 1927.....	207
210. Public Debt of the United States: Interest-bearing debt, distributed by maturities.....	208
211. Money cost of World War to United States Government.....	208
212. Payments and Loans of the United States Government to Carriers.....	208
213. Obligations of Foreign Governments to the United States: Payments on account of principal and amounts outstanding.....	209
214. Obligations of Foreign Governments to the United States: Payments on account of interest..	210
215. Obligations of Foreign Governments to the United States: Original and funded debt and pres- ent value of payments to be received.....	210
216. Securities Owned by the United States Government.....	211

10.—STATE, CITY, AND LOCAL GOVERNMENT FINANCES

Table	Page
217. Taxes: Total levies of ad valorem general property taxes of States, counties, and minor civil divisions, by States.....	213
218. Assessed Valuation of Property Subject to General Property Tax: By States.....	214
219. Public Debt: All classes of Government organizations.....	214
220. State Finances: Revenue receipts and governmental cost payments, all States combined.....	215
221. State Finances: Receipts and cost payments per capita, all States combined.....	215
222. State Finances: Revenue receipts and governmental cost payments, by States.....	216
223. State Debts: Gross debt less sinking-fund assets, total and per capita, by States.....	217
224. State Debts: Gross debts, sinking-fund assets, and total and per capita net debt, by States....	218
225. Bonded Indebtedness of States: By purpose of issue.....	219
226. State Debts: Gross debt, sinking-fund assets, and total and per capita debt less sinking-fund assets of the 48 States combined, 1880 to 1926.....	220
227. Local Government Debt by Classes of Civil Divisions: By States.....	220
228. Debts of Local Governments: Combined debt of all civil divisions, by States.....	221
229. Debts of States and Local Governments Combined: By States.....	222
230. Finances of Cities: Receipts and cost payments of cities, by size groups.....	223
231. Finances of Cities: Per capita receipts and cost payments of cities, by size groups.....	224
232. Finances of Cities: Per capita receipts, cost payments, and net debt of 146 cities combined.....	224
233. Finances of Cities: Receipts, payments, and net debt of each city having a population of 30,000 to 100,000.....	225
234. Finances of Cities: Receipts and cost payments of each principal city.....	228
235. Finances of Cities: Receipts of each principal city, by sources.....	230
236. Finances of Cities: Governmental cost payments of each principal city, by objects.....	232
237. Finances of Cities: Per capita net debt of each principal city.....	230

11.—MONEY AND BANKING

238. Coinage of the United States Mint: 1793 to 1927.....	237
239. Gold and Silver Coinage of the Mints of the Principal Countries: 1885 to 1925.....	237
240. Money: Stock in the United States, by kinds, 1860 to 1927.....	238
241. Money: Stock and amount in Treasury and in circulation, 1800 to 1927.....	239
242. Federal Reserve Banks: Total and principal assets of all banks and of each bank.....	240
243. Federal Reserve Banks: Principal liabilities of all banks and of each bank.....	241
244. Federal Reserve Banks: Discount and open-market operations.....	242
245. Federal Reserve Banks: Bills discounted for member banks, by States.....	243
246. Federal Reserve Banks: Holdings of purchased acceptances.....	244
247. Federal Reserve Banks: Holdings of United States securities.....	244
248. Federal Reserve Banks: Holdings of discounted bills, by classes and maturities.....	245
249. Discount Rates of each Federal Reserve Bank: 1914 to 1927.....	246
250. Gold Settlement Fund: Summary of transactions through the fund.....	248
251. Federal Reserve Agents' Gold Fund: Summary of transactions.....	249
252. Federal Reserve Banks: Operations of branches.....	249
253. Federal Reserve Banks: Volume of operations in principal departments.....	250
254. Federal Reserve Banks: Average annual rate of earnings on earning assets.....	251
255. Federal Reserve Banks: Profit and loss account.....	251
256. Federal Reserve Banks: Clearing operations and number of banks on par list.....	252
257. Federal Reserve System: Number, capital and surplus, and total resources of member banks...	253
258. Federal Reserve System: Principal assets and liabilities of reporting member banks in leading cities.....	253
259. Federal Reserve System: Principal assets and liabilities of all member banks for reserve cities, country banks, and each Federal reserve district.....	254
260. Banks: Number, capital and surplus, and total resources of each class of banks.....	256
261. Banks: Principal resources and liabilities of all banks, by States.....	257
262. Banks: Individual deposits in each class of banks.....	258
263. National Banks: Principal resources and liabilities.....	259
264. National Banks: Principal resources and liabilities, by States.....	260
265. National Banks: Classification of loans and discounts.....	261
266. National Banks: Loans and discounts, by reserve cities and States.....	262
267. National Banks: Securities owned, by classes.....	263
268. National Banks: Number, capital and surplus, loans, and note circulation, 1864 to 1927.....	264
269. National Banks: Dividends and net addition to profits, with ratios.....	264
270. Banks Other Than National: Assets and liabilities of each class of banks.....	265
271. Savings Deposits and Depositors in Banks and Trust Companies.....	266
272. Savings Deposits and Depositors in Banks and Trust Companies: By States.....	267
273. Savings Deposits and Depositors in Each Class of Banks: By States.....	268
274. Postal Savings: Summary of business since the establishment of the system.....	269
275. Postal Savings: Summary of business, by States.....	269



Table	Page
276. Building and Loan Associations: Number, membership, and assets, totals and by States.....	270
277. Certain Major Items of Savings of the United States.....	271
278. Federal Land Banks: Consolidated statement.....	271
279. Federal Land Banks: Business transacted since organization, by districts and States.....	272
280. Federal Land Banks: Purposes of loans granted since organization, by districts.....	273
281. National Farm Loan Associations: Loans made since organization, by States.....	273
282. Joint-Stock Land Banks: Capital, surplus, reserves, and loans for each bank.....	274
283. Joint-Stock Land Banks: Business transacted since organization, by States.....	275
284. Joint-Stock Land Banks: Consolidated statement.....	276
285. Intermediate Credit Banks: Principal assets and liabilities, by districts.....	276
286. Intermediate Credit Banks: Consolidated statement.....	277
287. War Finance Corporation: Status of advances made under all sections of the act.....	277
288. Clearing House Exchanges: Summary by geographic divisions.....	278
289. New York Clearing House Transactions.....	278
290. Clearing House Exchanges: By cities.....	279
291. Debits to Individual Accounts: Volume reported by banks in 141 principal cities, by districts..	283
292. Debits to Individual Accounts: Volume reported by banks in 141 principal cities, by months...	283
293. Debits to Individual Accounts: Volume reported by banks in each of 141 principal cities.....	284
294. Brokers' Loans Outstanding Each Month, 1926 and 1927.....	286
295. Increase or Decrease in Gold Under Earmark for Foreign Account in the United States.....	286

## 12.—WEALTH

296. National Wealth, Estimates: Total, 1850 to 1922, and by classes, 1900 to 1922.....	287
297. Wealth: Estimated value of tangible property in each State, by classes.....	288
298. Wealth: Estimated value of all tangible property in each State, total and per capita.....	290

## 13.—BUSINESS FINANCE

299. Exchange Rates in New York for Cable Transfers on Principal Financial Centers.....	291
300. Exchange Rates in New York for Cable Transfers on Principal Financial Centers: By months.....	292
301. Interest Rates: Call money, time loans, and acceptances, New York, by quarters or months..	294
302. Interest Rates: Call money, time loans, and acceptances, New York, by weeks.....	296
303. Fire and Marine Insurance Business: Major statistical items.....	296
304. Fire Insurance: Outstanding risks, 1877 to 1926.....	297
305. Fire and Lightning Insurance Business: Detailed statistics, 1920 to 1926.....	297
306. Fires: In each city of 100,000 or more inhabitants.....	298
307. Fire Losses: Estimated United States total and total for reporting cities.....	299
308. Life Insurance: Detailed financial condition and business transacted.....	300
309. Life Insurance: Cumulative results of operations since organization, principal American life insurance companies combined.....	301
310. Life Insurance: Summary of financial condition and policy account.....	301
311. Life Insurance Issued and Terminated: With mode of termination.....	302
312. Life Insurance Issued and Terminated Annually by Surrender, Lapse, and Decrease.....	302
313. Life Insurance: Summary of financial condition and policy accounts of companies reporting to New York insurance department, 1859 to 1926.....	303
314. Ordinary and Industrial Life Insurance: Business written and in force, by States.....	304
315. Life Insurance of Fraternal Orders.....	305
316. Mutual Accident and Sick Benefit Associations: Financial condition and business.....	306
317. Casualty, Surety, and Miscellaneous Insurance: Financial condition and business.....	306
318. Miscellaneous Classes of Insurance: Premiums and losses.....	307
319. Dividend and Interest Payments: Corporate and governmental.....	307
320. Capital Issues: Corporate, foreign government, farm loan, and State and municipal.....	308
321. Capital Issues of Corporations.....	309
322. New Incorporations: Authorized capital of new enterprises chartered.....	309
323. Price Movements of Stocks and Bonds on the New York Stock Exchange.....	310
324. New York Stock Exchange Transactions.....	310
325. Indexes of Value of Sales of Chain Stores: By branches of business.....	310
326. Indexes of Value of Wholesale Sales: By branches of business, and by months.....	311
327. Indexes of Value of Sales of Department Stores: By months, and by Federal Reserve Districts.....	311
328. Commercial Failures: Annually since 1857 and monthly from 1918 to 1927.....	312
329. Commercial Failures: Aggregates, by States.....	313
330. Commercial Failures, by General Classes of Business, and Bank Suspensions: By States.....	314
331. Commercial Failures, by Specific Branches of Business, and Bank Suspensions.....	315



# CONTENTS

IX

## 14.—PRICES. (See also Supplement to Price and Power Sections, p. XVI)

Table	Page
332. Wholesale, Retail, and Farm Prices: Index numbers, monthly.....	317
333. Wholesale Prices: By Commodity Groups, Index numbers.....	318
334. Wholesale Prices: Index numbers, 1860 to 1889.....	319
335. Wholesale Prices by Commodity Subgroups: Index numbers.....	319
336. Wholesale Prices by Commodity Groups: Revised index numbers.....	320
337. Wholesale Prices of Leading Commodities: Actual and relative.....	321
338. Wholesale Price Indexes, Bradstreet's, Dun's, and Bureau of Labor Statistics.....	324
339. Comparison of Indexes of Wholesale Prices and Cost of Living: By nearest similar groups.....	324
340. Wholesale Prices in Foreign Countries: Index numbers.....	325
341. Cost of Living in the United States: Index numbers, by groups.....	326
342. Cost of Living in Principal Cities: Index numbers.....	326
343. Cost of Living and Retail Food Prices in Foreign Countries: Index numbers.....	327
344. Index Numbers of the Retail Price of Food, and Purchasing Power of the Dollar.....	328
345. Retail Food Price Index Numbers for 39 Individual Cities.....	328
346. Retail Prices of Principal Individual Articles of Food: Actual and relative.....	329
347. Annual Average Unit Values of Important Articles Imported.....	330
348. Annual Average Unit Values of Important Articles Exported.....	332

## 15.—WAGES

349. Wages and Hours of Labor: Textile, boot and shoe, iron and steel, foundries, machine shops, lumber, and slaughtering and meat packing industries.....	333
350. Wages per Hour in the Coal Mining Industry.....	336
351. Index Numbers of Union Wage Rates and Hours of Labor.....	336
352. Wages and Hours of Labor: Automobile, automobile tire, wood pulp and paper, pottery and metalliferous mining industries.....	337
353. Index Numbers of Union Wage Rates and Hours of Labor: Specified trades.....	338
354. Average Union Rate of Wages in Trades Specified.....	340
355. Indexes of Employment and Pay Roll, and Operation Ratios, in Manufacturing Industries.....	341
356. Indexes of Employment and Pay Roll: Major groups of manufacturing industries.....	341

## 16.—POSTAL SERVICE

357. Statistical Summary of the Postal Service: 1800 to 1927.....	343
358. Revenues, Postal Service: By principal items.....	344
359. Postal Money-order business.....	344
360. Expenditures, Postal Service: By principal items.....	345
361. Transportation of Domestic Mails, and Number and Salaries of Railway Mail Employees.....	345
362. City and Rural Free Delivery and Star Route Service.....	346
363. Volume of Postal Service: Stamped paper, second class, foreign, registered, etc.....	346
364. Gross Receipts, Cost of City Delivery Service and of Clerk Hire at Principal Offices.....	347
365. Postal Service: Number of offices, mileage of rural free delivery, and gross receipts, by States..	348
366. Money Orders Issued and Paid, by States.....	349

## 17.—TELEPHONE, TELEGRAPH, AND CABLE SYSTEMS

367. Telephone Systems: Equipment, traffic, employees, wages, revenue, and investment.....	351
368. Telephone Systems: Miles of wire and number of calls and telephones, by States.....	352
369. Telephone Systems: Financial statistics.....	353
370. American Telephone & Telegraph Co. and Associated Companies: Telephone stations and miles of wire.....	354
371. American Telephone & Telegraph Co. and Associated Companies: Summary of statistics.....	354
372. Telephone Systems: Reports to Interstate Commerce Commission.....	355
373. Wireless Telegraph Systems: Summary of statistics.....	355
374. Telegraph and Cable Systems: Reports to the Interstate Commerce Commission.....	356
375. Telegraph and Cable Systems: Financial statistics.....	356
376. Telegraph and Cable Systems: Equipment, traffic, employees, salaries, and wages.....	357
377. Western Union Telegraph Co.: Mileage of lines and wires, number of offices, and finances.....	357

## 18.—POWER—ELECTRIC AND OTHER. (See also Supplement to Price and Power Sections, p. XVI)

378. Central Electric Stations: Equipment, employees, output, and sales.....	359
379. Central Electric Stations: Statistics of commercial and municipal plants, by States.....	360
380. Central Electric Stations: Financial statistics.....	362
381. Electricity Produced and Consumption of Fuel by Public Utility Power Plants.....	362
382. Production of Electric Power by Public Utility Power Plants, by States.....	363
383. Retail Prices of Electricity for Household Use in Each of 35 Cities.....	364

## 19.—PUBLIC ROADS AND MOTOR VEHICLES

Table	Page
384. Rural Highways: Mileage as of December 31, 1926, and construction during 1924, 1925, and 1926, by States.....	365
385. State Highway Systems: Mileage as of December 31, 1926.....	365
386. State Highway Systems: Construction during 1925 and 1926, by States.....	367
387. Rural Highways: Expenditures under State departments, by States.....	368
388. Rural Highways: Total State and local expenditures, by States.....	369
389. Rural Highways: Funds available for State and local governments.....	370
390. Rural Highways: Distribution of expenditures, State and local governments, by States.....	371
391. Federal Aid Highways: Cost and mileage of projects completed, under construction, and approved for construction, by States.....	372
392. Production and Registration of Motor Vehicles: 1900 to 1927.....	373
393. Production of Open and Closed Cars: By price groups.....	373
394. Production of Motor Vehicles, by months.....	374
395. State Gasoline Taxes: Gross receipts and tax.....	374
396. Motor Vehicle Registration: By States.....	375
397. Registrations of and Revenues from Motor Vehicles: By States.....	376
398. World Registration of Automotive Vehicles.....	377
399. Automobile Fatalities: Number and death rate in registration States and cities.....	378

## 20.—STEAM AND ELECTRIC RAILWAYS AND EXPRESS COMPANIES

400. Railway Mileage Owned and Mileage Operated: By classes of track, 1890 to 1926.....	381
401. Railway Mileage Owned: By States.....	382
402. Railway Mileage Owned and Operated: Total, 1842 to 1926.....	383
403. Mileage Operated and Equipment: By districts.....	383
404. Railway Equipment in Service, All Reporting Companies.....	384
405. Classification of Railway Cars in Service.....	384
406. Freight-Car Performance and Equipment Condition: By months.....	385
407. Receiverships and Foreclosure Sales of Railways.....	385
408. Railway Employees: Number and compensation.....	385
409. Railway Employees: Number and compensation, by districts and classes.....	386
410. Capitalization of Railroads.....	388
411. Railway Stock Outstanding, Dividends, and Interest.....	388
412. Railway Securities Outstanding: By districts and classes of securities.....	389
413. Property Investment, Income, Interest, and Dividends: Operating railroads.....	389
414. Freight Traffic: Train and car movement.....	390
415. Freight Traffic: Tonnage and revenue.....	391
416. Revenue and Traffic Statistics: By years and months.....	392
417. Passenger Traffic: Passengers carried and passenger revenue.....	393
418. Revenue, Expenses, and Income of Operating Companies with Averages Per Mile of Line.....	394
419. Income Account: Totals, and by districts, — — — — —.....	395
420. Principal Railway Companies: Mileage, traffic, revenues, and expenses of each company.....	396
421. Taxes and Special Assessments on Railways: By States.....	398
422. Revenue Freight Carried: By commodity groups.....	399
423. Revenue Freight Carried: By principal commodities.....	400
424. Car Loadings: All commodities and commodity groups, by months.....	402
425. Steam Railway Accidents, by Causes.....	403
426. Persons Killed and Injured in Railway Accidents.....	404
427. Consumption of Fuel, and Replacements of Rails and Ties.....	404
428. Express Companies: Income account.....	405
429. The Pullman Co.: Abstract of operations.....	406
430. Alaskan Government Railroads: Passenger and freight service.....	406
431. Electric Railways: Summary of operations.....	406
432. Electric Railways: Mileage, equipment, output of electricity, traffic, employees, and wages.....	407
433. Electric Railways: Mileage and cars and busses operated, by States.....	408
434. Electric Railways: Financial statistics.....	409
435. Electric Railways: Mileage, traffic, revenue, and kilowatt hours generated, by States.....	410
436. Electric Railways: Mileage of elevated and subway and tunnel track, by States.....	412
437. Electric Railways: Receiverships.....	412

## 21.—WATERWAYS, WATER-BORNE COMMERCE, AND OCEAN SHIPPING

438. Water-Borne Commerce of the United States: Aggregates.....	413
439. Great Lakes: Commerce of the principal ports.....	413
440. Sault Ste. Marie Canals: General traffic statistics.....	414
441. Sault Ste. Marie Canals: Detailed traffic statistics.....	414
442. New York State Canals: Tonnage of freight moved.....	415

# CONTENTS

XI

Table	Page
443. Principal Commodities Carried on the Ohio River.....	416
444. Ohio River Traffic: Tonnage, ton-mileage, and value of freight.....	416
445. Lower Mississippi River Traffic: Freight and passengers.....	416
446. Merchant Marine: Number and tonnage of vessels, by class and utilization, 1789 to 1927, and by location, power, and material, 1900 to 1927.....	417
447. Merchant Marine: Number and tonnage of larger seagoing vessels, by classes and size.....	418
448. Shipbuilding: Number and tonnage of vessels built, 1797 to 1927.....	418
449. Shipbuilding: Number and tonnage of vessels built, by class and section where built.....	419
450. Merchant Vessels Launched: World total and leading countries.....	419
451. Merchant Marine of the World and Principal Foreign Countries.....	420
452. Vessels Controlled by Shipping Board Merchant Fleet Corporation.....	421
453. Shipping Board Vessels Sold.....	421
454. Shipping Board and Shipping Board Merchant Fleet Corporation: Net appropriations and allotments from inception to July 1, 1927.....	422
455. Shipping Board and Shipping Board Emergency Fleet Corporation: Statement of Profit and Loss, fiscal year 1926.....	422
456. Marine Wrecks and Casualties Occurring to Vessels of the United States.....	423
457. Lives Lost by Accident at Sea: By causes.....	424
458. United States Coast Guard: Abstract of work performed and expenditures.....	424
459. Panama Canal: Expenses and revenues.....	424
460. Commercial Traffic Through the Panama Canal: By nationality of vessel.....	425
461. Commercial Traffic Through the Panama Canal: Summary, by direction.....	425
462. Commercial Traffic Through the Panama Canal: By origin or destination.....	425
463. Tonnage of Water-Borne Commerce, including foreign and intercoastal traffic and commerce of noncontiguous territories.....	426
464. Tonnage of Water-Borne Imports and Exports: By United States coastal districts and flag of carrier vessel, and by months.....	427
465. Tonnage of Water-Borne Imports and Exports: By foreign trade regions, by flag of carrier vessels, and United States coastal districts.....	428
466. Tonnage of Water-Borne Imports and Exports: By individual countries.....	429
467. Tonnage of Water-Borne Imports and Exports: By States and ports.....	431
468. Tonnage of Water-Borne Imports and Exports: By major commodities and coastal districts....	433
469. Vessels Entered and Cleared: 1840 to 1927.....	434
470. Vessels Entered and Cleared: By customs districts and groups of ports.....	435
471. Vessels Entered at all Ports, Seaports, and Northern Border Ports: By classes.....	436
472. Vessels Cleared at all Ports, Seaports, and Northern Border Ports: By classes.....	437
473. Vessels Entered and Cleared at Seaports: By countries of origin and destination.....	438
474. Vessels Entered and Cleared at Seaports: By nationality of vessel.....	439
475. Exports (Domestic) and Imports of Merchandise: By method of carriage and nationality of vessel..	440
476. Exports and Imports of Merchandise: By method of carriage, 1830 to 1927.....	441
22.—FOREIGN COMMERCE	
477. Summary of Foreign Trade: 1911 to 1927.....	443
478. Merchandise Trade of Continental United States with Foreign Countries and with Outlying Territories and Possessions.....	444
479. Indexes of Changes in Quantity, Price, and Value of Imports and Domestic Exports.....	445
480. Exports and Imports of Gold and Silver: By months.....	445
481. Exports and Imports of Merchandise: By months.....	446
482. Exports and Imports of Merchandise with Trade Balances: 1790 to 1927.....	447
483. Exports and Imports of Gold, Silver, and Merchandise, Gold and Silver Combined, with Balances: 1821 to 1927.....	448
484. Supplement to Tables 482 and 483: Data for calendar years 1901 to 1915 and fiscal years 1916 to 1927.....	449
485. Merchandise Exports and Imports with Trade Balances: Individual years, 1790 to 1882.....	450
486. Per Capita Exports and Imports: 1790 to 1927.....	450
487. Imports Entered for Consumption and Duties Thereon: 1821 to 1927.....	451
488. Exports (Domestic) and Imports of Merchandise: By economic classes, 1821 to 1927.....	452
489. Imports, Free and Dutiable, and Per Cent Free: By economic classes, 1821 to 1927.....	454
490. Exports and Imports Distributed by Continents: 1821 to 1927.....	456
491. Percentage Distribution of Exports and Imports: By continents, 1821 to 1927.....	458
492. Percentage Distribution of Exports (Domestic) and Imports of Merchandise: By economic classes, 1821 to 1927.....	459
493. Foreign Trade with Each Continent: By economic classes.....	460
494. Per Cent Each Continent Furnishes of Total Trade in each Economic Class.....	461
495. Per Cent each Economic Class Forms of Total Trade with Each Continent.....	461
496. Exports and Imports of Merchandise: By continents, commercial regions, and countries.....	462
497. Free and Dutiable Imports by Countries.....	463

Table	Page
498. Exports and Imports of Merchandise and Duties: By customs districts.....	469
499. Exports and Imports of Merchandise: By groups of customs districts, 1860 to 1927.....	470
500. Exports and Imports of Merchandise: By principal customs districts, 1860 to 1927.....	471
501. Principal Domestic Commodities Exported: 1821 to 1927.....	474
502. Imports of Principal Commodities: 1821 to 1927.....	476
503. Exports and Imports by Groups and Subgroups.....	478
504. Exports of Domestic Merchandise: By commodity groups and articles.....	480
505. Imports of Merchandise: By commodity groups and articles.....	519
506. In Transit and Transshipment Trade of the United States: By continents and principal countries.....	553
507. Customs Districts through Which In Transit and Transshipment Trade is Shipped.....	553
508. Reexports of Foreign Merchandise: By commodity groups, 1922 to 1927, and by principal articles, 1927.....	554
509. Imported Dutiable Merchandise Entered for Consumption: Total values, duties collected, and average rate of duty, by tariff schedules.....	555
<b>23.—COMMERCE OF NONCONTIGUOUS TERRITORY</b>	
510. Imports and Exports of Merchandise into and from Alaska: Total values.....	559
511. Imports and Exports of Merchandise into and from Porto Rico: Total values.....	560
512. Imports and Exports of Merchandise into and from Hawaii: Total values.....	560
513. Imports and Exports of Merchandise into and from the Philippine Islands: Total values.....	561
514. Imports and Exports of Merchandise into and from American Samoa: Total values.....	561
515. Imports and Exports of Merchandise into and from the Virgin Islands: Total values.....	562
516. Imports and Exports of Merchandise into and from Guam: Total values.....	562
517. Shipments of Principal Products to the United States from Alaska, Hawaii, Porto Rico, and the Philippine Islands: Quantities and values.....	563
518. Shipments of Principal Articles from the United States to Alaska, Hawaii, Porto Rico, and the Philippine Islands.....	564
<b>24.—IRRIGATION AND DRAINAGE</b>	
519. Government Irrigation Projects: Consolidated financial statement.....	567
520. Government Irrigation Projects: Construction cost, other cost reimbursable with construction, and amount to be repaid by water users.....	568
521. Government Irrigation Projects: Operation and maintenance cost and returns during 1926.....	568
522. Government Irrigation Projects: Operation and maintenance cost and returns to June 30, 1927.....	569
523. Government Irrigation Projects: Voucher transactions, all funds, and net investment.....	570
524. Government Irrigation: Acreage and value of crops, by projects.....	571
525. Government Irrigation: Acreage and value of crops, 1915 to 1927.....	572
526. Crops on Irrigated Land: Acreage, production, and value of specified crops.....	572
527. Government Irrigation: Summary of construction work.....	573
528. Irrigation—All Projects: Summary for the United States.....	573
529. Irrigation—All Projects: Area and capital invested, by character of enterprise.....	574
530. Irrigation—All Projects: Area and capital invested, by drainage basins.....	574
531. Irrigation: Area, capital invested, final cost, and cost of operation and maintenance, by States..	575
532. Irrigation: Acreage, yield, and value of crops grown on irrigated lands.....	576
533. Irrigation: Acreage and value of crops grown on irrigated lands, by States.....	577
534. Drainage of Farm Lands and Drainage Enterprises in the United States.....	577
535. Drainage Enterprises: Land in enterprises and capital invested, by character of organization...	578
536. Drainage Enterprises: Land in enterprises, capital invested, and cost per acre, by date of organization.....	578
537. Drainage of Farm Lands and Drainage Enterprises: By States.....	579
<b>25.—FARMS—GENERAL STATISTICS</b>	
538. Population, Farms, and Farm Property: 1850, and 1880 to 1925.....	581
539. Farm Population and Total Population: By States.....	582
540. Classification of Farm Lands: By States.....	583
541. Number and Total and Improved Acreage of Farms, With Averages and Percentages: By States.....	584
542. Value of Farm Property: By classes and by States.....	586
543. Average Values per Farm and per Acre: By States.....	588
544. Number of Farms by Size: Totals, 1900 to 1925, and by States, 1925.....	589
545. Number of Farms: By size of farm, and by tenure and color of farmer.....	590
546. Acreage of Farm Land: By size of farm and by tenure and color of farmer.....	591
547. Number of Farms by Tenure: By States.....	592
548. Percentage of Farms and Farm Land Operated by Tenants: By States.....	593
549. Farm Acreage, Total and Improved, by Tenure: By States.....	594
550. Farms by Color and Tenure of Farmers: The South, by States.....	595

Table	Page
551. Farms by Color and Tenure of Farmers: Number and acreage, by geographic divisions and regions, 1925.....	595
552. Farms, by Color and Nativity of Farmer: Number and acreage, by States.....	596
553. Farms, by Color, Nativity, and Tenure of Farmer: Number and acreage, by geographic divisions and regions, 1910 and 1920.....	597
554. Mortgage Status of Farms: 1890 to 1925.....	597
555. Mortgage Status of Farms: By States.....	598
556. Mortgage Debt of Farms: By States.....	599
557. Farm Expenditures for Labor, Fertilizer, and Feed: By States.....	600
558. Farms Reporting Motor Vehicles, Telephones, Water, and Light: By States.....	602
559. Farms Reporting Tractors and Radios: By States.....	603
<b>26.—FARM PRODUCTS—VALUE, PRICES, AND FOREIGN TRADE</b>	
560. Estimated Total Value of Farm Products: 1897 to 1926.....	605
561. Estimated Value of Farm Products: By principal classes.....	605
562. Index Numbers of Farm and Wholesale Prices of Agricultural Products: By groups.....	606
563. Index Numbers of Prices of Agricultural and Other Products.....	606
564. Average Farm Wage Rates and Index Numbers of Farm Wages.....	607
565. Foreign Trade in Agricultural and Forest Products: 1852 to 1927.....	608
566. Agricultural Exports: Value by major groups, 1910 to 1927.....	608
567. Agricultural Exports: Value by principal products or groups, 1910 to 1927.....	609
568. Agricultural Export Indexes: Ratio of quantity, price, and value.....	609
<b>27.—FARM ANIMALS AND ANIMAL PRODUCTS</b>	
569. Domestic Animals: Number and value of animals on farms, 1880 to 1928.....	611
570. Domestic Animals: Number on farms and not on farms, and value of those on farms.....	611
571. Domestic Animals: Number on farms, by States.....	612
572. Domestic Animals on Farms: By age and sex.....	614
573. Domestic Animals on Farms: Number, averages, and ratios.....	614
574. Domestic Animals: Receipts and shipments, principal markets and all markets.....	615
575. Domestic Animals: Receipts and shipments at nine principal markets combined.....	616
576. Domestic Animals: Receipts and stocker and feeder shipments at all public markets.....	616
577. Domestic Animals: Receipts at four principal markets, by months.....	616
578. Domestic Animals: Average farm price and average Chicago market price.....	617
579. Domestic Animals: Monthly average prices of typical grades at Chicago.....	617
580. Wholesale Prices of Meats and Animal Products (actual and index numbers).....	618
581. Average Farm Prices of Animals and Animal Products.....	618
582. Meats: Production, exports, imports, and estimated consumption, and number of animals slaughtered under Federal inspection.....	619
583. Livestock Products of Farms: Summary of census statistics.....	620
584. Cheese: Census statistics of production in the United States, and in leading States.....	620
585. Milk Produced and Sold, and Butter Made: Census statistics, by States.....	621
586. Manufactured Dairy Products: Production by detailed classes.....	622
587. Milk: Production and uses (estimates).....	622
588. Butter and Cheese: Production, receipts at leading markets, and cold-storage holdings.....	623
589. Butter and Cheese Prices: Farm and wholesale, by years and months.....	623
590. Oleomargarine: Production, total and by States, and materials used.....	624
591. Poultry on Farms: Number and value.....	624
592. Chickens on Farms and Chickens Raised and Eggs Produced: By States.....	625
593. Poultry: Farm prices and receipts at principal markets, by years and months.....	626
594. Eggs: Farm prices, prices and receipts at principal markets, and cold-storage holdings.....	626
595. Cold-storage Holdings of Animal Products and Frozen Fish: By months.....	627
596. Wool: Prices, import values, and receipts at Boston.....	628
597. Wool: Production, imports and exports, 1839 to 1927.....	628
598. Wool: Production by States.....	629
599. Wool Consumed in Manufactures: By classes.....	629
600. Animal Food Manufacturing Industries: Materials used and products.....	630
<b>28.—FARM CROPS AND FOODSTUFFS</b>	
601. Index Numbers of Mass of Crop Production: 1890 to 1927.....	631
602. Index Numbers of All Crop Yields: By geographic divisions, 1911 to 1927.....	631
603. Average Value Per Acre of 10 Leading Crops Combined: 1896 to 1927.....	631
604. Production of Principal Commodities: 1800 to 1927.....	632
605. Crop Values: Comparative statement showing change in value of crops between 1919 and 1924, resulting (1) from change in production and (2) from lower prices.....	633
606. Acreage, Production, and Value of Individual Crops: Census returns, 1899 to 1924.....	634
607. Percentage of Improved Land and of Total Crop Acreage Occupied by Principal Crops.....	636



Table	Page
608. Truck Crops: Commercial acreage and production.....	636
609. Aggregate Value of Farm Crops: By States.....	637
610. Cotton and Cottonseed: Area, production, and farm value, by States.....	638
611. Fertilizer sold, by States.....	641
612. Corn: Area, production, and farm value, by States.....	642
613. Wheat: Area, production, and farm value, by States.....	644
614. Oats: Area, production, and farm value, by States.....	646
615. Barley: Area, production, and farm value, by States.....	648
616. Rye and Rice: Area, production, and farm value, by States.....	650
617. Potatoes: Area, production, and farm value, by States.....	652
618. Sweet Potatoes and Tobacco: Area, production, and farm value, by States.....	654
619. Tame Hay: Area, production, and farm value, by States.....	656
620. Wild Hay: Area, production, and farm value, by States.....	657
621. Acreage, Production, and Value of Principal Crops: 1866 to 1927.....	658
622. Minor Crops: Area, production, and farm value for principal producing States.....	663
623. Orchard Crops: Production, total and in leading States.....	664
624. Orchard Crops (apples, peaches, pears): Production, 1891 to 1927.....	665
625. Orchard Crops (apples, peaches, pears): Farm prices per bushel, by States.....	665
626. Sugar: Production of the United States and certain outlying areas, and of the world.....	666
627. Sugar: Production of United States, trade, and apparent consumption.....	666
628. Sugar: Per Cent of World Production retained for consumption and the sources.....	667
629. Sugar: Wholesale prices of raw and refined.....	667
630. Sugar Beets and Beet Sugar: Production, totals and by States.....	668
631. Louisiana Sugar Cane, Cane Sugar, and Molasses.....	669
632. Hawaiian Cane and Cane Sugar.....	669
633. Maple Sugar and Sirup: Production, totals and by States.....	670
634. Sugar Cane and Sirup in Southern States: Production, totals and by States.....	670
635. Cottonseed and Cottonseed Products: Production, value, and exports.....	671
636. Cotton: Production, consumption, exports, imports, and prices.....	672
637. Cotton Exports to Principal Countries: 1866 to 1927.....	673
638. Coffee: Imports, reexports, net imports per capita, and average import price per pound.....	673
639. Tea: Net Imports and Per Capita Imports.....	674
640. Imports of Cocoa and Chocolate.....	674
641. Imports of Silk and Imports and Exports of Silk Manufactures.....	674
642. Crude Rubber: World production, United States imports, exports, consumption, and prices....	675
643. Wheat: Acreage and Production.....	675
644. Wheat: Supply and distribution and disappearance for food, etc.....	676
645. Visible Supply of Grain (wheat, corn, oats): By months.....	676
646. Exports (Domestic) and Total Imports of Wheat, Corn, Rice, Tobacco, and Flaxseed.....	677
647. Yearly Weighted Average Farm Prices of Specified Crops: By crop years.....	678
648. Grain Prices: Weighted average market price per bushel of reported cash sales.....	679
649. Grain Receipts at Six Atlantic Seaboard Ports.....	679
650. Grain Receipts (wheat, corn, oats) at Primary Markets: By crop years.....	680
651. Wheat Freight Rates: Chicago to New York.....	680
652. Wheat Freight Rates: Buffalo to New York.....	681
653. Freight Rates (grain, flour, provisions): Chicago to European ports.....	681
654. Food Manufacturing Industries: Materials used and products.....	682

## 29.—FORESTS AND FOREST PRODUCTS

655. Forests: Original and present area, and stand of saw timber and annual growth.....	685
656. Stand of Saw Timber (estimated): By species and regions.....	686
657. National Government Forests: Area and amount of standing timber of forests, in each State....	686
658. National Government Forests: Area of each forest.....	687
659. Forest Lands Acquired or Approved for Purchase under Weeks Law: By States.....	688
660. National Government Forests: Statistics of operations.....	688
661. Lumber Production: Total, 1869 to 1926, and by species, 1899 to 1926.....	689
662. Lumber Production: By regions and States.....	690
663. Estimated Quantity of Timber Removed Annually from Forests.....	691
664. Lumber: Composite prices, by months.....	691
665. Lumber: Average mill value, by species.....	692
666. Veneers: Timber consumed in manufacturing, by States and by kinds of wood.....	693
667. Lath and Shingles: Production, totals and by States.....	693
668. Cooperage Stock: Production, by States and kind of wood.....	693
669. Pulpwood: Consumption by mills and mill cost.....	694
670. Wood Pulp Production: Totals, and by States and processes.....	694
671. Paper and Wood Pulp: Census statistics of production.....	695
672. Turpentine and Rosin Production: Totals, and by States.....	695



30. FISHERIES

	Page
Quantity and Value of the Products of the Fisheries of Specified Sections.....	697
Summary of the Fisheries of the United States and Alaska.....	700
Fishery Products Landed at Seattle, Wash., by American Vessels.....	700
Fishery Products Landed at Boston and Gloucester, Mass., and Portland, Me.....	701
Processed Fishery Products of the United States and Alaska.....	702
Processed Salmon Output, United States and Alaska.....	702
Processed Salmon: Output and prices of Alaska product, by species.....	703
Alaska Fisheries: Quantity and value of products.....	708
Propagation: Output of fish eggs, fry and fingerlings, by Bureau of Fisheries.....	704

31. MINING AND MINERAL PRODUCTS

Total Value of Mineral Products of the United States: 1881 to 1927.....	705
Range Prices of Principal Nonferrous Metals.....	705
Mines and Quarries, Producing and Nonproducing: Census Statistics.....	706
Including Mines and Quarries: Census Statistics.....	706
Number of Producing Establishments, Mines and Quarries: All industries and principal industries.....	707
Number of Labor in Mines and Quarries.....	707
Including Mines and Quarries: Census statistics, by industries.....	708
Including Mines and Quarries: Census statistics, by States.....	709
Principal Mineral Products: Quantities and values.....	710
General Production by States.....	712
Iron Ore: Production, shipments, exports, and imports.....	714
Steel Furnaces, Steel Works, and Rolling Mills: Census statistics.....	714
Iron: Production, 1810 to 1901.....	714
Production, Exports and Imports of Pig Iron, and Production of Steel Ingots and Castings.....	715
Analysis of Pig Iron and Ferro-alloy Production: By States, disposition, kinds, etc.....	715
Steel Ingots and Castings: Production, by grades.....	716
Processed and Miscellaneous Steel Products: Production.....	716
Iron and Steel: Production, exports and imports of finished rolled products.....	717
Iron and Steel: Census statistics of products.....	718
Regulate Domestic Exports of Heavy Iron and Steel.....	719
Iron and Steel: Exports by specified classes.....	720
Iron and Steel: Exports, by destination.....	720
Iron and Steel: Average annual prices.....	721
Aluminum and Bauxite: Production, exports and imports.....	721
Aluminum: Production, exports, imports, and consumption.....	722
Aluminum: State of origin of ore smelted.....	722
Aluminum: Smelter output from domestic ores, 1850 to 1927.....	723
Aluminum: Exports and imports.....	723
Lead: Production and value.....	724
Production of Primary Lead Smelted or Refined in the United States.....	724
Lead: Supply and distribution of refined primary lead.....	725
Manufactures of Nonferrous Metals and Alloys.....	725
Production, exports, stocks, and consumption.....	726
Alter Production of Primary Zinc from Domestic Ore.....	726
Copper and Silver: Production, totals, 1792 to 1927, and by States, 1910 to 1927.....	727
Copper and Silver for Use in Manufactures and the Arts.....	728
Copper: Price, ratio to gold, and value of silver in the dollar, 1835 to 1926.....	728
Coal: Anthracite and bituminous, total production, 1821 to 1927, and by States, 1880 to 1927.....	729
Coal: Exports and imports and bunker coal laden on vessels, 1891 to 1927.....	730
Coal: Shipments, coke made, value per ton, men employed, days worked, etc.....	730
Coal or Strikes in Coal Mines: By States.....	731
Coal: Average and relative retail prices.....	731
Coal: Retail price for household use in selected cities.....	732
Gas: Production, exports, and imports.....	733
Gas: Production, by States.....	733
Manufactured Gas Industry: Materials used and products.....	734
Range Net Price of Manufactured Gas.....	734
Production, Purchase, and Sale of Gas.....	734
Wholesale Price of Gas in Principal Cities.....	735
Natural Gas and Natural Gas Gasoline: Production, totals and by States.....	736
Natural Gas: Production, exports, and imports.....	736
Petroleum: Production of crude.....	737
Petroleum: Production, Exports, Imports, and Bunker Oil.....	737
Petroleum: United States production, by regions and States, and world production.....	738

## Table

P

736. Petroleum: Stocks of crude and refined oils.....	
737. Petroleum: Supply and demand of crude and refined oils.....	
738. Petroleum Refining: Materials used and products.....	
739. Petroleum Products: Oils run to stills, output, stocks, exports, and consumption.....	
740. Petroleum Products: Crude oil run to stills, and output of refineries, by regions.....	
741. Petroleum Pipe Lines: Mileage and financial statistics.....	
742. Petroleum: Prices of crude and refined products.....	
743. Portland Cement: Production by States, shipments, stocks, exports, and imports.....	
744. Portland Cement: Shipments to each State.....	
745. Cement Production: Quantity, by kinds, and total value.....	
746. Stone: Production, by varieties and uses.....	
747. Clay and Glass Products: Production by industries.....	
748. Production of Principal Burned-Clay Building Materials.....	
749. Salt: Total production, and by States and kinds.....	
750. Accidents in Mineral Industries.....	
751. Accidents in Mines, Quarries, Coke Ovens, and Ore-Treating Plants: By causes.....	
752. Accidents in Mines, Quarries, Metallurgical Works, and Coke Ovens.....	

## 32. MANUFACTURES

753. Manufactures: Summary, 1849 to 1925.....	
754. Manufactures: Size of establishment as measured by value of products.....	
755. Manufactures: Prime movers, motors, and generators, number and capacity.....	
756. Manufactures: Summary by 16 general industrial groups.....	
757. Manufactures: Summary for individual industries.....	
758. Manufactures in Cities Having 100,000 or More Inhabitants.....	
759. Manufactures: Summary for all industries combined, by States.....	
760. Indexes of Production of Manufacturing and Mining Industry: By years and months.....	
761. Manufacturing Production: Indexes for groups of industries.....	
762. Textile Manufactures: Census statistics of production.....	
763. Leather: Production by principal kinds.....	
764. Boots and Shoes: Production.....	
765. Rubber Manufacturing Industry: Census statistics of products.....	
766. Printing and Publishing: Census statistics of products.....	
767. Chemicals: Census statistics of products made for sale.....	
768. Natural Dyestuffs and Tanning Materials: Census statistics of production.....	
769. Bone Black, Carbon Black, and Lampblack; Fertilizers; Manufactured Ice; Paints and Varnish; Soap: Census statistics of production.....	
770. Engines, Water Turbines, and Locomotives: Census statistics of production.....	
771. Machinery: Value of the principal classes of machines manufactured.....	
772. Metal-working Machinery: Census statistics of production.....	
773. Electrical Machinery, Apparatus, and Supplies: Census statistics of production.....	
774. Farm Equipment: Census statistics of production.....	
775. Musical Instruments and Phonographs: Census statistics of production.....	
776. Vehicles and Aircraft: Census statistics of production.....	
777. Cotton Spindles and Cotton Consumption, 1840 to 1927, and Stocks, 1906 to 1927.....	
778. Cotton Spindle Hours and Cotton Consumption: By years and months.....	
779. Cotton Spindle Activity and Cotton Consumption: By sections and States.....	
780. Explosives: Amounts manufactured and sold and purposes for which used.....	
781. Explosives: Amounts manufactured in the United States and sold in each State.....	
782. Fermented Liquors and Distilled Spirits: Production by kinds.....	
783. Denatured Alcohol: Production and ethyl alcohol withdrawn for denaturation.....	
784. Leaf Tobacco: Amounts consumed in manufacture.....	
785. Manufactured Tobacco: Production, total 1901 to 1927, and by States, 1926.....	
786. Consumption of Tobacco in the United States.....	
787. Building Operations in Principal Cities: Permits issued and proposed cost.....	
788. Building Permits Issued: Number and proposed cost, by class of building.....	
789. Building Material Prices and Construction Costs.....	
790. Building Contracts Awarded: Number, value of construction contracted, and space covered.....	
791. Patents and Certificates of Registration Issued.....	

## SUPPLEMENT TO PRICE AND POWER SECTIONS

792. Wholesale Prices by Commodity Groups: Revised index numbers, by months, 1913 to 1924..	
793. Wholesale Prices of Raw materials, Semimanufactured Articles, and Finished Products: Index numbers.....	
794. Developed and Potential Water Power in the United States.....	
795. Annual Supply of Energy from Mineral Fuels and Water Power.....	

# STATISTICAL ABSTRACT OF THE UNITED STATES

## 1.—AREA AND POPULATION

### No. 1.—TERRITORIAL EXPANSION OF THE UNITED STATES

NOTE.—Gross areas, including land and water, but not water surface of oceans, Gulf of Mexico, and Great Lakes. Recent revisions in these figures are due to more accurate maps.

Accession	Date	Gross area, square miles	Accession	Date	Gross area, square miles
Aggregate (1930).....		3, 733, 393	Outlying territories and possessions		711, 894
Continental United States.....		3, 021, 789	Alaska Territory.....	1867	580, 400
Territory in 1790 <sup>1</sup> .....		892, 135	Hawaii Territory.....	1898	6, 406
Louisiana Purchase.....	1803	827, 967	Philippine Islands.....	1899	114, 400
Florida.....	1819	58, 666	Port Rico (unincorporated territory).....	1899	3, 435
By treaty with Spain.....	1819	13, 435	Guam.....	1899	205
Texas.....	1845	390, 166	American Samoa.....	1900	75
Oregon.....	1846	285, 541	Panama Canal Zone.....	1904	540
Mexican Cession.....	1848	529, 189	Virgin Islands of the U. S. ....	1917	139
Gadsden Purchase.....	1853	29, 670			

<sup>1</sup> Includes drainage basin of Red River of the North, not a part of any accession, but in the past sometimes considered a part of the Louisiana Purchase.

Source: Bureau of the Census, Department of Commerce.

### No. 2.—DATES OF ORGANIZATION OF STATES AND TERRITORIES

State	Date of organization		State	Date of organization	
	Territory	State		Territory	State
ORIGINAL STATES, 1789			STATES WITH PREVIOUS TERRITORIAL ORGANIZATION—contd.		
New Hampshire.....			Illinois.....	1809	<sup>a</sup> 1818
Massachusetts.....			Alabama.....	1817	<sup>a</sup> 1819
Rhode Island.....			Missouri.....	1812	1821
Connecticut.....			Arkansas.....	1819	1836
New York.....			Michigan.....	1805	1837
New Jersey.....			Florida.....	1822	1845
Pennsylvania.....			Iowa.....	1838	1846
Delaware.....			Wisconsin.....	1836	1848
Maryland.....			California.....	<sup>b</sup> 1847	1850
Virginia.....			Minnesota.....	1849	1858
North Carolina.....			Oregon.....	1848	1859
South Carolina.....			Kansas.....	1854	1861
Georgia.....			Nevada.....	1861	1864
STATES ADMITTED WITHOUT PREVIOUS TERRITORIAL ORGANIZATION <sup>1</sup>			Nebraska.....	1854	1867
Vermont.....		1791	Colorado.....	1861	1876
Kentucky.....		1792	North Dakota.....	<sup>c</sup> 1861	1889
Maine.....		1820	South Dakota.....	<sup>d</sup> 1861	1889
Texas.....		<sup>e</sup> 1845	Montana.....	1864	1889
West Virginia.....		1863	Washington.....	1853	1889
STATES WITH PREVIOUS TERRITORIAL ORGANIZATION			Idaho.....	1863	1890
Tennessee.....	<sup>f</sup> 1790	1796	Wyoming.....	1868	1890
Ohio.....	<sup>f</sup> 1787	1803	Utah.....	1850	1896
Louisiana.....	1804	1812	Oklahoma.....	1890	1907
Indiana.....	1800	<sup>g</sup> 1816	New Mexico.....	1850	1912
Mississippi.....	1796	<sup>g</sup> 1817	Arizona.....	1863	1912
			TERRITORIES, ETC.		
			District of Columbia.....	1790	<sup>h</sup> 1791
			Alaska.....	1912	
			Hawaii.....	1900	

<sup>1</sup> Vermont and Texas had been independent republics; Maine had been under jurisdiction of Massachusetts; Kentucky and West Virginia were set off from Virginia.

<sup>2</sup> Joint resolution of Congress.

<sup>3</sup> "Territory of the United States, south of the river Ohio," ceded from North Carolina, containing more territory than the present State of Tennessee.

<sup>4</sup> "Territory northwest of the Ohio River," containing more territory than the present State of Ohio.

<sup>5</sup> "Military territory," containing more territory than the present State of California.

<sup>6</sup> Dakota Territory.

<sup>7</sup> Federal area, under supervision of Congress.

Source: Bureau of the Census, Department of Commerce.

## No. 3.—AREA: GEOGRAPHIC DIVISIONS AND STATES, 1920

Division and State	Area (square miles)			Division and State	Area (square miles)		
	Land	Water	Total		Land	Water	Total
Continental United States	3,973,774	153,015	4,126,789	South Atlantic—Con.			
New England	61,978	4,448	66,426	Dist. of Columbia	60	10	70
Maine	29,895	3,145	33,040	Virginia	40,262	2,365	42,627
New Hampshire	9,031	310	9,341	West Virginia	24,022	149	24,170
Vermont	9,124	440	9,564	North Carolina	48,740	3,686	52,426
Massachusetts	8,039	227	8,266	South Carolina	30,495	494	30,989
Rhode Island	1,057	181	1,238	Georgia	58,725	540	59,265
Connecticut	4,820	145	4,965	Florida	54,861	3,805	58,666
Middle Atlantic	100,000	2,584	102,584	East South Central	179,508	1,974	181,482
New York	47,654	1,550	49,204	Kentucky	40,181	417	40,598
New Jersey	7,514	710	8,224	Tennessee	41,687	335	42,022
Pennsylvania	44,832	294	45,126	Alabama	51,279	719	51,998
East North Central	945,564	2,541	948,105	Mississippi	46,362	503	46,865
Ohio	40,740	300	41,040	West South Central	439,746	8,048	437,794
Indiana	36,045	309	36,354	Arkansas	52,525	810	53,335
Illinois	56,043	622	56,665	Louisiana	45,409	2,097	48,506
Michigan	57,480	500	57,980	Oklahoma	69,414	643	70,057
Wisconsin	55,256	810	56,066	Texas	262,396	3,498	265,894
West North Central	810,804	7,878	818,682	Mountain	669,006	6,008	665,017
Minnesota	80,858	3,824	84,682	Montana	146,131	866	146,997
Iowa	56,586	561	57,147	Idaho	83,354	534	83,888
Missouri	69,727	693	70,420	Wyoming	97,548	356	97,904
North Dakota	70,183	654	70,837	Colorado	103,658	290	103,948
South Dakota	76,868	747	77,615	New Mexico	122,503	131	122,634
Nebraska	76,808	712	77,520	Arizona	113,810	146	113,956
Kansas	81,774	384	82,158	Utah	82,184	2,806	84,990
South Atlantic	269,071	13,838	282,910	Nevada	106,821	869	110,690
Delaware	1,965	405	2,370	Pacific	318,085	6,028	324,113
Maryland	9,941	2,386	12,327	Washington	66,836	2,291	69,127
				Oregon	95,607	1,092	96,699
				California	155,652	2,645	158,297

<sup>1</sup> Does not include the water surface of the oceans, the Gulf of Mexico, or the Great Lakes, the Strait of Juan de Fuca, and the Gulf of Georgia, lying within the jurisdiction of the United States.

<sup>2</sup> Exclusive of Great Lakes.

<sup>3</sup> Exclusive of water area of the Strait of Juan de Fuca and the Gulf of Georgia.

Source: Bureau of the Census; Department of Commerce.

## No. 4.—AREA AND POPULATION: CONTINENTAL UNITED STATES, 1790 TO 1920

[NOTE.—The enumeration of 1870 was incomplete in the Southern States. The last column shows the estimated rate of increase corrected for 1870 and 1880.]

Census year	Area (square miles)			Population				
	Gross	Land	Water	Number	Per square mile <sup>1</sup>	Increase over preceding census		
						Number	Per cent	Corrected per cent, estimated
1790	692,135	867,980	24,155	3,929,214	4.5			
1800	692,135	867,980	24,155	5,308,483	6.1	1,379,269	35.1	
1810	1,720,122	1,685,865	34,257	7,239,881	4.3	1,931,398	36.4	
1820	1,792,223	1,753,588	38,635	9,638,453	5.5	2,398,572	33.1	
1830	1,792,223	1,753,588	38,635	12,866,020	7.3	3,227,567	33.5	
1840	1,792,223	1,753,588	38,635	17,069,453	9.7	4,203,433	32.7	
1850	2,997,110	2,944,337	52,782	23,191,876	7.9	6,122,423	35.9	
1860	3,026,780	2,973,955	52,824	31,443,321	10.6	8,251,445	35.6	
1870	3,026,780	2,973,955	52,824	38,558,371	13.0	7,115,050	22.6	25.6
1880	3,026,780	2,973,955	52,824	50,155,783	16.9	11,597,412	30.1	26.0
1890	3,026,780	2,973,955	52,824	62,947,714	21.2	12,791,931	25.5	
1900	3,026,780	2,974,159	52,630	75,994,575	25.6	13,046,861	20.7	
1910	3,026,780	2,973,890	52,890	91,972,268	30.9	15,977,691	21.0	
1920	3,026,780	2,973,774	53,015	105,710,620	35.5	13,738,354	14.9	
1928 <sup>2</sup>	3,026,780	2,973,774	53,015	120,013,000	40.4	14,302,000	13.5	

<sup>1</sup> Based on land area.

<sup>2</sup> Population estimated as of July 1.

Source: Bureau of the Census; Department of Commerce.

**No. 5.—POPULATION: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS, 1910 AND 1920**

[NOTE.—These data represent actual enumerations, not estimates, as in Table 6. For several of the outlying possessions they relate to dates other than 1910 and 1920, as indicated by footnotes. The census of Continental United States was as of date Apr. 15 in 1910 and Jan. 1 in 1920]

Area	Gross area (land and water) in square miles <sup>1</sup>	Population	
		1910	1920
United States, with outlying territories and possessions.....	3, 738, 393	101, 146, 530	117, 823, 165
Continental United States.....	3, 026, 789	91, 972, 266	105, 710, 620
Outlying territories and possessions.....	711, 604	9, 174, 264	12, 112, 545
Alaska Territory.....	586, 400	64, 356	55, 036
American Samoa.....	75	<sup>2</sup> 7, 251	8, 056
Guam.....	206	11, 806	13, 275
Hawaii Territory.....	6, 406	191, 909	255, 912
Panama Canal Zone.....	549	<sup>3</sup> 62, 810	22, 858
Porto Rico (unincorporated territory).....	3, 435	1, 118, 012	1, 299, 809
Military and naval, etc., services abroad.....		55, 608	117, 238
Philippine Islands.....	114, 400	<sup>4</sup> 7, 635, 426	<sup>4</sup> 10, 314, 310
Virgin Islands of the United States.....	133	<sup>5</sup> 27, 086	<sup>5</sup> 26, 051
Total Continental United States and incorporated territories (Alaska and Hawaii).....	3, 619, 595	92, 228, 531	106, 021, 568
Total Statistical Customs Area—Continental United States, Alaska, Hawaii, and Porto Rico.....	3, 623, 030	93, 346, 543	107, 321, 377

<sup>1</sup> See headnote Table 1.

<sup>2</sup> Population in 1912.

<sup>3</sup> Population in 1903.

<sup>4</sup> Population Dec. 31, 1918.

<sup>5</sup> Population in 1911.

<sup>6</sup> Population Nov. 1, 1917.

**No. 6.—POPULATION: ANNUAL MIDYEAR ESTIMATES FOR CONTINENTAL UNITED STATES, AND CERTAIN OUTLYING TERRITORIES AND POSSESSIONS**

[NOTE.—For estimated population by States, see Table 11]

Year	Popula- tion, con- tinental United States	Year	Popula- tion, con- tinental United States	Year	Population				
					Continental United States	Hawaii	Porto Rico	Philippine Islands	Panama Canal Zone
1850...	23, 260, 638	1877...	46, 773, 203	1903...	80, 983, 390	165, 836	1, 010, 724	7, 691, 824	-----
1852...	24, 910, 926	1878...	47, 932, 945	1904...	82, 601, 384	169, 675	1, 026, 521	7, 861, 016	-----
1853...	25, 736, 070	1879...	49, 092, 687	1905...	84, 219, 378	173, 514	1, 042, 318	8, 030, 208	-----
1854...	26, 561, 214	1880...	50, 262, 382	1906...	85, 837, 372	177, 353	1, 058, 115	8, 199, 400	-----
1855...	27, 386, 359	1881...	51, 541, 575	1907...	87, 445, 366	181, 192	1, 073, 912	8, 368, 592	-----
1856...	28, 211, 504	1882...	52, 820, 768	1908...	89, 073, 360	185, 031	1, 089, 709	8, 537, 784	-----
1857...	29, 036, 649	1883...	54, 099, 961	1909...	90, 691, 354	188, 870	1, 105, 506	8, 706, 977	-----
1858...	29, 861, 794	1884...	55, 379, 154	1910...	92, 267, 080	193, 282	1, 121, 913	8, 876, 170	-----
1859...	30, 686, 939	1885...	56, 658, 347	1911...	93, 682, 189	199, 874	1, 140, 638	9, 045, 363	-----
1860...	31, 502, 613	1886...	57, 937, 540	1912...	95, 097, 298	206, 466	1, 159, 364	9, 214, 556	<sup>1</sup> 61, 279
1861...	32, 214, 118	1887...	59, 216, 733	1913...	96, 512, 407	213, 058	1, 178, 090	9, 383, 749	<sup>1</sup> 57, 400
1862...	32, 925, 623	1888...	60, 495, 927	1914...	97, 927, 516	219, 650	1, 196, 816	9, 552, 942	<sup>2</sup> 37, 706
1863...	33, 637, 128	1889...	61, 775, 121	1915...	99, 342, 625	226, 243	1, 215, 542	9, 722, 135	<sup>2</sup> 31, 160
1864...	34, 348, 633	1890...	63, 056, 438	1916...	100, 757, 735	232, 836	1, 234, 268	9, 891, 328	<sup>2</sup> 31, 048
1865...	35, 060, 138	1891...	64, 361, 124	1917...	102, 172, 845	239, 429	1, 252, 994	10, 060, 521	<sup>2</sup> 23, 295
1866...	35, 771, 643	1892...	65, 665, 810	1918...	103, 587, 955	246, 022	1, 271, 720	10, 229, 714	<sup>2</sup> 21, 707
1867...	36, 483, 148	1893...	66, 970, 496	1919...	105, 003, 065	252, 615	1, 290, 446	10, 398, 906	<sup>2</sup> 21, 759
1868...	37, 194, 653	1894...	68, 275, 182	1920...	106, 421, 621	259, 208	1, 309, 172	10, 568, 098	<sup>2</sup> 21, 650
1869...	37, 906, 158	1895...	69, 579, 868	1921...	108, 444, 777	265, 800	1, 327, 897	10, 737, 290	<sup>2</sup> 23, 757
1870...	38, 655, 016	1896...	70, 884, 554	1922...	109, 893, 003	272, 392	1, 346, 623	10, 906, 482	<sup>2</sup> 23, 671
1871...	39, 814, 757	1897...	72, 189, 240	1923...	111, 693, 474	278, 984	1, 365, 349	11, 075, 674	<sup>2</sup> 23, 671
1872...	40, 974, 498	1898...	73, 493, 326	1924...	113, 727, 432	285, 576	1, 384, 075	11, 244, 867	<sup>2</sup> 27, 143
1873...	42, 134, 239	1899...	74, 798, 612	1925...	115, 378, 094	292, 168	1, 402, 801	11, 414, 060	<sup>2</sup> 27, 151
1874...	43, 293, 980	1900...	76, 129, 408	1926...	117, 136, 000	299, 000	1, 422, 000	11, 583, 000	<sup>2</sup> 27, 692
1875...	44, 453, 721	1901...	77, 747, 402	1927...	118, 628, 000	305, 400	1, 440, 300	11, 752, 400	<sup>2</sup> 27, 624
1876...	45, 613, 462	1902...	79, 365, 396	1928...	120, 013, 000	311, 900	1, 459, 000	11, 921, 600	<sup>2</sup> 27, 624

<sup>1</sup> Enumeration by Canal Commission.

<sup>2</sup> Police census.

<sup>3</sup> Police census, excluding persons in military and naval service.

Source of Tables 5 and 6: Bureau of the Census, Department of Commerce.

## No. 7.—RACE, NATIVITY, AND PARENTAGE: CONTINENTAL UNITED STATES

[NOTE.—The census of 1870 in the Southern States is considered incomplete, this affects especially the figures for the negro population]

Class	1860	1870	1880	1890	1900	1910	1920
All classes.....	31,443,391	38,568,371	50,155,783	62,847,714	75,394,375	91,973,293	105,710,990
White.....	26,922,537	33,589,377	43,402,970	55,101,258	66,909,196	81,731,957	94,820,915
Negro.....	4,441,830	4,880,009	6,580,793	7,488,076	8,833,994	9,827,763	10,463,131
Indian.....	44,021	25,731	66,407	248,253	227,195	268,682	244,427
Chinese.....	34,933	63,199	106,465	107,488	89,863	71,631	81,620
Japanese.....		55	148	2,039	24,326	72,157	111,010
All other <sup>1</sup> .....						3,175	9,488
Native (all races).....	27,804,624	32,991,142	43,475,840	53,698,154	65,653,299	79,456,380	91,780,928
Foreign born.....	4,138,697	5,567,229	6,679,943	9,249,560	10,341,276	13,516,860	13,920,062
White population.....							
Native, total.....	22,825,784	28,095,665	36,843,291	45,979,391	56,595,379	68,386,412	81,108,161
Native parentage.....		22,771,397	28,568,424	34,475,716	40,949,362	49,488,575	58,421,957
Foreign or mixed parentage.....		5,324,268	8,274,867	11,503,675	15,646,017	18,897,837	22,686,204
Foreign.....		4,167,098	6,363,709	8,085,019	10,632,280	12,916,311	15,604,539
Mixed native and foreign.....		1,157,170	1,911,098	3,418,656	5,013,737	5,981,526	6,991,665
Foreign born.....	4,096,753	5,493,712	6,559,679	9,121,867	10,213,817	13,345,545	13,712,764
Per cent of total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White.....	85.6	87.1	86.5	87.5	87.9	88.9	89.7
Negro.....	14.1	12.7	13.1	11.9	11.6	10.7	9.9
Indian.....	0.1	0.1	0.1	0.4	0.3	0.3	0.2
Chinese.....	0.1	0.2	0.2	0.2	0.1	0.1	0.1
Japanese.....		( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	0.1	0.1
All other <sup>3</sup> .....						( <sup>2</sup> )	( <sup>2</sup> )
Native (all races).....	86.8	85.6	86.7	85.3	86.4	85.3	86.8
Foreign born.....	13.2	14.4	13.3	14.7	13.6	14.7	13.2
White population.....							
Native, total.....	72.6	72.9	73.5	73.0	74.5	74.4	76.7
Native parentage.....		69.1	67.0	64.8	53.9	53.8	53.3
Foreign or mixed parentage.....		12.8	16.5	18.3	20.6	20.5	21.3
Foreign.....		10.8	12.7	12.8	14.0	14.0	14.8
Mixed native and foreign.....		3.0	3.8	5.4	6.6	6.5	6.6
Foreign born.....	12.0	14.2	13.1	14.5	13.4	14.8	13.0
Increase over preceding census: <sup>4</sup>							
All classes.....	8,861,445	7,116,060	11,597,412	12,496,467	13,046,851	15,977,691	13,738,594
Percent.....	28.2	23.6	30.1	24.9	29.7	21.0	14.9
White.....	7,369,469	6,066,840	9,813,593	11,580,920	11,707,938	14,922,761	13,068,958
Percent.....	27.7	24.6	29.2	26.7	21.2	22.3	16.0
Negro.....	803,022	438,179	1,700,784	889,247	1,245,316	993,769	635,368
Percent.....	22.1	9.9	34.9	13.5	18.0	11.2	6.5
Indian.....	44,021	-18,290	40,675	-7,601	-11,057	28,487	-21,246
Percent.....		-41.5	158.1	-11.4	4.5	12.0	-8.0
Chinese.....	34,933	28,266	42,266	2,010	-17,625	18,332	-9,892
Percent.....		80.9	66.9	1.9	-16.4	-20.4	-13.8
Japanese.....		55	93	1,691	22,287	47,831	36,853
Percent.....			( <sup>5</sup> )	1,277.7	1,093.0	196.6	53.8
All other <sup>1</sup> .....						3,175	6,313
Percent.....							198.8
Native (all races).....	6,357,350	5,686,618	10,484,698	9,896,863	11,955,145	12,803,081	13,333,548
Percent.....	30.3	20.8	31.8	22.8	22.3	19.5	17.0
Foreign born.....	1,894,095	1,428,523	1,112,714	2,569,604	1,091,716	3,174,610	404,806
Percent.....	84.4	34.5	20.0	38.5	11.8	30.7	3.0
White population.....							
Native, total.....	5,513,251	5,269,881	8,747,426	9,018,732	10,615,968	11,791,033	12,721,749
Percent.....	31.8	23.1	31.1	24.3	23.1	20.8	18.6
Native parentage.....			5,797,027	5,789,624	6,473,646	8,539,213	8,933,382
Percent.....			25.5	20.3	18.8	20.9	16.1
Foreign or mixed parentage.....			2,950,590	3,228,808	4,142,342	3,251,820	3,788,367
Percent.....			55.4	39.0	30.0	20.8	20.0
Foreign.....			2,196,671	1,721,250	2,347,251	2,284,031	2,778,226
Percent.....			52.7	27.0	31.5	21.5	21.5
Mixed native and foreign.....			753,929	1,507,558	1,865,061	967,789	1,010,139
Percent.....			65.2	78.9	46.7	19.3	18.4
Foreign born.....	1,856,218	1,396,959	1,065,967	2,362,188	1,091,950	3,181,728	367,309
Percent.....	82.8	34.1	19.4	39.1	12.0	30.7	2.9

Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated at censuses prior to 1900.

<sup>2</sup> Comprises Filipinos, Hindus, Koreans, Hawaiians, Malays, Siamese, Samoans, and Maoris.

<sup>3</sup> Less than one tenth of 1 per cent.

<sup>4</sup> A minus sign (—) denotes decrease.

<sup>5</sup> Exclusive of 325,464 persons (117,368 whites, 18,636 Negroes, 180,447 Indians, and 19 Chinese), specially enumerated in 1890 in Indian Territory and on Indian reservations.

<sup>6</sup> Per cent not shown where base is less than 100.

Source. Bureau of the Census, Department of Commerce.



No. 8.—SEX DISTRIBUTION, BY CLASSES: CONTINENTAL UNITED STATES

Class	1900		1910		1920		Males per 100 females		
	Males	Females	Males	Females	Males	Females	1900	1910	1920
All classes.....	38,818,446	37,178,127	47,338,277	44,829,969	55,900,431	51,810,189	104.4	104.0	104.0
White.....	34,201,735	32,607,461	42,178,245	39,553,712	48,430,655	46,390,280	104.9	106.6	104.4
Negro.....	4,386,547	4,447,447	4,885,831	4,941,832	5,209,436	5,253,695	98.6	98.9	99.2
Indian.....	119,484	117,712	135,133	130,550	125,069	119,369	101.5	103.5	104.8
Chinese.....	85,341	4,522	60,856	4,675	53,891	7,748	1,887.2	1,430.1	695.5
Japanese.....	23,341	985	63,070	9,087	72,707	38,303	2,369.6	694.1	189.8
All other.....			3,092	83	8,674	814		( <sup>c</sup> )	1,055.8
White population.....									
Native, total.....	28,686,450	27,908,920	34,654,467	33,731,955	40,902,333	40,205,838	102.8	102.7	101.7
Native parentage.....	20,849,847	20,090,515	25,220,218	24,259,357	29,636,781	28,785,176	103.7	104.0	103.0
Foreign or mixed parentage.....	7,836,603	7,808,414	9,434,239	9,472,596	11,265,552	11,420,652	100.3	99.5	98.6
Foreign.....	5,341,850	5,290,930	6,456,793	6,450,518	7,810,631	7,884,008	101.0	100.0	100.1
Mixed native and foreign.....	2,495,253	2,518,484	2,968,446	3,013,080	3,455,021	3,536,644	99.1	98.5	97.7
Foreign born.....	5,615,286	4,698,532	7,523,788	5,821,757	7,528,322	6,184,432	117.4	129.2	121.7
<hr/>									
<hr/>									
Total population:	1900		1910		1920		1900		
Males.....	16,085,204		19,493,565		25,518,820		32,237,101		
Females.....	15,358,117		19,064,806		24,636,963		30,710,613		
Males per 100 females.....	104.7		102.2		103.6		106.0		

<sup>c</sup> Ratio not shown, number of females being less than 100

No. 9.—AGE DISTRIBUTION: BY CLASSES, 1920, WITH CERTAIN COMPARISONS FOR PREVIOUS CENSUSES, CONTINENTAL UNITED STATES

Age group	All classes					
	Number			Per cent		
	1900	1910	1920	1900	1910	1920
Total.....	73,994,575	91,972,966	105,710,620	100.0	100.0	100.0
Under 5.....	9,170,628	10,631,364	11,573,230	12.1	11.6	10.9
5 to 14.....	16,654,357	18,867,772	22,039,212	22.3	20.5	20.8
15 to 19.....	7,556,089	9,063,603	9,430,556	9.9	9.9	8.9
20 to 44.....	28,632,443	35,860,859	40,555,543	37.7	39.0	38.4
45 and over.....	13,480,474	17,373,613	21,063,380	17.7	18.9	20.8
Age unknown.....	200,584	100,055	148,699	0.3	0.2	0.1

Age group	Male		Female		Native white, native parentage		Native white, foreign or mixed parentage	
	Number	Per ct.	Number	Per ct.	Number	Per ct.	Number	Per ct.
Total (1920).....	53,900,431	100.0	51,810,189	100.0	58,421,957	100.0	22,626,204	100.0
Under 5.....	8,857,461	10.9	5,715,769	11.0	7,366,530	12.6	2,962,407	13.1
5 to 14.....	11,122,307	20.6	10,916,906	21.1	13,433,572	23.0	5,521,749	24.3
15 to 19.....	4,673,792	8.7	4,758,764	9.2	5,599,046	9.6	2,187,167	9.6
20 to 44.....	20,555,965	38.1	19,999,578	38.6	20,952,732	35.9	8,235,855	36.3
45 and over.....	11,598,031	21.5	10,365,849	20.0	10,977,908	18.8	8,767,796	16.6
Age unknown.....	92,875	0.2	55,824	0.1	92,169	0.2	11,230	( <sup>c</sup> )

Age group	Foreign-born white		Negroes		Indian		Chinese		Japanese	
	Number	Per ct.	Number	Per ct.	Number	Per ct.	Number	Per ct.	Number	Per ct.
Total (1920).....	13,712,764	100.0	10,463,131	100.0	944,437	100.0	61,639	100.0	111,010	100.0
Under 5.....	44,984	0.3	1,143,600	10.9	33,346	13.6	2,898	4.7	19,029	17.1
5 to 14.....	501,246	3.7	2,503,121	23.9	64,339	26.3	4,516	7.3	10,812	9.3
15 to 19.....	527,942	3.9	1,083,215	10.4	25,417	10.4	2,760	4.5	4,342	3.9
20 to 44.....	7,196,586	52.5	3,906,083	38.2	75,345	30.8	25,470	41.3	64,315	57.9
45 and over.....	5,419,732	39.5	1,713,510	16.4	45,199	18.5	25,735	41.6	12,600	11.4
Age unknown.....	2,000	0.1	23,503	0.2	791	0.3	260	0.4	412	0.4

<sup>a</sup> All classes for 1920 includes other nonwhite (9,488) not shown separately.<sup>b</sup> Less than one-tenth of 1 per cent.

Source of Tables 8 and 9: Bureau of the Census, Department of Commerce.

## POPULATION BY STATES

## No. 10.—POPULATION BY STATES

[NOTE.—The census of 1870 in the

Division and State	Population							
	1790	1800	1810	1820	1830	1840	1850	1860
<b>United States (Cont'l)</b> .....	3,929,914	5,306,483	7,239,881	9,639,453	12,868,090	17,069,459	23,191,876	31,443,381
<b>New England</b> .....	1,006,408	1,333,011	1,471,873	1,660,071	1,954,717	2,334,892	2,728,116	3,135,268
Maine.....	96,540	151,719	228,705	298,335	399,455	501,793	583,109	628,279
New Hampshire.....	141,885	183,858	214,460	244,161	269,328	284,574	317,076	326,078
Vermont.....	85,425	154,465	217,895	235,961	280,652	291,948	314,120	315,096
Massachusetts.....	378,787	422,845	472,040	523,287	610,408	737,699	994,514	1,231,066
Rhode Island.....	68,825	69,123	76,931	83,059	97,199	108,830	147,545	174,620
Connecticut.....	237,946	261,002	261,042	275,248	297,676	309,978	370,792	460,147
<b>Middle Atlantic</b> .....	968,632	1,409,565	2,014,702	2,699,846	3,587,664	4,598,960	5,896,735	7,458,989
New York.....	340,120	569,051	956,049	1,372,812	1,918,608	2,428,921	3,097,394	3,880,728
New Jersey.....	184,139	211,149	245,562	277,575	320,823	373,306	489,555	672,085
Pennsylvania.....	434,373	602,365	810,091	1,049,458	1,348,233	1,724,023	2,311,780	2,906,215
<b>East North Central</b> .....		51,008	979,394	799,719	1,470,018	2,994,738	4,335,980	6,926,964
Ohio.....		45,365	230,760	581,434	937,903	1,519,467	1,980,329	2,330,511
Indiana.....		5,641	24,520	147,178	343,031	685,866	988,416	1,350,429
Illinois.....			12,282	55,211	157,445	476,183	851,470	1,711,951
Michigan.....			4,782	8,896	31,639	212,267	397,654	749,118
Wisconsin.....						30,945	305,391	775,681
<b>West North Central</b> .....			19,793	66,586	140,456	436,614	860,335	2,169,539
Minnesota.....							6,977	172,028
Iowa.....						43,112	192,214	674,913
Missouri.....			19,793	66,586	140,456	383,702	682,044	1,182,012
North Dakota.....							(1)	4,837
South Dakota.....								29,841
Nebraska.....								107,206
Kansas.....								
<b>South Atlantic</b> .....	1,651,608	2,286,494	2,674,681	3,061,063	3,645,759	3,925,299	4,679,080	5,344,708
Delaware.....	50,090	64,273	72,674	72,749	76,748	78,085	91,522	112,216
Maryland.....	319,728	341,548	380,548	407,350	447,040	470,019	583,084	687,049
District of Columbia.....		14,093	24,023	33,039	39,834	43,712	51,687	75,080
Virginia.....	747,610	880,207	974,000	1,068,366	1,211,405	1,239,797	1,421,661	1,596,318
West Virginia <sup>2</sup> .....								
North Carolina.....	293,751	478,103	565,600	638,829	737,987	753,419	909,039	992,622
South Carolina.....	249,073	345,691	415,115	502,741	581,185	694,398	668,507	703,708
Georgia.....	82,548	102,686	252,433	340,989	516,823	691,392	906,185	1,057,286
Florida.....					24,730	54,477	87,445	140,424
<b>East South Central</b> .....	109,368	335,407	708,590	1,190,489	1,816,969	2,575,445	3,363,271	4,090,991
Kentucky.....	72,677	220,955	406,511	564,317	687,917	779,828	982,405	1,155,684
Tennessee.....	35,691	105,602	261,727	422,823	681,904	829,210	1,002,717	1,109,801
Alabama.....				127,901	309,527	590,756	771,623	964,201
Mississippi.....		8,850	40,852	75,448	136,621	375,651	606,536	791,306
<b>West South Central</b> .....			77,613	167,660	346,127	449,965	940,861	1,747,957
Arkansas.....			1,082	14,273	30,368	97,674	209,897	435,450
Louisiana.....			75,536	163,407	215,759	352,411	617,762	708,002
Oklahoma.....							212,592	604,215
Texas.....								
<b>Mountain</b> .....							72,927	174,923
Montana.....								
Idaho.....								
Wyoming.....								
Colorado.....								24,277
New Mexico.....							61,547	93,516
Arizona.....								
Utah.....							11,380	40,273
Nevada.....								6,857
<b>Pacific</b> .....							105,891	444,065
Washington.....								11,894
Oregon.....							13,294	52,466
California.....							92,397	379,904

<sup>1</sup> A minus sign (—) denotes decrease.<sup>2</sup> Includes population (325,464) of Indian Territory and Indian reservations, specially enumerated in 1890, but not included in the general report on population for 1890.<sup>3</sup> Includes persons (5,318 in 1830 and 6,100 in 1840) on public ships in the service of the United States not credited to any division or State.

Source: Bureau of the Census, Department of Commerce.

# POPULATION BY STATES

7

## AT EACH CENSUS, 1790 TO 1930

[Southern States is considered incomplete]

Population—Continued						Per cent increase <sup>1</sup>		Rank in population		Division and State
1870	1880	1890	1900	1910	1920	1900-1910	1910-1920	1910	1920	
22,622,371	50,155,783	62,947,714	75,994,975	91,972,308	105,710,620	31.0	14.9			U. S.
2,487,994	4,610,529	4,700,749	5,592,017	5,532,681	7,400,909	17.8	12.9	VII	VII	N. E.
626,915	648,935	661,086	694,466	742,371	768,014	3.9	3.5	34	34	Me.
312,303	346,991	376,530	411,588	430,572	443,083	4.6	2.9	39	41	N. H.
330,551	332,289	332,422	343,841	355,956	352,428	3.6	-1.0	42	45	Vt.
1,457,351	1,783,085	2,238,947	2,805,346	3,366,416	3,852,356	20.0	14.4	6	6	Mass.
217,353	276,531	345,506	428,558	542,610	604,397	26.6	11.4	26	36	R. I.
527,454	622,700	746,258	908,420	1,114,756	1,380,631	22.7	23.9	31	29	Conn.
8,810,806	10,498,878	12,706,220	15,454,678	19,315,892	22,361,144	25.0	15.2	I	I	N. A.
4,282,759	5,082,871	6,003,174	7,208,894	9,113,614	10,385,227	25.4	14.0	1	1	N. Y.
906,006	1,131,116	1,444,933	1,883,669	2,537,167	3,155,900	34.7	24.4	11	10	N. J.
2,521,951	4,282,891	5,256,113	6,302,115	7,665,111	8,720,017	21.6	13.8	2	2	Pa.
9,124,517	11,306,969	12,478,505	15,985,381	18,260,621	21,475,543	14.2	17.7	II	II	E. S. C.
2,665,290	3,196,062	3,672,329	4,157,545	4,767,121	5,759,394	14.7	20.8	4	4	Ohio.
1,650,637	1,978,301	2,192,404	2,516,462	2,700,876	2,930,390	7.3	8.5	9	11	Ind.
2,539,901	3,077,871	3,826,352	4,821,550	5,638,591	6,485,280	16.9	15.0	3	3	Ill.
1,184,059	1,636,937	2,043,890	2,420,982	2,810,173	3,668,412	16.1	30.5	8	7	Mich.
1,054,670	1,315,427	1,693,330	2,069,042	2,333,860	2,632,067	12.8	12.8	13	13	Wis.
2,654,594	4,157,443	6,559,119	10,347,423	11,637,921	12,544,948	12.5	7.8	IV	IV	W. S. C.
439,706	780,773	1,310,283	1,751,394	2,075,706	2,387,125	18.5	15.0	19	17	Minn.
1,194,020	1,624,615	1,912,297	2,231,853	2,224,771	2,404,021	-3	8.1	15	16	Iowa.
1,721,295	2,168,390	2,679,185	3,106,665	3,293,335	3,404,655	6.0	3.4	7	9	Mo.
2,405	36,909	190,983	319,146	577,056	646,872	80.8	12.1	37	36	N. Dak.
11,776	96,268	348,600	401,570	583,688	636,547	43.4	9.0	36	37	S. Dak.
122,903	452,402	1,062,656	1,066,300	1,192,214	1,296,372	11.8	8.7	29	31	Nebr.
264,369	996,096	1,428,108	1,470,495	1,690,949	1,769,257	15.0	4.6	22	24	Kans.
3,553,810	7,597,187	8,857,922	10,443,480	12,194,695	13,990,272	16.8	14.7	XIII	XIII	S. A.
125,019	166,008	168,493	184,735	202,322	223,003	9.9	10.2	47	47	Del.
780,904	934,943	1,042,390	1,188,044	1,295,346	1,449,661	9.0	11.9	27	28	Md.
131,700	177,624	230,392	278,718	331,009	437,571	18.8	32.2	43	42	D. C.
1,255,163	1,512,565	1,655,980	1,854,184	2,061,612	2,309,187	11.2	12.0	20	20	Va.
442,014	618,457	762,794	958,800	1,221,119	1,463,701	27.4	19.9	28	27	W. Va.
1,071,341	1,399,750	1,617,949	1,893,810	2,208,287	2,559,123	16.8	16.0	16	14	N. C.
705,606	995,577	1,151,149	1,340,316	1,515,400	1,683,724	13.1	11.1	26	26	S. C.
1,184,169	1,542,180	1,837,353	2,216,331	2,609,121	2,895,832	17.7	11.0	10	12	Ga.
167,746	269,493	391,422	528,542	752,619	968,470	42.4	28.7	32	32	Fla.
4,404,444	5,585,151	6,429,154	7,547,757	8,409,901	9,893,307	11.4	6.7	VI	VI	E. S. C.
1,321,011	1,648,690	1,858,635	2,147,174	2,289,908	2,416,630	6.6	5.5	14	15	Ky.
1,258,620	1,542,350	1,767,518	2,020,616	2,184,789	2,337,885	8.1	7.0	17	19	Tenn.
996,902	1,262,505	1,513,401	1,828,697	2,138,093	2,348,174	16.9	9.8	18	18	Ala.
827,922	1,131,597	1,269,600	1,551,270	1,797,114	1,790,618	15.8	-4	21	23	Miss.
2,089,966	3,334,220	4,740,963	6,532,290	8,784,534	10,942,294	34.5	16.6	V	V	W. S. C.
484,471	802,525	1,128,211	1,311,564	1,574,449	1,752,204	20.0	11.3	25	25	Ark.
726,916	939,946	1,118,588	1,381,625	1,656,388	1,798,509	19.9	8.6	24	22	La.
		258,657	790,391	1,657,155	2,028,283	109.7	22.4	28	21	Okla.
818,579	1,591,749	2,235,527	3,048,710	3,896,542	4,663,228	27.8	19.7	5	5	Tex.
316,386	663,119	1,213,935	1,674,657	2,633,517	3,536,101	37.3	36.7	IX	IX	
20,505	39,159	142,924	243,329	376,053	548,889	54.5	46.0	40	39	Mont.
14,909	32,610	88,548	161,772	325,594	431,866	101.3	32.6	45	43	Idaho
9,118	20,786	62,555	92,531	145,965	194,402	57.7	33.2	48	48	Wyo.
39,864	194,327	413,249	539,700	799,024	939,629	48.0	17.6	32	33	Colo.
91,874	119,565	160,282	195,310	327,301	360,350	67.6	10.1	44	44	N. Mex.
9,658	40,440	88,243	122,931	204,354	334,162	66.2	53.5	46	46	Ariz.
86,786	143,963	210,779	276,749	373,351	448,396	34.9	20.4	41	40	Utah.
42,491	62,206	47,355	42,335	81,875	77,407	93.4	-5.5	49	49	Nev.
975,133	1,114,678	1,883,334	3,416,899	4,189,304	5,566,871	73.5	32.8	VIII	VIII	Pac.
23,965	75,116	357,232	518,103	1,141,900	1,356,621	120.4	18.8	30	30	Wash.
90,923	174,798	317,704	413,536	672,765	783,399	62.7	16.4	35	34	Oreg.
393,247	864,694	1,213,296	1,485,053	2,377,549	3,426,861	60.1	44.1	12	8	Calif.

<sup>1</sup> Population of area taken to form State of Missouri in 1821; part of Louisiana Territory in 1810.

<sup>2</sup> Population shown for South Dakota in 1860 represents entire Dakota Territory, for 1870 and 1880, population parts as since existing have been segregated.

<sup>3</sup> Area now constituting West Virginia formed part of Virginia prior to 1870.

<sup>4</sup> Population of area taken to form Arkansas Territory in 1819, part of Louisiana Territory in 1810.

<sup>5</sup> Includes population of Indian Territory, as follows: 1890, 180,182; 1900, 392,000.

## No. 11.—POPULATION: ANNUAL MIDYEAR ESTIMATES BY STATES

[All figures in thousands]

Division and State	1920	1921	1922	1923	1924	1925	1926	1927	1928 <sup>1</sup>
<b>United States (Cont'l)</b>	<b>106,422</b>	<b>109,890</b>	<b>111,692</b>	<b>112,787</b>	<b>115,378</b>	<b>117,136</b>	<b>118,629</b>	<b>120,012</b>	
<b>New England</b>	<b>7,450</b>	<b>7,668</b>	<b>7,777</b>	<b>7,894</b>	<b>7,968</b>	<b>8,082</b>	<b>8,182</b>	<b>8,278</b>	
Maine	769	778	779	783	787	790	793	795	
New Hampshire	444	447	449	450	452	454	455	456	
Vermont	1,352	1,352	1,352	1,352	1,352	1,352	1,352	1,352	
Massachusetts	3,690	3,691	4,047	4,103	4,144	4,197	4,242	4,290	
Rhode Island	611	640	654	668	679	683	704	716	
Connecticut	1,394	1,462	1,497	1,588	1,572	1,605	1,626	1,667	
<b>Middle Atlantic</b>	<b>22,417</b>	<b>23,131</b>	<b>23,496</b>	<b>23,897</b>	<b>24,233</b>	<b>24,597</b>	<b>24,898</b>	<b>25,225</b>	
New York	10,457	10,744	10,887	11,031	11,163	11,303	11,423	11,550	
New Jersey	3,187	3,345	3,427	3,522	3,600	3,690	3,749	3,821	
Pennsylvania	8,773	9,042	9,182	9,344	9,476	9,614	9,730	9,854	
<b>East North Central</b>	<b>21,837</b>	<b>22,459</b>	<b>22,889</b>	<b>23,386</b>	<b>23,739</b>	<b>24,206</b>	<b>24,584</b>	<b>24,962</b>	
Ohio	5,809	6,092	6,194	6,347	6,471	6,600	6,710	6,826	
Indiana	2,942	3,000	3,031	3,066	3,095	3,124	3,150	3,176	
Illinois	6,528	6,744	6,856	6,967	7,093	7,203	7,295	7,396	
Michigan	3,711	3,930	4,045	4,177	4,284	4,396	4,490	4,591	
Wisconsin	2,647	2,723	2,763	2,809	2,846	2,885	2,918	2,953	
<b>West North Central</b>	<b>12,581</b>	<b>12,750</b>	<b>12,849</b>	<b>12,941</b>	<b>13,021</b>	<b>13,106</b>	<b>13,189</b>	<b>13,261</b>	
Minnesota	2,403	2,482	2,534	2,572	2,611	2,651	2,686	2,722	
Iowa	2,406	2,412	2,415	2,418	2,420	2,423	2,425	2,428	
Missouri	3,410	3,438	3,453	3,470	3,484	3,498	3,510	3,523	
North Dakota	646	644	643	642	641	641	641	641	
South Dakota	641	658	666	674	681	689	696	704	
Nebraska	1,302	1,328	1,342	1,358	1,371	1,385	1,396	1,408	
Kansas	1,773	1,790	1,799	1,807	1,813	1,821	1,828	1,835	
<b>South Atlantic</b>	<b>14,096</b>	<b>14,618</b>	<b>14,884</b>	<b>15,185</b>	<b>15,419</b>	<b>15,676</b>	<b>15,966</b>	<b>16,187</b>	
Delaware	224	229	232	235	238	240	243	244	
Maryland	1,457	1,497	1,517	1,541	1,560	1,580	1,597	1,616	
District of Columbia	443	470	484	501	514	528	540	552	
Virginia	2,322	2,386	2,418	2,456	2,486	2,516	2,546	2,575	
West Virginia	1,476	1,538	1,570	1,607	1,638	1,669	1,698	1,724	
North Carolina	2,577	2,667	2,714	2,766	2,812	2,858	2,897	2,938	
South Carolina	1,092	1,735	1,757	1,783	1,804	1,826	1,846	1,864	
Georgia	2,910	2,983	3,022	3,066	3,102	3,139	3,171	3,203	
Florida	907	1,112	1,170	1,228	1,264	1,317	1,363	1,411	
<b>East South Central</b>	<b>9,219</b>	<b>9,043</b>	<b>9,108</b>	<b>9,184</b>	<b>9,248</b>	<b>9,309</b>	<b>9,363</b>	<b>9,419</b>	
Kentucky	2,423	2,455	2,472	2,492	2,508	2,524	2,538	2,553	
Tennessee	2,346	2,385	2,405	2,429	2,448	2,468	2,485	2,502	
Alabama	2,350	2,412	2,440	2,472	2,499	2,526	2,549	2,573	
Mississippi	1,791	1,791	1,791	1,791	1,791	1,791	1,791	1,791	
<b>West South Central</b>	<b>10,316</b>	<b>10,687</b>	<b>10,882</b>	<b>11,105</b>	<b>11,287</b>	<b>11,479</b>	<b>11,659</b>	<b>11,807</b>	
Arkansas	1,761	1,807	1,831	1,858	1,880	1,905	1,923	1,944	
Louisiana	1,806	1,842	1,861	1,882	1,900	1,919	1,934	1,950	
Oklahoma	2,047	1,141	2,191	2,248	2,294	2,342	2,384	2,428	
Texas	4,702	4,597	4,999	5,117	5,213	5,313	5,397	5,467	
<b>Mountain</b>	<b>3,371</b>	<b>3,551</b>	<b>3,646</b>	<b>3,734</b>	<b>3,843</b>	<b>3,936</b>	<b>4,013</b>	<b>4,100</b>	
Montana	557	601	624	651	672	695	714	739	
Idaho	437	464	479	495	508	522	534	546	
Wyoming	197	209	216	223	229	236	241	247	
Colorado	947	983	1,001	1,023	1,040	1,059	1,074	1,090	
New Mexico	362	370	375	380	384	389	392	396	
Arizona	341	374	391	411	428	445	459	474	
Utah	453	473	483	494	504	514	522	531	
Nevada	177	177	177	177	177	177	177	177	
<b>Pacific</b>	<b>6,855</b>	<b>6,986</b>	<b>6,170</b>	<b>6,382</b>	<b>6,553</b>	<b>6,731</b>	<b>6,885</b>	<b>7,045</b>	
Washington	1,367	1,422	1,451	1,484	1,510	1,538	1,562	1,587	
Oregon	789	817	832	849	863	877	890	902	
California	3,479	3,747	3,887	4,049	4,180	4,316	4,433	4,556	

<sup>1</sup> Preliminary figures.<sup>2</sup> Population State Census, 1925.<sup>3</sup> Population Jan. 1, 1920.

Source: Bureau of the Census, Department of Commerce.

## No. 12.—DENSITY OF POPULATION PER SQUARE MILE, BY STATES

[NOTE.—In computing density for the United States the areas and population of Alaska, Hawaii, and Porto Rico at all censuses are not considered. The population of continental United States has been divided by the total land area, although it included at each census some unorganized territory which was not canvassed by the enumerators. For each State or Territory the population as returned at a given census has been divided by the land area in square miles of the State or Territory as constituted at the time that census was taken. The areas of Indian reservations, outside of Indian Territory, are included in the areas of the several States and Territories, although the population was not ascertained and can not be considered in figuring density of population prior to 1890. The census of 1870 in the Southern States is considered incomplete. Population density in 1920 of Alaska, Hawaii, and Porto Rico, based on gross area, and not land area, was as follows: Alaska, 0.1; Hawaii, 39.7; Porto Rico, 378.4]

Division and State	1860	1850	1860	1870	1880	1890	1900	1910	1920
Continental United States.....	6.1	7.9	10.6	13.0	16.9	21.2	25.6	30.9	35.5
<b>New England</b> .....	19.9	44.0	50.6	56.3	64.7	75.8	90.2	105.7	119.4
Maine.....	5.1	19.5	21.0	21.0	21.7	22.1	23.2	24.8	25.7
New Hampshire.....	20.4	35.2	36.1	35.2	38.4	41.7	45.6	47.7	49.1
Vermont.....	16.9	34.4	34.5	36.2	36.4	36.4	37.7	39.0	38.6
Massachusetts.....	52.6	123.7	153.1	181.3	221.8	278.5	349.0	418.8	479.2
Rhode Island.....	64.8	138.3	163.7	203.7	259.2	323.8	401.6	508.5	566.4
Connecticut.....	52.1	76.9	95.5	111.5	129.2	154.8	188.5	231.3	286.4
<b>Middle Atlantic</b> .....	14.0	59.0	74.6	88.1	105.0	127.1	154.5	193.2	232.6
New York.....	12.4	65.0	81.4	92.0	106.7	126.0	152.5	191.2	217.9
New Jersey.....	28.1	65.2	89.4	120.6	150.5	192.3	250.7	337.7	420.0
Pennsylvania.....	13.4	51.6	64.8	78.6	95.5	117.3	140.6	171.0	194.5
<b>East North Central</b> .....	0.2	18.4	28.2	37.2	45.7	54.9	65.2	74.3	87.5
Ohio.....	1.1	48.6	57.4	65.4	78.5	90.1	102.1	117.0	141.4
Indiana.....	( <sup>1</sup> )	27.5	37.6	46.8	55.1	61.1	70.1	74.9	81.3
Illinois.....		15.2	30.6	45.4	55.0	68.3	86.1	100.6	115.7
Michigan.....		6.9	13.0	20.6	28.5	36.4	42.1	48.9	63.8
Wisconsin.....		5.5	14.0	19.1	23.8	30.6	37.4	42.2	47.6
<b>West North Central</b> .....		2.1	3.0	7.6	12.1	17.5	20.3	22.8	24.6
Minnesota.....		( <sup>1</sup> )	2.1	5.4	9.7	16.2	21.7	25.7	29.5
Iowa.....		3.5	12.1	21.5	29.2	34.4	40.2	40.0	43.2
Missouri.....		9.9	17.2	25.0	31.6	39.0	45.2	47.9	49.5
North Dakota.....			( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.7	4.5	8.2	9.2
South Dakota.....			( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.5	5.2	7.6	8.3
Nebraska.....			0.2	1.6	5.9	13.8	13.9	15.5	16.9
Kansas.....			1.3	4.5	12.2	17.5	18.0	20.7	21.6
<b>South Atlantic</b> .....	8.6	17.4	19.9	21.8	28.2	32.9	38.8	45.3	52.0
Delaware.....	32.7	46.6	57.1	63.6	74.6	85.7	94.0	103.0	113.5
Maryland.....	34.4	58.6	69.1	78.6	94.0	104.9	119.5	130.3	145.8
District of Columbia.....	156.6	891.2	1,294.5	2,270.7	3,062.5	3,972.3	4,645.3	5,517.8	7,292.9
Virginia.....	13.7	22.1	24.8	30.4	37.6	41.1	46.1	51.2	57.4
West Virginia.....				18.4	25.7	31.8	39.9	50.8	60.9
North Carolina.....	9.8	17.8	20.4	22.0	28.7	33.2	38.9	45.3	52.5
South Carolina.....	11.3	21.9	23.1	23.1	32.6	37.7	44.0	49.7	55.2
Georgia.....	1.5	15.4	18.0	20.2	26.3	31.3	37.7	44.4	49.3
Florida.....		1.6	2.6	3.4	4.9	7.1	9.6	13.7	17.7
<b>East South Central</b> .....	2.9	18.7	22.4	24.5	31.1	35.8	42.0	46.8	49.5
Kentucky.....	5.5	24.4	28.8	32.9	41.0	46.3	53.4	57.0	60.1
Tennessee.....	2.5	24.1	26.6	30.2	37.0	42.4	48.5	52.4	56.1
Alabama.....		15.0	18.8	19.4	24.6	29.5	35.7	41.7	45.8
Mississippi.....	0.3	13.1	17.1	17.9	24.4	27.8	33.5	38.8	38.6
<b>West South Central</b> .....		2.6	4.9	5.6	9.3	11.0	15.2	20.4	23.8
Arkansas.....		4.0	8.3	9.2	15.3	21.5	25.0	30.0	33.4
Louisiana.....		11.4	15.6	16.0	20.7	24.6	30.4	36.5	39.6
Oklahoma.....						<sup>3</sup> 2.0	<sup>3</sup> 10.3	23.9	29.2
Texas.....		0.8	2.3	3.1	6.1	8.5	11.6	14.8	17.8
<b>Mountain</b> .....		0.2	0.3	0.4	0.8	1.4	1.9	3.1	3.9
Montana.....				0.1	0.3	1.0	1.7	2.6	3.8
Idaho.....				0.2	0.4	1.1	1.9	3.9	5.2
Wyoming.....				0.1	0.2	0.6	0.9	1.5	2.0
Colorado.....			0.3	0.4	1.9	4.0	5.2	7.7	9.1
New Mexico.....		0.3	0.4	0.7	1.0	1.3	1.6	2.7	2.9
Arizona.....				0.1	0.4	0.8	1.1	1.8	2.9
Utah.....		( <sup>1</sup> )	0.3	1.1	1.8	2.6	3.4	4.5	5.5
Nevada.....			0.1	0.4	0.6	0.4	0.4	0.7	0.7
<b>Pacific</b> .....		0.2	1.0	2.1	3.5	5.9	7.6	13.2	17.5
Washington.....			0.1	0.4	1.1	5.3	7.8	17.1	20.3
Oregon.....		( <sup>1</sup> )	0.5	1.0	1.8	3.3	4.3	7.0	8.2
California.....		0.6	2.4	3.6	5.5	7.8	9.5	15.3	22.0

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Dakota Territory: Less than one-tenth of 1 per cent in 1860, 0.1 in 1870, and 0.9 in 1880.

<sup>3</sup> Indian Territory: 5.9 in 1890 and 12.7 in 1900; combined with Oklahoma, 3.7 in 1890 and 11.4 in 1900.

Source: Bureau of the Census, Department of Commerce.

## No. 13.—AGE DISTRIBUTION OF POPULATION, BY STATES, 1920

Division and State	Age groups—						
	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 44 years	45 years and over	Age unknown
<b>Continental United States</b>	<b>11, 573, 330</b>	<b>11, 396, 075</b>	<b>10, 841, 137</b>	<b>9, 430, 556</b>	<b>40, 555, 543</b>	<b>31, 903, 330</b>	<b>145, 099</b>
<b>New England</b>	<b>753, 030</b>	<b>701, 890</b>	<b>630, 733</b>	<b>569, 138</b>	<b>2, 879, 655</b>	<b>1, 819, 383</b>	<b>4, 801</b>
Maine	75, 140	71, 841	69, 991	63, 840	270, 873	215, 614	895
New Hampshire	41, 391	39, 762	38, 791	35, 152	160, 601	126, 594	792
Vermont	34, 544	33, 412	32, 585	29, 506	121, 389	100, 614	376
Massachusetts	385, 761	359, 826	333, 636	302, 131	1, 538, 716	929, 252	3, 132
Rhode Island	62, 356	58, 253	53, 836	51, 655	237, 066	140, 939	293
Connecticut	152, 838	138, 996	121, 091	108, 832	551, 211	306, 350	1, 418
<b>Middle Atlantic</b>	<b>2, 354, 451</b>	<b>2, 240, 339</b>	<b>2, 045, 395</b>	<b>1, 816, 597</b>	<b>8, 949, 275</b>	<b>4, 833, 988</b>	<b>22, 149</b>
New York	1, 010, 290	972, 151	902, 418	817, 699	4, 327, 292	2, 343, 412	11, 965
New Jersey	338, 696	322, 958	291, 236	255, 161	1, 279, 766	665, 522	2, 561
Pennsylvania	1, 005, 465	945, 230	851, 741	742, 737	3, 342, 217	1, 825, 004	7, 623
<b>East North Central</b>	<b>2, 220, 032</b>	<b>2, 124, 725</b>	<b>1, 964, 219</b>	<b>1, 793, 056</b>	<b>8, 508, 126</b>	<b>4, 642, 122</b>	<b>22, 258</b>
Ohio	586, 136	548, 802	508, 329	454, 654	2, 309, 863	1, 337, 696	3, 912
Indiana	289, 195	284, 981	274, 400	254, 204	1, 096, 824	726, 956	3, 830
Illinois	655, 073	645, 264	595, 330	540, 552	2, 639, 468	1, 400, 669	8, 924
Michigan	404, 586	368, 220	320, 453	295, 514	1, 474, 769	795, 138	3, 733
Wisconsin	285, 042	277, 458	259, 707	238, 132	987, 201	581, 672	2, 555
<b>West North Central</b>	<b>1, 941, 412</b>	<b>1, 913, 097</b>	<b>1, 949, 571</b>	<b>1, 144, 426</b>	<b>4, 762, 300</b>	<b>2, 723, 330</b>	<b>18, 323</b>
Minnesota	201, 394	248, 599	233, 961	219, 609	925, 236	495, 673	2, 653
Iowa	250, 887	239, 979	237, 801	214, 961	904, 494	562, 442	3, 437
Missouri	327, 909	336, 375	335, 121	307, 163	1, 302, 890	788, 386	4, 211
North Dakota	90, 889	85, 773	74, 759	61, 454	230, 121	102, 584	1, 202
South Dakota	79, 831	74, 521	66, 510	59, 470	239, 979	114, 783	1, 447
Nebraska	143, 240	140, 580	132, 108	119, 052	494, 159	264, 687	2, 546
Kansas	187, 262	185, 270	179, 311	162, 691	655, 321	396, 665	2, 737
<b>South Atlantic</b>	<b>1, 723, 369</b>	<b>1, 747, 456</b>	<b>1, 633, 561</b>	<b>1, 409, 111</b>	<b>4, 093, 667</b>	<b>2, 466, 784</b>	<b>20, 124</b>
Delaware	22, 929	21, 144	20, 214	18, 572	86, 650	52, 772	728
Maryland	147, 005	143, 703	139, 871	130, 997	563, 715	322, 879	1, 491
District of Columbia	30, 436	29, 840	29, 810	33, 526	212, 140	99, 924	1, 889
Virginia	277, 184	283, 135	265, 993	234, 360	818, 503	426, 974	3, 038
West Virginia	195, 934	184, 372	164, 147	141, 311	525, 499	249, 652	2, 796
North Carolina	356, 806	355, 642	318, 857	268, 196	844, 553	409, 866	3, 209
South Carolina	228, 581	235, 827	223, 049	182, 761	569, 417	342, 762	1, 336
Georgia	363, 229	382, 373	365, 312	307, 549	1, 009, 913	464, 516	2, 940
Florida	105, 263	111, 420	106, 311	91, 837	363, 477	187, 449	2, 713
<b>East South Central</b>	<b>1, 088, 184</b>	<b>1, 127, 944</b>	<b>1, 063, 032</b>	<b>911, 387</b>	<b>3, 079, 204</b>	<b>1, 594, 536</b>	<b>10, 048</b>
Kentucky	291, 025	287, 571	271, 237	235, 824	846, 910	481, 545	1, 916
Tennessee	280, 739	286, 384	276, 437	238, 371	818, 265	435, 535	2, 154
Alabama	290, 522	318, 231	299, 412	244, 993	798, 254	385, 055	2, 707
Mississippi	216, 248	235, 758	235, 960	192, 199	614, 775	292, 403	3, 299
<b>West South Central</b>	<b>1, 916, 506</b>	<b>1, 968, 179</b>	<b>1, 933, 234</b>	<b>1, 070, 051</b>	<b>3, 749, 356</b>	<b>1, 967, 113</b>	<b>13, 790</b>
Arkansas	230, 811	228, 486	221, 471	183, 852	602, 363	293, 535	1, 684
Louisiana	209, 213	221, 230	219, 227	188, 305	604, 714	289, 495	1, 325
Oklahoma	252, 578	261, 754	247, 437	209, 335	726, 212	327, 696	3, 291
Texas	533, 907	572, 707	545, 099	488, 559	1, 756, 069	766, 397	10, 490
<b>Mountain</b>	<b>298, 814</b>	<b>374, 824</b>	<b>335, 530</b>	<b>285, 204</b>	<b>1, 304, 365</b>	<b>656, 308</b>	<b>13, 061</b>
Montana	67, 373	60, 074	51, 327	42, 026	225, 192	100, 959	1, 937
Idaho	54, 536	51, 279	46, 597	38, 310	161, 681	79, 115	320
Wyoming	22, 624	20, 865	17, 458	14, 780	86, 411	31, 469	876
Colorado	97, 058	95, 086	89, 214	78, 632	366, 496	205, 489	7, 664
New Mexico	46, 399	46, 356	40, 925	34, 690	129, 822	51, 733	455
Arizona	40, 807	37, 894	32, 673	28, 435	139, 144	54, 184	1, 025
Utah	61, 375	56, 491	51, 026	43, 373	161, 093	74, 977	461
Nevada	6, 743	6, 759	5, 710	4, 977	34, 526	18, 377	315
<b>Pacific</b>	<b>473, 479</b>	<b>481, 691</b>	<b>445, 543</b>	<b>412, 598</b>	<b>2, 340, 294</b>	<b>1, 397, 988</b>	<b>18, 080</b>
Washington	126, 434	128, 258	117, 553	106, 465	664, 273	306, 631	4, 787
Oregon	71, 318	73, 084	69, 014	62, 775	314, 820	191, 524	864
California	275, 727	280, 279	259, 276	243, 326	1, 401, 201	697, 633	9, 419

Source: Bureau of the Census, Department of Commerce.

## No. 14.—AGE DISTRIBUTION: PERCENTAGES, BY STATES, 1910 AND 1920

[NOTE.—Per cent which persons of each age group form of total. Per cents based on total, including the small number of persons of unknown age, for whom percentages are not shown.]

Division and State	Per cent in age group—											
	Under 5 years		5 to 9 years		10 to 14 years		15 to 19 years		20 to 44 years		45 years and over	
	1910	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910	1920
<b>Continental United States</b> .....	11.4	10.8	10.6	10.3	9.9	10.1	9.9	8.9	39.0	38.4	18.9	20.8
<b>New England</b> .....	9.8	10.2	8.8	9.5	8.5	8.8	8.9	8.0	40.8	38.9	23.0	24.6
Maine.....	9.7	9.8	9.0	9.2	8.7	9.1	8.6	8.3	36.5	35.3	27.2	28.1
New Hampshire.....	9.2	9.3	8.6	9.0	8.4	8.8	8.6	7.9	37.7	36.2	27.1	28.6
Vermont.....	9.6	9.8	9.2	9.5	8.8	9.2	8.8	8.4	36.5	34.4	27.0	28.5
Massachusetts.....	9.8	10.0	8.8	9.3	8.5	8.7	8.8	7.8	42.2	39.9	21.9	24.1
Rhode Island.....	10.0	10.3	8.9	9.6	8.7	8.9	9.6	8.5	41.9	39.2	20.8	23.3
Connecticut.....	10.1	11.1	9.1	10.1	8.5	8.8	9.1	7.7	41.4	39.9	21.7	22.2
<b>Middle Atlantic</b> .....	10.8	10.8	8.4	10.1	8.9	9.2	8.2	8.2	41.8	40.2	19.8	21.7
New York.....	9.9	9.7	8.8	9.4	8.6	8.7	9.2	7.9	42.8	41.7	20.5	22.6
New Jersey.....	10.5	10.7	9.5	10.2	9.0	9.2	9.2	8.1	42.0	40.6	19.5	21.1
Pennsylvania.....	11.5	11.5	10.1	10.8	9.3	9.8	9.4	8.5	40.5	38.3	19.1	20.9
<b>East North Central</b> .....	10.5	10.3	8.7	9.8	8.4	9.1	9.8	8.3	39.5	38.6	21.2	22.5
Ohio.....	10.1	10.2	9.2	9.5	8.9	8.8	9.4	8.1	40.0	40.1	22.3	23.2
Indiana.....	10.2	9.9	9.8	9.7	9.5	9.4	9.6	8.7	38.3	37.4	22.5	24.8
Illinois.....	10.6	10.1	9.7	9.9	9.2	9.2	9.7	8.3	41.3	40.7	19.3	21.6
Michigan.....	10.6	11.0	9.8	10.0	9.2	8.9	9.5	8.1	38.3	40.2	22.4	21.7
Wisconsin.....	11.0	10.8	10.6	10.5	10.5	9.9	10.4	9.0	36.8	37.5	20.5	22.1
<b>West North Central</b> .....	11.3	10.7	10.8	10.5	10.1	10.0	10.2	9.1	37.9	37.9	19.3	21.7
Minnesota.....	10.9	11.0	10.6	10.4	10.3	9.8	10.4	9.2	39.0	38.8	18.5	20.8
Iowa.....	10.6	10.4	10.3	10.0	10.0	9.5	10.1	8.9	37.4	37.6	21.5	23.4
Missouri.....	10.9	9.6	10.3	9.9	9.8	9.8	10.1	9.0	38.9	38.3	19.7	23.2
North Dakota.....	14.3	14.1	12.1	13.3	10.3	11.6	9.6	9.5	39.6	35.6	13.6	15.9
South Dakota.....	12.6	12.5	11.5	11.7	10.3	10.4	10.0	9.3	38.9	37.7	16.5	18.0
Nebraska.....	11.8	11.0	10.7	10.8	10.2	10.2	10.4	9.2	38.0	38.1	18.7	20.4
Kansas.....	11.2	10.6	10.5	10.5	10.0	10.1	10.1	9.2	37.6	37.0	20.3	22.4
<b>South Atlantic</b> .....	12.8	12.4	12.5	12.5	11.4	11.7	10.8	10.1	35.6	35.7	18.2	17.6
Delaware.....	9.9	10.3	9.5	9.5	9.5	9.1	8.3	38.9	38.9	22.4	23.7	
Maryland.....	10.6	10.1	10.3	9.9	10.0	9.6	9.9	9.0	38.6	38.9	20.5	22.2
District of Columbia.....	8.1	7.0	7.6	6.8	7.4	6.8	8.5	7.7	46.5	48.5	21.5	22.8
Virginia.....	13.0	12.0	12.4	12.3	11.5	11.5	10.6	10.1	35.0	35.4	17.3	18.5
West Virginia.....	13.8	13.4	12.1	12.6	10.7	11.2	10.2	9.7	37.4	35.9	15.5	17.1
North Carolina.....	15.1	14.0	13.4	13.9	12.1	12.5	11.0	10.5	32.6	33.0	15.7	16.0
South Carolina.....	15.1	13.6	13.8	14.0	12.7	13.2	11.4	10.9	33.4	33.8	13.5	14.4
Georgia.....	14.4	12.5	13.2	13.2	12.1	12.6	10.7	10.6	34.7	34.9	14.6	15.0
Florida.....	12.9	10.9	12.1	11.5	10.7	11.0	10.1	9.5	39.0	37.5	14.8	19.4
<b>East South Central</b> .....	13.9	12.2	12.7	12.7	11.6	12.2	10.6	10.2	35.1	34.4	15.9	17.9
Kentucky.....	12.9	12.1	11.9	11.9	11.0	11.2	10.6	9.8	35.7	35.0	17.8	19.9
Tennessee.....	13.5	12.0	12.3	12.2	11.1	11.2	10.9	10.2	35.2	35.0	16.8	18.6
Alabama.....	14.1	12.8	13.3	13.6	11.8	12.2	10.7	10.4	34.4	34.0	14.9	15.4
Mississippi.....	14.4	12.1	13.6	13.2	12.2	13.2	10.9	10.7	34.8	34.3	12.7	16.2
<b>West South Central</b> .....	14.1	11.9	13.1	12.6	11.6	12.0	10.8	10.4	35.8	36.6	14.4	16.3
Arkansas.....	14.7	12.6	13.3	13.0	11.4	12.6	11.0	10.5	34.7	34.4	14.7	16.8
Louisiana.....	13.5	11.6	13.2	12.4	11.7	12.2	10.6	10.5	36.5	37.0	14.2	15.1
Oklahoma.....	14.6	12.5	13.1	12.9	11.2	12.2	10.5	10.3	36.2	35.8	14.1	16.2
Texas.....	13.6	11.4	13.1	12.3	11.7	11.7	10.9	10.5	35.9	37.7	14.5	16.2
<b>Mountain</b> .....	11.6	11.9	10.4	11.2	9.1	10.1	8.9	8.5	42.7	39.1	17.0	18.5
Montana.....	10.2	12.3	9.1	10.9	7.9	9.4	7.9	7.7	47.9	41.0	16.2	18.4
Idaho.....	12.4	12.6	11.1	11.9	9.8	10.6	9.3	8.9	40.8	37.4	16.2	18.3
Wyoming.....	10.5	11.6	8.9	10.7	7.4	9.0	7.9	7.6	51.1	44.4	14.0	16.2
Colorado.....	10.3	10.3	9.5	10.1	8.7	9.5	8.9	8.4	43.6	39.0	19.3	21.9
New Mexico.....	13.8	12.9	12.5	12.9	10.5	11.4	9.9	9.6	37.0	36.0	16.1	17.1
Arizona.....	12.1	12.2	10.7	11.3	8.9	9.6	8.5	8.5	43.8	41.6	15.7	16.2
Utah.....	14.1	13.7	12.3	12.6	10.7	11.5	10.0	9.7	37.4	36.8	15.1	16.7
Nevada.....	7.8	8.7	6.9	8.7	6.0	7.4	6.4	6.4	51.0	44.6	21.2	23.7
<b>Pacific</b> .....	8.8	8.5	7.9	8.7	7.7	8.0	8.5	7.4	45.3	42.0	21.5	25.1
Washington.....	9.5	9.3	8.7	9.5	8.1	8.7	8.7	7.8	45.5	41.6	18.5	22.8
Oregon.....	8.9	9.1	8.5	9.3	8.3	8.8	9.0	8.0	44.1	40.2	20.9	24.4
California.....	8.1	8.0	7.4	8.2	7.3	7.6	8.2	7.1	45.5	42.6	23.1	26.2

Source: Bureau of the Census, Department of Commerce.



## No. 15.—POPULATION:

[NOTE.—The census of 1870 in the Southern States

Division and State	1860			1880			1890 <sup>1</sup>	
	White	Negro	All other <sup>2</sup>	White	Negro	All other <sup>2</sup>	White	Negro
<b>Continental United States.</b>	<b>35,983,537</b>	<b>4,441,630</b>	<b>78,854</b>	<b>43,403,970</b>	<b>6,680,793</b>	<b>173,080</b>	<b>55,101,356</b>	<b>7,422,678</b>
<b>New England</b>	<b>3,110,480</b>	<b>84,711</b>	<b>93</b>	<b>3,968,789</b>	<b>39,935</b>	<b>1,815</b>	<b>4,683,191</b>	<b>44,580</b>
Maine	626,947	1,327	5	646,852	1,451	633	659,203	1,190
New Hampshire	325,579	494	—	346,229	685	77	375,840	614
Vermont	314,369	709	20	331,218	1,057	11	331,418	937
Massachusetts	1,221,432	9,602	32	1,763,792	18,697	606	2,215,373	22,144
Rhode Island	179,649	3,953	19	269,939	6,483	104	337,859	7,393
Connecticut	451,504	8,627	16	610,799	11,547	284	733,438	12,302
<b>Middle Atlantic</b>	<b>7,337,548</b>	<b>131,890</b>	<b>147</b>	<b>10,305,056</b>	<b>189,493</b>	<b>2,331</b>	<b>12,463,794</b>	<b>225,396</b>
New York	3,831,590	49,005	140	5,018,022	65,104	1,745	5,923,955	70,092
New Jersey	646,699	25,336	—	1,092,017	38,853	246	1,390,581	47,638
Pennsylvania	2,849,259	56,949	7	4,197,016	85,535	340	5,148,258	107,596
<b>East North Central</b>	<b>6,655,644</b>	<b>63,689</b>	<b>7,541</b>	<b>11,012,047</b>	<b>185,995</b>	<b>11,323</b>	<b>13,353,735</b>	<b>207,033</b>
Ohio	2,302,808	36,673	20	3,117,920	79,900	242	3,584,805	87,113
Indiana	1,338,710	11,428	290	1,938,798	39,228	275	2,146,736	45,215
Illinois	1,704,291	7,825	32	3,031,151	46,368	352	3,768,472	57,028
Michigan	736,142	6,799	6,172	1,614,560	15,100	7,277	2,072,884	15,223
Wisconsin	773,693	1,171	1,017	1,309,618	2,702	3,177	1,680,828	2,444
<b>West North Central</b>	<b>2,044,325</b>	<b>120,540</b>	<b>4,987</b>	<b>5,949,578</b>	<b>202,323</b>	<b>6,744</b>	<b>8,660,088</b>	<b>224,089</b>
Minnesota	169,395	259	2,369	776,884	1,554	2,325	1,296,408	3,652
Iowa	673,779	1,069	63	1,614,600	9,516	499	1,901,090	10,685
Missouri	1,063,469	118,503	20	2,022,826	145,350	204	2,528,458	180,184
North Dakota	12,576	—	12,201	38,192	113	604	182,407	373
South Dakota	—	—	—	96,955	263	1,025	328,010	541
Nebraska	28,006	82	63	449,764	2,385	253	1,047,006	8,913
Kansas	106,380	627	189	652,155	43,107	834	1,376,619	49,710
<b>South Atlantic</b>	<b>3,306,107</b>	<b>2,038,198</b>	<b>1,396</b>	<b>4,654,119</b>	<b>3,941,902</b>	<b>1,883</b>	<b>5,692,146</b>	<b>3,392,690</b>
Delaware	90,589	21,827	—	120,160	26,442	6	140,066	28,386
Maryland	515,918	171,181	—	724,693	210,230	20	826,493	215,657
District of Columbia	60,763	14,316	1	118,006	59,596	22	154,095	75,572
Virginia	1,047,299	548,907	112	880,858	631,616	91	1,020,122	636,438
West Virginia	—	—	—	592,537	26,896	34	730,077	32,690
North Carolina	629,942	361,522	1,168	867,242	531,277	1,231	1,055,382	561,018
South Carolina	291,300	412,320	88	391,105	604,332	140	462,006	688,934
Georgia	591,550	465,098	39	816,906	725,133	141	978,357	658,815
Florida	77,746	62,677	1	142,605	126,690	198	224,949	166,180
<b>East South Central</b>	<b>2,626,376</b>	<b>1,394,360</b>	<b>255</b>	<b>3,657,593</b>	<b>1,934,996</b>	<b>2,362</b>	<b>4,305,688</b>	<b>2,119,787</b>
Kentucky	919,484	236,167	33	1,377,179	271,451	60	1,590,462	268,071
Tennessee	826,722	283,019	60	1,138,831	403,151	377	1,336,637	430,678
Alabama	526,271	437,770	160	662,185	600,103	217	833,718	678,489
Mississippi	353,899	437,404	2	479,398	650,291	1,906	544,851	742,530
<b>West South Central</b>	<b>1,109,490</b>	<b>644,553</b>	<b>624</b>	<b>2,943,722</b>	<b>1,087,706</b>	<b>2,753</b>	<b>3,296,636</b>	<b>1,378,090</b>
Arkansas	324,143	111,259	48	591,631	210,666	328	818,752	309,117
Louisiana	357,456	350,373	173	454,954	483,655	1,337	558,395	559,193
Oklahoma <sup>2</sup>	—	—	—	—	—	—	172,554	21,609
Texas	420,891	182,921	403	1,107,237	393,384	1,126	1,745,935	488,171
<b>Mountain</b>	<b>164,092</b>	<b>235</b>	<b>10,596</b>	<b>614,831</b>	<b>5,083</b>	<b>33,376</b>	<b>1,117,383</b>	<b>12,971</b>
Montana	—	—	—	35,385	346	3,428	127,690	1,490
Idaho	—	—	—	29,013	53	3,544	82,117	201
Wyoming	—	—	—	19,437	298	1,054	59,324	929
Colorado	34,231	46	—	191,126	2,435	760	404,534	6,215
New Mexico	82,924	85	10,507	106,721	1,015	9,829	142,918	1,956
Arizona	—	—	—	35,160	155	5,125	55,734	1,357
Utah	40,125	50	89	142,423	232	1,308	205,925	588
Nevada	4,812	45	—	53,556	488	8,222	59,121	242
<b>Pacific</b>	<b>368,476</b>	<b>4,944</b>	<b>53,334</b>	<b>997,455</b>	<b>6,830</b>	<b>110,293</b>	<b>1,754,644</b>	<b>14,110</b>
Washington	11,138	30	426	67,199	325	7,592	340,829	1,602
Oregon	52,160	128	177	163,075	487	11,206	301,962	1,186
California	323,177	4,086	52,731	767,181	6,018	91,495	1,111,833	11,322

Includes population specially enumerated in Indian Territory and on Indian reservations.

Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated at censuses prior to 1890.

Source Bureau of the Census, Department of Commerce.

## RACE, BY STATES

was incomplete; consequently, 1880 is shown]

1880— Contd.	1890			1910			1920			Division and State
All other	White	Negro	All other	White	Negro	All other	White	Negro	All other	
257,728	65,000,196	3,323,394	351,345	51,731,937	8,227,783	412,548	64,890,918	10,463,181	498,374	U. S.
2,978	5,437,822	58,086	5,883	8,458,514	68,808	5,861	7,318,079	78,081	5,779	N. E.
622	692,226	1,319	921	739,965	1,363	1,013	765,695	1,310	1,009	Me.
76	410,791	623	135	429,906	564	102	442,331	621	131	N. H.
67	342,771	826	44	354,298	1,621	37	351,817	572	39	Vt.
1,430	2,789,784	31,974	3,008	3,324,926	38,055	3,435	3,808,524	45,466	3,366	Mass.
254	419,080	9,092	414	532,492	9,329	589	593,980	10,036	281	R. I.
518	892,424	15,226	770	1,098,997	15,174	685	1,358,732	21,046	853	Conn.
12,100	15,116,862	235,931	17,896	18,980,469	417,879	17,870	21,641,940	600,185	18,121	N. A.
9,127	7,156,881	99,232	12,781	8,908,845	134,191	12,578	10,172,027	196,463	14,717	N. Y.
714	1,812,317	69,844	1,508	2,445,894	89,760	1,513	3,037,087	117,132	1,681	N. J.
2,230	6,141,664	156,845	2,006	7,467,713	193,919	3,479	8,432,726	284,568	2,723	Pa.
17,637	16,719,063	357,848	17,884	17,937,639	300,836	22,183	20,938,963	514,554	22,127	E. E. C.
411	4,080,204	96,901	440	4,654,897	111,432	772	5,571,993	196,167	1,314	Ohio.
453	2,458,503	57,806	455	2,639,961	60,320	595	2,849,071	80,810	509	Ind.
852	4,734,873	85,078	1,699	5,526,962	109,049	2,580	6,299,333	182,274	3,673	Ill.
5,782	2,398,563	16,816	6,603	2,785,247	17,115	7,811	3,601,027	60,082	6,703	Mich.
10,008	2,057,911	2,542	8,589	2,320,555	2,900	10,405	2,616,938	5,201	9,928	Wis.
47,935	10,083,517	337,809	42,697	11,351,881	342,892	45,636	12,225,367	378,981	40,341	W. N. C.
10,192	1,737,036	4,959	9,299	2,069,237	7,084	9,397	2,368,986	8,809	9,380	Minn.
522	2,218,667	12,693	493	2,209,191	14,973	607	2,384,181	19,006	836	Iowa.
543	2,944,843	161,294	588	3,134,932	157,452	961	3,225,044	178,241	779	Mo.
8,203	311,712	296	7,148	569,855	617	0,584	639,954	467	6,451	N. Dak.
20,049	360,714	—	20,391	563,771	817	19,300	619,147	832	16,568	S. Dak.
6,647	1,056,526	6,360	2,505	1,180,293	7,689	4,232	1,279,219	13,242	3,911	Nebr.
1,779	1,416,319	52,009	2,173	1,634,352	54,080	2,567	1,706,906	57,926	2,426	Kans.
2,083	2,708,956	3,739,017	8,405	8,071,803	4,112,488	10,904	2,642,940	4,325,190	18,212	S. A.
41	152,977	30,697	61	171,102	31,181	39	192,615	30,335	53	Del.
340	952,424	235,064	556	1,062,539	232,250	457	1,204,737	244,479	445	Md.
125	191,532	86,702	484	236,128	94,446	495	326,860	109,966	745	D. C.
420	1,192,855	660,722	607	1,389,809	671,096	707	1,617,909	690,017	1,261	Va.
27	915,223	43,499	68	1,156,817	64,173	129	1,377,235	84,345	121	W. Va.
1,549	1,262,602	624,469	5,736	1,500,511	697,842	7,933	1,783,779	763,407	11,937	N. C.
307	557,807	782,321	168	679,161	835,943	396	818,538	864,719	467	S. C.
181	1,181,294	1,034,813	224	1,431,802	1,170,987	232	1,680,114	1,206,365	353	Ga.
293	297,333	230,730	479	443,634	308,609	316	638,153	329,487	830	Fla.
2,089	2,044,847	2,499,286	1,094	5,754,328	3,852,613	3,063	6,367,547	2,523,539	2,228	E. S. C.
102	1,862,309	254,706	159	2,027,951	261,666	296	2,160,560	235,928	132	Ky.
208	1,540,186	490,243	187	1,711,432	473,088	269	1,885,993	451,758	134	Tenn.
1,194	1,601,152	827,307	238	1,228,832	909,282	979	1,447,032	900,632	490	Ala.
2,190	641,300	907,630	2,440	786,111	1,009,487	1,516	853,962	935,184	1,472	Miss.
67,257	4,771,065	1,694,088	67,159	8,731,491	1,964,426	78,617	8,115,737	2,063,579	62,918	W. S. C.
242	944,580	366,856	128	1,131,036	442,891	532	1,279,767	472,220	227	Ark.
1,000	722,612	650,804	1,209	941,086	713,874	1,428	1,060,611	700,257	1,641	La.
64,494	670,204	55,684	64,503	1,444,531	137,612	75,012	1,821,194	149,408	57,681	Okla.
1,421	2,426,669	620,722	1,319	3,204,848	690,049	1,645	3,918,165	741,694	3,369	Tex.
23,001	1,579,855	16,890	79,213	2,520,465	21,467	61,696	3,212,899	30,801	92,401	W.
13,744	229,263	1,523	15,523	360,580	1,834	13,639	534,260	1,655	12,971	Mont.
6,230	154,496	293	6,984	319,221	651	5,722	425,665	920	5,278	Idaho.
2,309	89,051	940	2,540	140,318	2,235	3,412	190,146	1,375	2,881	Wyo.
2,500	529,046	8,570	2,084	783,415	11,453	4,156	924,103	11,318	4,204	Colo.
16,408	180,207	1,610	13,493	304,594	1,628	21,079	334,673	5,723	19,944	N. Mex.
31,152	92,903	1,848	28,180	171,468	2,009	30,877	281,449	8,005	34,708	Ariz.
4,286	272,465	672	3,612	306,583	1,144	5,624	441,901	1,446	6,049	Utah.
7,992	35,405	134	6,796	74,276	513	7,086	70,609	346	6,362	Nev.
119,960	2,293,613	16,664	108,415	4,083,873	29,195	139,236	3,353,634	47,790	163,447	Pac.
14,801	496,204	2,514	19,286	1,109,111	6,068	26,821	1,319,777	6,863	29,961	Wash.
14,536	394,582	1,105	17,649	655,090	1,492	16,183	769,146	2,144	12,099	Oreg.
98,243	1,402,737	11,045	71,261	2,259,672	21,645	96,232	3,264,711	38,763	123,387	Calif.

\* Dakota Territory: see footnote 5, Table 10.

\* Area now constituting West Virginia formed part of Virginia in 1860.

\* Includes population of Indian Territory for 1890 and 1900.

## No. 16.—RACE, NATIVITY.

[Note.—For total white

Division and State	Native-white						Foreign-born white
	Native parentage		Foreign parentage		Mixed native and foreign parentage		
	1900	1920	1910	1920	1910	1920	
Continental United States.	42,428,575	50,421,957	12,916,311	15,094,539	5,961,596	6,991,065	13,345,545
New England	2,613,419	2,809,149	1,460,585	1,808,340	582,144	725,938	1,214,286
Maine	494,907	495,780	73,455	86,150	51,500	75,416	110,133
New Hampshire	230,231	225,512	67,601	81,039	35,516	44,547	96,558
Vermont	229,382	228,325	39,507	42,100	35,548	36,866	49,961
Massachusetts	1,103,429	1,230,773	546,820	1,093,258	323,627	401,959	1,061,050
Rhode Island	130,821	173,553	144,270	182,660	50,376	64,268	178,025
Connecticut	395,649	449,206	258,912	421,133	85,577	111,880	328,759
Middle Atlantic	8,463,961	9,631,012	4,113,076	5,397,951	1,478,836	1,700,309	4,836,179
New York	3,230,325	3,668,266	2,241,837	2,844,063	765,411	873,568	2,729,272
New Jersey	1,009,909	1,212,675	576,011	829,058	201,786	256,741	658,188
Pennsylvania	4,222,727	4,750,071	1,295,228	1,724,810	511,039	569,995	1,438,719
East North Central	9,751,968	11,720,370	3,450,018	4,043,693	1,658,419	1,881,521	3,067,290
Ohio	3,033,259	3,659,122	871,275	1,038,251	353,118	385,823	597,245
Indiana	2,130,088	2,329,544	211,008	227,066	139,543	141,593	159,322
Illinois	2,600,555	3,006,563	1,232,155	1,467,036	491,692	558,783	1,302,560
Michigan	1,224,841	1,670,447	611,319	775,288	353,563	429,257	595,524
Wisconsin	763,225	1,064,694	724,258	736,051	320,503	366,065	512,509
West North Central	8,623,687	7,476,548	2,102,703	2,194,126	1,112,000	1,251,759	1,613,261
Minnesota	575,081	827,627	667,460	706,126	273,676	347,019	543,010
Iowa	1,303,526	1,528,533	396,541	376,710	236,640	253,271	273,464
Missouri	2,387,635	2,536,936	312,027	300,064	206,174	202,018	228,806
North Dakota	162,461	207,966	180,054	203,973	71,182	96,512	166,158
South Dakota	245,652	308,598	143,045	141,341	74,446	86,917	103,628
Nebraska	642,075	787,004	234,670	231,948	127,063	140,555	175,865
Kansas	1,207,057	1,308,904	169,908	163,964	122,199	125,560	135,190
South Atlantic	7,341,305	6,779,418	274,451	353,643	166,398	196,961	290,855
Delaware	127,809	139,876	17,566	23,288	8,307	9,641	17,420
Maryland	766,627	803,088	130,321	143,203	61,517	66,269	104,174
Dist. of Columbia	166,711	239,488	26,522	35,129	18,544	23,696	34,351
Virginia	1,325,238	1,534,494	21,613	30,514	16,830	22,116	26,628
West Virginia	1,042,107	1,232,857	35,407	56,626	23,281	25,847	37,072
North Carolina	1,485,718	1,765,303	3,896	5,787	4,966	5,740	5,942
South Carolina	601,970	799,418	5,769	7,025	5,378	5,694	6,054
Georgia	1,391,656	1,642,697	13,232	16,371	12,440	13,660	13,072
Florida	373,967	532,295	20,145	35,751	15,680	27,099	33,842
East South Central	5,456,492	6,092,783	123,915	116,484	91,063	87,342	96,837
Kentucky	1,863,194	2,039,134	76,528	68,931	48,181	44,715	40,653
Tennessee	1,654,606	1,832,757	20,572	20,423	17,795	17,335	18,469
Alabama	1,177,459	1,394,129	17,667	19,591	14,750	15,650	16,956
Mississippi	757,223	826,762	9,153	9,539	10,336	9,642	9,380
West South Central	5,767,446	6,980,783	364,083	415,799	241,261	280,810	348,750
Arkansas	1,077,509	1,226,692	18,387	19,030	18,221	20,060	16,909
Louisiana	776,587	941,724	68,380	67,016	44,328	43,000	51,782
Oklahoma	1,310,403	1,679,107	49,877	53,083	44,187	49,026	60,084
Texas	2,602,950	3,112,262	227,379	276,670	134,535	168,714	239,984
Mountain	1,466,684	2,003,508	370,000	461,133	248,918	306,054	436,910
Montana	162,127	275,803	68,606	101,918	38,203	62,919	91,644
Idaho	203,599	244,252	40,075	47,920	35,120	44,533	40,427
Wyoming	80,696	122,884	19,761	25,234	12,753	16,773	27,118
Colorado	475,136	603,041	114,747	130,059	66,681	74,049	126,851
New Mexico	255,609	273,317	14,410	18,865	11,921	13,414	22,654
Arizona	82,468	151,145	26,117	39,534	16,056	22,671	46,824
Utah	171,663	245,781	73,983	75,901	57,544	63,744	63,393
Nevada	35,326	36,285	12,320	11,701	8,631	7,911	17,999
Pacific	2,106,770	2,687,887	857,546	884,372	396,110	545,007	661,448
Washington	585,386	711,706	174,845	214,614	107,683	143,398	241,197
Oregon	416,851	497,726	79,338	95,827	55,902	73,442	103,001
California	1,106,533	1,677,955	403,364	573,927	232,525	331,167	517,250

Source: Bureau of the Census, Department of Commerce.

## AND PARENTAGE, BY STATES

population see Table 15]

Foreign-born white—Continued	Negro		Indian		Chinese		Japanese		Division and State
	1910	1920	1910	1920	1910	1920	1910	1920	
12,712,734	9,827,783	10,469,131	946,863	944,437	71,531	61,639	73,187	111,010	U. S.
1,876,864	68,306	78,061	2,078	1,715	3,499	2,803	273	247	N. E.
167,349	1,363	1,310	892	839	108	161	13	7	Me.
91,223	564	621	34	28	67	95	1	8	N. H.
44,526	1,631	572	26	24	8	11	3	4	Vt.
1,077,534	38,053	45,466	688	535	2,582	2,544	151	191	Main.
173,490	9,529	10,036	284	110	272	225	33	35	R. I.
376,513	15,174	21,046	152	150	462	566	71	102	Conn.
4,812,676	417,870	600,183	7,717	5,940	8,189	8,812	1,247	2,686	N. A.
2,786,112	134,191	198,463	6,046	5,503	5,366	5,798	206	325	N. Y.
738,613	39,760	117,132	168	100	1,139	1,190	190	255	N. J.
1,367,850	193,919	284,568	1,503	337	1,784	1,829	190	255	Pa.
2,234,373	300,836	514,534	18,255	15,695	5,415	5,043	489	987	E. N. C.
678,697	111,452	186,187	127	151	569	941	76	130	Ohio.
150,868	60,320	80,810	379	125	276	263	38	81	Ind.
1,208,951	109,049	182,274	188	194	2,103	2,776	285	472	Ill.
726,635	17,115	60,082	7,519	3,614	241	792	49	184	Mich.
460,128	2,900	5,201	10,142	9,611	226	■	24	60	Wis.
1,371,961	942,669	278,521	41,406	37,363	1,195	1,678	1,000	1,218	W. N. C.
486,164	7,064	8,809	9,053	8,761	275	508	67	85	Minn.
225,647	14,973	19,005	471	529	■	235	36	■	Iowa.
186,026	157,452	178,241	213	171	535	412	99	135	Mo.
131,563	617	467	6,496	6,264	39	124	59	72	N. Dak.
62,391	817	632	19,137	16,384	121	142	42	38	S. Dak.
149,652	7,689	13,242	3,502	■	112	189	590	804	Nebr.
110,578	54,030	57,925	2,444	2,276	16	68	107	52	Kans.
313,980	4,112,488	4,385,120	9,064	12,678	1,582	1,934	156	380	S. A.
19,810	31,181	30,335	6	2	30	43	4	8	Del.
102,177	232,250	244,479	55	22	378	371	24	29	Md.
28,548	94,446	109,966	68	37	369	481	47	103	D. C.
30,785	671,096	690,017	539	■	154	278	14	56	Va.
61,906	64,173	86,345	36	7	90	■	3	10	W. Va.
7,099	697,843	763,407	7,851	11,824	80	88	2	24	N. C.
6,401	635,843	804,719	331	304	57	98	8	15	S. C.
16,186	1,176,987	1,208,365	95	125	233	211	4	9	Ga.
43,008	308,669	329,487	74	518	191	181	50	■	Fla.
71,839	3,668,513	3,533,532	3,619	1,033	414	543	26	32	E. S. C.
30,780	261,656	235,938	234	57	52	■	■	9	Ky.
15,478	473,068	451,758	216	56	■	57	8	8	Tenn.
17,662	908,282	900,652	909	406	62	59	4	18	Ala.
8,019	1,009,487	935,184	1,253	1,106	257	304	2	■	Miss.
460,333	1,984,426	2,063,579	76,767	80,618	1,303	1,534	■	578	W. S. C.
13,975	442,891	472,220	480	106	62	113	9	5	Ark.
44,671	713,874	700,257	780	1,066	507	387	31	57	La.
29,968	137,612	149,408	74,825	57,337	139	261	48	67	Okla.
300,519	690,049	741,694	702	2,109	595	773	340	■	Tex.
486,233	21,467	30,801	75,338	76,889	5,614	4,539	10,447	10,792	Wt.
93,620	1,834	1,658	10,746	10,956	1,285	■	1,585	1,074	Mont.
38,963	631	920	3,468	3,098	859	585	1,363	1,569	Idaho.
25,255	2,235	1,375	1,486	1,343	246	252	1,596	1,194	Wyo.
116,964	11,453	11,318	1,482	1,383	373	291	2,300	2,464	Colo.
29,077	1,628	5,733	20,573	19,512	248	171	258	251	N. Mex.
78,099	2,009	8,005	29,201	32,989	1,306	1,137	371	■	Ariz.
56,455	1,144	1,446	3,123	2,711	371	342	2,110	2,936	Utah.
14,802	513	346	5,240	4,907	927	689	864	754	Nov.
1,683,888	29,193	47,790	39,458	31,011	46,320	34,265	57,703	63,490	Pac.
250,055	6,058	6,883	10,997	9,061	2,709	2,363	12,929	17,357	Wash.
102,151	1,492	2,144	6,090	4,590	7,863	3,090	3,418	4,151	Oreg.
681,682	21,645	28,768	16,371	17,360	■	28,812	41,356	71,952	Calif.

## POPULATION—SEX AND RACE

## No. 17.—SEX DISTRIBUTION, BY RACE.

Division and State	Total population						Native white, 1920		
	1910		1920		Males per 100 females		Male	Female	Males per 100 females
	Male	Female	Male	Female	1910	1920			
<b>Continental United States.</b>	47,222,277	44,629,222	53,900,431	51,810,180	104.0	104.0	40,202,222	40,206,222	101.7
<b>New England</b>	3,245,114	3,247,567	3,672,501	3,728,315	99.3	99.3	2,682,173	2,723,250	97.1
Maine	377,052	363,319	398,752	379,262	103.2	102.5	331,648	326,038	101.5
New Hampshire	216,290	214,282	222,112	220,971	100.9	100.5	174,823	176,275	99.2
Vermont	182,808	173,388	178,854	173,574	103.3	103.0	154,793	152,496	101.5
Massachusetts	1,655,248	1,711,168	1,890,014	1,962,342	96.7	96.3	1,330,908	1,394,902	95.4
Rhode Island	270,314	272,298	297,524	306,873	94.3	97.0	205,967	214,514	96.0
Connecticut	663,642	551,114	695,835	685,296	102.3	101.5	483,946	498,273	97.1
<b>Middle Atlantic</b>	2,812,906	2,802,896	3,204,445	3,054,899	103.3	101.4	2,272,922	2,454,342	97.0
New York	4,584,597	4,529,017	5,187,350	5,197,877	101.2	99.8	3,638,435	3,747,480	97.1
New Jersey	1,286,463	1,250,704	1,590,075	1,565,825	102.9	101.5	1,139,491	1,158,083	98.2
Pennsylvania	3,042,206	3,722,906	4,429,020	4,290,997	105.9	103.2	3,494,006	3,549,890	98.5
<b>East North Central</b>	2,392,639	2,357,733	2,633,041	2,640,508	106.0	106.7	2,038,715	2,076,898	101.0
Ohio	2,434,758	2,332,363	2,953,960	2,803,414	104.4	105.4	2,463,320	2,429,876	101.4
Indiana	1,383,295	1,317,581	1,499,074	1,441,316	105.0	103.3	1,308,645	1,329,538	101.4
Illinois	2,911,674	2,726,917	3,304,833	3,180,447	108.8	103.9	2,550,509	2,541,873	100.2
Michigan	1,454,534	1,355,639	1,928,436	1,739,976	107.3	110.8	1,476,450	1,398,523	106.0
Wisconsin	1,208,578	1,125,282	1,356,718	1,275,349	107.4	106.4	1,089,782	1,067,029	102.1
<b>West North Central</b>	2,092,683	2,045,086	2,459,087	2,406,132	109.9	108.1	2,014,722	2,039,704	100.2
Minnesota	1,108,511	967,197	1,245,537	1,141,588	114.6	109.1	987,140	923,632	102.4
Iowa	1,148,171	1,070,600	1,229,362	1,174,629	106.6	104.7	1,091,646	1,066,882	102.2
Missouri	1,687,812	1,605,522	1,733,319	1,680,736	105.1	102.6	1,526,279	1,510,739	101.2
North Dakota	317,554	290,502	341,673	305,190	122.4	112.0	262,645	245,600	106.9
South Dakota	317,112	266,776	337,120	299,427	118.9	112.6	280,887	256,169	109.5
Nebraska	677,782	564,432	672,808	622,567	111.2	107.9	578,653	550,614	105.1
Kansas	885,912	805,087	908,221	840,036	110.0	106.7	813,472	782,886	104.2
<b>South Atlantic</b>	2,124,603	2,090,290	2,335,843	2,254,429	101.2	101.2	1,708,147	1,694,873	101.0
Delaware	103,435	98,887	113,755	109,248	104.6	104.1	80,680	86,125	100.6
Maryland	444,225	451,121	470,455	473,206	94.9	101.3	550,973	551,587	99.9
District of Columbia	158,050	173,019	203,543	234,028	91.3	87.0	136,889	161,423	84.8
Virginia	1,035,348	1,020,264	1,169,402	1,140,665	100.9	102.4	806,082	791,042	102.2
West Virginia	644,044	577,075	763,100	700,401	111.6	108.9	673,969	641,370	105.1
North Carolina	1,098,476	1,107,811	1,279,062	1,280,061	99.2	99.9	894,090	881,990	101.4
South Carolina	751,842	763,548	838,263	845,441	98.5	99.2	411,728	400,409	102.8
Georgia	1,305,019	1,304,102	1,444,823	1,451,009	100.1	99.6	844,103	828,823	101.6
Florida	394,166	358,453	495,320	473,150	110.0	104.7	303,041	292,104	103.7
<b>East South Central</b>	2,245,189	2,184,722	2,471,090	2,421,017	101.9	101.1	2,164,419	2,111,189	102.4
Kentucky	1,191,709	1,129,196	1,227,494	1,189,136	103.0	103.2	1,091,374	1,058,406	103.1
Tennessee	1,103,491	1,061,204	1,173,997	1,163,918	102.1	100.9	942,203	928,312	101.5
Alabama	1,074,209	1,063,894	1,172,105	1,175,069	101.0	99.8	722,414	706,956	102.2
Mississippi	905,780	891,354	897,124	893,494	101.8	100.4	428,426	417,515	102.6
<b>West South Central</b>	2,544,603	2,540,029	2,985,829	2,978,395	107.2	106.8	2,343,100	2,318,294	100.8
Arkansas	810,026	764,423	895,228	850,976	106.0	104.5	649,578	618,204	105.4
Louisiana	835,275	821,113	903,235	895,174	101.7	100.9	530,090	521,050	101.9
Oklahoma	881,578	775,577	1,068,044	970,239	111.7	109.0	927,760	853,406	108.7
Texas	2,017,626	1,878,916	2,409,222	2,254,006	107.4	101.9	1,835,072	1,722,574	106.5
<b>Mountain</b>	1,478,018	1,155,499	1,798,290	1,546,802	127.9	115.7	1,448,336	1,313,236	110.1
Montana	226,872	149,181	299,941	248,948	152.1	120.5	233,363	207,277	112.6
Idaho	185,546	140,048	234,919	197,947	152.5	118.2	206,259	181,446	113.1
Wyoming	91,070	64,295	110,359	84,043	129.3	131.3	90,567	74,324	121.9
Colorado	430,697	369,327	492,731	446,896	110.9	110.3	416,026	331,123	106.6
New Mexico	175,245	152,056	190,456	169,894	115.3	112.1	158,506	147,091	107.8
Arizona	118,574	85,780	131,602	150,500	128.2	121.9	114,688	98,602	116.2
Utah	196,863	170,498	232,051	217,345	111.5	106.8	196,257	199,090	103.2
Nevada	52,561	29,324	46,240	31,167	172.2	145.4	31,871	24,326	129.8
<b>Pacific</b>	2,365,806	1,828,298	2,994,624	2,602,943	129.6	118.9	2,211,797	2,107,989	104.8
Washington	658,663	483,327	734,701	621,920	136.3	118.1	558,675	511,147	109.2
Oregon	384,265	284,800	416,384	367,055	133.2	113.4	344,849	322,146	107.0
California	1,322,978	1,054,571	1,813,591	1,613,270	125.5	112.4	1,306,273	1,274,576	102.6

Source: Bureau of the Census, Department of Commerce.

## AND NATIVITY, BY STATES

Foreign-born white, 1920			Negro, 1920			Indian, 1920		Chinese, 1920		Japanese, 1920		Division and State
Male	Fe- male	Males per 100 fe- males	Male	Fe- male	Males per 100 fe- males	Male	Fe- male	Male	Fe- male	Male	Fe- male	
7, 533, 323	6, 134, 423	121.7	5, 208, 436	3, 533, 535	99.3	135, 063	113, 200	63, 831	7, 743	72, 707	33, 303	U. S.
204, 736	194, 913	105.0	40, 153	38, 896	103.2	843	867	3, 301	301	284	63	N. E.
55, 807	51, 342	108.7	716	594	119.5	420	419	153	8	7	2	Me.
46, 844	44, 359	105.5	333	285	115.6	13	15	93	2	6	2	N. H.
27, 711	20, 815	133.0	320	252	127.0	15	9	11	—	4	—	Vt.
533, 319	544, 215	96.0	22, 912	22, 554	101.6	262	283	2, 307	237	149	42	Mass.
85, 164	87, 323	96.7	5, 006	4, 940	101.3	59	51	201	24	31	4	R. I.
199, 801	176, 622	113.2	10, 778	10, 265	105.0	79	80	336	30	87	15	Conn.
2, 617, 404	2, 285, 000	114.1	301, 147	286, 036	105.3	3, 068	2, 672	8, 087	745	2, 647	311	M. A.
1, 442, 675	1, 343, 537	107.4	95, 418	103, 065	92.6	2, 816	2, 087	5, 240	553	2, 190	496	N. Y.
391, 655	346, 958	112.9	57, 432	59, 700	96.2	56	44	1, 132	58	247	78	N. J.
763, 336	604, 514	126.0	148, 297	136, 271	108.8	196	141	1, 095	134	210	45	Pa.
1, 000, 334	1, 413, 845	138.0	373, 038	341, 323	112.0	8, 100	7, 629	4, 623	420	750	177	E. N. C.
301, 844	267, 353	135.2	100, 160	86, 627	115.4	94	57	876	65	104	25	Ohio.
68, 180	62, 668	140.7	41, 817	38, 993	107.2	73	52	276	7	66	15	Ind.
457, 264	549, 687	119.6	93, 835	88, 439	106.1	108	86	2, 523	253	374	98	Ill.
413, 806	312, 629	132.3	34, 249	25, 833	132.6	2, 941	2, 673	717	75	162	22	Mich.
286, 740	201, 388	142.3	2, 965	2, 236	132.6	4, 950	4, 661	231	20	44	16	Wis.
778, 023	664, 930	131.4	143, 762	134, 789	106.7	18, 930	18, 237	1, 525	153	946	209	W. N. C.
278, 588	207, 576	134.2	4, 851	3, 958	122.6	4, 424	4, 337	448	60	66	19	Minn.
127, 065	98, 582	128.9	10, 121	8, 884	113.9	280	249	218	17	23	6	Iowa.
103, 416	62, 006	125.2	90, 901	87, 260	104.3	87	64	383	29	115	20	Mo.
73, 366	56, 117	134.2	276	191	144.5	3, 183	3, 071	119	8	62	9	N. Dak.
47, 610	34, 781	136.9	475	357	133.1	5, 295	8, 089	124	19	26	12	S. Dak.
64, 277	65, 375	128.9	7, 309	5, 933	123.2	1, 459	1, 420	169	30	611	193	Nebr.
62, 676	67, 900	130.9	29, 739	28, 186	106.5	1, 198	1, 078	64	4	42	10	Kans.
164, 143	130, 777	141.0	133, 377	101, 743	97.3	6, 923	6, 750	1, 638	186	285	75	S. A.
11, 369	8, 441	134.7	15, 655	14, 680	106.6	2	—	41	2	5	—	Del.
54, 628	47, 549	114.9	123, 453	121, 026	102.0	18	14	350	21	22	7	Md.
15, 142	13, 400	112.0	50, 855	59, 111	86.0	20	17	417	44	90	13	D. C.
19, 061	11, 734	162.4	342, 536	347, 481	98.6	423	401	254	24	45	11	Va.
41, 910	19, 966	209.6	47, 129	39, 216	120.2	4	3	85	13	9	1	W. Va.
4, 341	2, 758	157.4	373, 900	389, 442	96.0	5, 972	5, 562	75	13	18	6	N. C.
4, 065	2, 306	177.0	422, 185	442, 534	95.4	143	—	76	17	11	4	S. C.
10, 004	6, 182	161.8	590, 443	615, 923	95.9	68	57	187	24	9	—	Ga.
24, 600	18, 405	133.7	167, 156	162, 331	103.0	271	247	153	28	73	33	Fla.
42, 003	29, 846	141.0	1, 343, 795	1, 279, 737	97.2	864	—	474	67	97	8	E. S. C.
17, 479	13, 301	131.4	118, 548	117, 390	101.0	27	30	56	6	7	2	Ky.
9, 021	6, 457	139.7	222, 639	229, 119	97.2	33	—	51	6	7	1	Tenn.
10, 625	7, 037	151.0	439, 779	460, 873	95.4	211	194	85	4	13	5	Ala.
4, 906	3, 051	162.8	462, 829	472, 355	98.0	583	522	315	51	—	—	Miss.
200, 777	190, 556	131.2	1, 029, 457	1, 034, 122	99.5	30, 542	30, 076	1, 402	123	—	175	W. S. C.
8, 501	5, 384	159.6	236, 845	235, 323	100.7	61	45	97	16	2	2	Ark.
26, 908	18, 063	148.4	344, 794	355, 463	97.0	550	516	346	41	48	9	La.
24, 931	15, 037	165.8	76, 294	73, 114	104.3	28, 760	28, 567	243	18	54	13	Okla.
200, 447	160, 072	125.2	371, 474	370, 230	100.3	1, 181	928	716	57	300	149	Tex.
271, 373	181, 869	149.8	19, 790	11, 075	178.1	39, 603	37, 096	3, 913	—	7, 825	2, 967	Mt.
36, 229	35, 391	102.3	962	690	139.2	5, 679	5, 277	805	67	842	232	Mont.
34, 877	14, 066	176.6	585	335	174.6	1, 577	1, 521	542	43	1, 058	511	Idaho.
16, 934	6, 321	263.8	883	512	168.6	715	628	246	6	952	242	Wyo.
68, 219	48, 735	140.0	5, 634	5, 484	102.4	734	649	252	39	1, 601	863	Colo.
16, 845	12, 232	137.7	4, 593	1, 140	402.9	10, 149	9, 363	161	10	200	51	N. Mex.
44, 667	32, 442	133.8	5, 650	2, 146	273.0	17, 028	15, 961	963	174	383	167	Ariz.
30, 875	25, 680	120.7	834	612	136.3	1, 442	1, 269	314	28	2, 174	762	Utah.
10, 737	4, 065	264.1	196	150	130.7	2, 479	2, 428	630	59	615	139	Nev.
617, 571	416, 840	148.2	24, 991	22, 799	109.6	16, 938	15, 073	26, 947	5, 313	59, 538	33, 862	Pac.
153, 118	96, 827	158.0	3, 967	2, 926	135.2	4, 552	4, 509	2, 088	275	11, 322	6, 065	Wash.
62, 310	39, 641	156.4	1, 197	947	126.4	2, 301	2, 289	2, 029	461	2, 802	1, 349	Oreg.
401, 820	276, 512	145.6	19, 837	18, 936	104.8	9, 085	8, 275	24, 230	4, 522	45, 414	26, 538	Calif.

## No. 18.—PERSONS 21 YEARS OF AGE AND OVER, BY CLASSES AND

Division and State	Persons 21 years of age and over						
	All classes			Native white			
	Total	Male	Female	Total		Native percentage	
				Male	Female	Male	Female
<b>Continental United States.</b>	<b>60,886,690</b>	<b>31,403,370</b>	<b>29,483,320</b>	<b>31,513,948</b>	<b>31,100,793</b>	<b>15,904,063</b>	<b>15,308,184</b>
<b>New England.</b>	<b>4,591,477</b>	<b>2,269,535</b>	<b>2,321,942</b>	<b>1,372,841</b>	<b>1,466,696</b>	<b>341,957</b>	<b>373,707</b>
Maine	475,191	241,778	233,413	191,540	187,816	156,580	153,041
New Hampshire	281,026	141,204	139,822	98,448	100,033	73,113	73,232
Vermont	217,042	110,378	106,664	89,697	88,745	68,251	66,894
Massachusetts	2,411,507	1,172,359	1,239,148	663,262	726,179	300,344	389,517
Rhode Island	308,637	179,720	188,917	97,955	106,961	49,559	52,202
Connecticut	838,074	424,216	413,858	231,739	246,962	134,210	138,831
<b>Middle Atlantic.</b>	<b>13,451,656</b>	<b>6,802,663</b>	<b>6,648,993</b>	<b>4,173,591</b>	<b>4,375,445</b>	<b>2,701,397</b>	<b>2,771,694</b>
New York	6,514,681	3,255,503	3,259,178	1,858,523	1,974,329	1,065,138	1,068,608
New Jersey	1,897,884	960,837	937,047	561,055	584,451	344,006	350,444
Pennsylvania	5,039,091	2,586,323	2,452,768	1,753,943	1,817,665	1,301,664	1,334,582
<b>East North Central.</b>	<b>13,035,883</b>	<b>6,777,780</b>	<b>6,247,806</b>	<b>4,584,996</b>	<b>4,791,930</b>	<b>3,247,831</b>	<b>3,109,306</b>
Ohio	3,558,481	1,847,319	1,711,162	1,411,920	1,395,954	1,068,943	1,031,366
Indiana	1,779,820	909,203	870,617	797,256	787,820	674,607	661,368
Illinois	3,944,197	2,028,852	1,915,345	1,344,319	1,350,358	822,102	797,875
Michigan	2,215,436	1,192,158	1,023,278	781,937	722,970	467,192	416,493
Wisconsin	1,527,681	800,258	727,423	549,654	534,828	214,387	202,706
<b>West North Central.</b>	<b>7,278,348</b>	<b>3,506,137</b>	<b>3,472,411</b>	<b>2,855,933</b>	<b>2,821,942</b>	<b>1,934,563</b>	<b>1,922,551</b>
Minnesota	1,380,834	738,332	642,502	465,001	441,809	174,581	157,617
Iowa	1,428,682	737,829	690,853	609,085	591,995	397,210	381,037
Missouri	2,038,814	1,038,472	1,000,342	877,138	866,175	609,238	677,197
North Dakota	322,918	178,148	144,770	106,124	92,221	42,011	35,080
South Dakota	344,846	188,852	155,994	138,766	118,829	72,230	59,982
Nebraska	738,310	360,287	348,023	303,680	282,073	191,206	174,983
Kansas	1,024,144	534,187	489,957	456,139	428,846	350,087	337,615
<b>South Atlantic.</b>	<b>7,312,523</b>	<b>3,646,704</b>	<b>3,565,819</b>	<b>2,420,351</b>	<b>2,395,309</b>	<b>2,369,647</b>	<b>2,336,604</b>
Delaware	136,521	70,580	65,941	50,261	49,853	42,726	41,742
Maryland	862,391	433,857	428,534	310,049	318,339	251,197	252,535
District of Columbia	305,253	139,800	165,453	91,359	113,445	73,134	90,647
Virginia	1,207,074	613,553	593,421	419,652	407,620	404,290	394,296
West Virginia	752,344	403,572	348,772	335,192	310,449	317,118	292,993
North Carolina	1,210,727	603,683	607,044	420,840	426,727	420,660	423,513
South Carolina	779,901	389,199	390,792	201,683	195,172	197,542	191,279
Georgia	1,421,606	711,760	709,846	419,440	411,732	409,711	402,343
Florida	536,614	280,600	256,014	162,876	153,871	147,269	137,645
<b>East South Central.</b>	<b>4,523,944</b>	<b>2,282,634</b>	<b>2,241,311</b>	<b>1,606,459</b>	<b>1,564,958</b>	<b>1,536,640</b>	<b>1,488,142</b>
Kentucky	1,289,496	637,853	631,013	567,894	548,143	526,442	500,910
Tennessee	1,214,947	609,547	605,400	480,087	475,038	467,349	461,749
Alabama	1,143,395	573,892	569,503	348,008	337,918	338,268	327,815
Mississippi	876,106	441,331	434,775	210,470	203,859	204,581	197,668
<b>West South Central.</b>	<b>5,243,779</b>	<b>2,766,430</b>	<b>2,487,349</b>	<b>1,904,472</b>	<b>1,802,351</b>	<b>1,802,048</b>	<b>1,621,633</b>
Arkansas	861,292	452,177	415,115	319,949	291,788	306,174	280,307
Louisiana	924,184	469,669	454,515	265,526	257,263	233,307	220,012
Oklahoma	1,021,588	550,172	471,416	474,736	410,010	440,096	380,973
Texas	2,436,715	1,294,412	1,146,303	934,262	843,290	822,471	740,541
<b>Mountain.</b>	<b>1,988,921</b>	<b>1,057,368</b>	<b>931,553</b>	<b>770,069</b>	<b>661,790</b>	<b>663,726</b>	<b>456,246</b>
Montana	320,562	184,090	135,863	125,276	101,079	70,834	61,595
Idaho	234,076	132,959	101,117	106,890	86,928	70,341	61,768
Wyoming	115,739	69,857	45,882	51,871	37,754	38,944	27,399
Colorado	584,529	303,782	280,747	235,639	213,142	180,292	158,047
New Mexico	185,186	102,522	82,664	80,082	69,142	72,280	62,363
Arizona	187,929	109,361	78,568	61,327	47,329	47,402	35,439
Utah	228,682	120,875	107,807	88,590	82,779	45,436	41,397
Nevada	52,218	33,313	18,905	20,388	13,037	13,177	8,338
<b>Pacific.</b>	<b>2,670,077</b>	<b>1,003,970</b>	<b>1,666,107</b>	<b>1,336,516</b>	<b>1,949,472</b>	<b>916,854</b>	<b>830,810</b>
Washington	857,079	482,137	374,942	322,456	279,032	220,779	185,766
Oregon	494,968	270,953	224,015	205,722	185,001	153,332	136,123
California	2,318,030	1,250,880	1,067,150	807,338	784,839	542,743	510,022

Source: Bureau of the Census, Department of Commerce.



## SEX, AND MALES 18 TO 44 YEARS OF AGE: BY STATES, 1920

Persons 21 years of age and over—Continued								Males 18 to 44 years of age	Division and State
Native white—Con.		Foreign-born white		Negro		All other			
Foreign or mixed percentage		Male	Female	Male	Female	Male	Fe male		
Male	Female								
6,708,285	5,386,680	6,928,453	5,570,368	3,793,006	2,730,468	166,964	81,680	33,401,311	U. S.
586,684	582,969	386,042	539,249	27,138	26,187	3,544	690	1,536,394	N. E.
34,960	34,775	49,355	44,974	492	384	391	230	148,430	Me.
25,323	20,801	42,432	39,617	229	159	95	13	86,923	N. H.
21,446	21,861	20,462	17,770	196	144	21	5	66,736	Vt.
303,018	336,662	491,107	497,606	15,550	14,862	2,440	301	807,838	Mass.
48,326	54,739	78,115	78,748	3,396	3,158	251	50	129,465	R. I.
97,529	108,131	184,568	160,334	7,263	6,480	646	82	299,902	Conn.
1,472,194	1,604,911	2,406,975	2,070,777	209,907	199,534	12,360	2,337	4,863,930	N. A.
903,383	867,821	1,318,863	1,209,614	69,259	73,285	8,838	1,950	2,313,807	N. Y.
216,450	234,007	360,902	314,320	27,511	38,160	1,369	116	697,019	N. J.
452,299	483,083	727,190	546,843	103,137	88,089	2,053	171	1,853,104	Pa.
1,637,756	1,662,822	1,687,728	1,290,847	195,381	160,990	9,695	4,068	4,780,165	S. E. C.
342,977	364,588	363,504	259,019	70,853	56,087	1,042	102	1,296,399	Ohio.
122,649	126,452	82,906	57,465	28,651	25,284	398	48	602,798	Ind.
522,217	552,963	613,797	504,131	67,846	60,604	2,890	252	1,449,872	Ill.
314,745	306,477	381,808	281,352	25,887	17,520	2,526	1,436	854,578	Mich.
335,167	332,122	245,711	188,880	2,144	1,465	2,849	2,230	556,518	Wis.
1,090,376	966,421	738,673	553,121	99,661	89,174	11,840	9,174	2,631,768	W. N. C.
290,420	264,192	266,856	195,726	3,838	2,828	2,637	2,139	526,532	Minn.
211,875	210,958	121,392	93,087	6,939	5,629	413	142	501,040	Iowa.
177,900	168,978	97,345	76,200	63,452	57,676	537	■	706,038	Mo.
64,113	57,131	70,043	51,004	207	129	1,774	1,416	133,575	N. Dak.
66,536	58,847	45,340	32,687	315	205	4,461	4,243	140,030	S. Dak.
112,474	107,060	79,821	61,078	5,378	4,069	1,408	813	270,150	Nebr.
97,062	91,225	57,876	43,333	19,662	17,448	610	336	365,403	Kans.
158,704	158,816	170,407	116,806	1,051,012	1,060,940	4,934	2,862	2,794,148	S. A.
7,535	8,111	10,614	7,631	9,657	8,456	48	1	48,236	Del.
58,852	63,694	50,363	43,261	73,086	68,905	359	29	309,676	Md.
18,225	22,796	14,042	12,334	33,822	39,626	577	60	102,670	D. C.
15,362	13,324	17,431	10,420	176,036	175,195	534	■	454,990	Va.
18,074	17,756	39,471	16,994	29,826	21,319	83	10	305,695	W. Va.
3,180	3,214	4,035	2,453	167,240	175,516	2,568	2,348	456,568	N. C.
4,141	3,893	3,850	2,091	183,474	193,456	193	73	306,292	S. C.
9,729	9,180	9,319	5,536	282,779	292,551	222	26	542,136	Ge.
15,636	16,226	22,282	16,088	95,092	85,916	351	139	197,886	Fla.
69,519	76,816	39,697	27,544	636,653	648,416	844	379	1,657,670	E. S. C.
41,452	47,223	16,827	12,661	73,061	70,790	71	19	469,119	Ky.
12,758	13,289	8,428	5,891	120,947	124,448	85	23	438,226	Tenn.
9,740	10,103	9,814	6,291	215,915	225,216	155	79	423,073	Ala.
5,899	6,191	4,628	2,702	225,700	227,963	533	251	327,251	Miss.
182,484	180,518	208,431	148,789	536,737	523,517	14,800	12,694	2,103,426	W. S. C.
13,776	11,481	8,166	5,000	123,939	118,295	123	32	330,492	Ark.
32,219	37,251	24,848	16,380	178,623	180,628	672	244	362,226	La.
34,639	29,037	22,817	13,291	40,110	36,221	12,510	11,894	414,772	Okla.
111,791	102,749	152,600	114,118	196,065	188,373	1,495	522	995,938	Tex.
216,343	195,444	241,321	152,697	10,073	7,809	29,908	19,267	765,704	W. S. C.
45,442	39,464	51,250	31,459	754	508	4,419	2,817	132,569	Mont.
30,500	25,160	23,366	12,804	463	236	2,340	1,149	95,706	Idaho.
12,927	10,355	15,796	7,261	678	387	1,512	480	54,087	Wyo.
55,347	55,095	62,089	42,928	4,237	3,869	1,817	808	206,979	Colo.
7,622	6,779	13,244	8,689	4,046	763	5,150	4,070	76,548	N. Mex.
13,925	11,690	33,582	22,391	5,075	1,484	9,377	7,364	84,965	Ariz.
43,160	41,382	28,791	23,463	652	452	2,836	1,113	92,645	Utah.
7,211	5,299	10,203	3,692	167	110	2,565	1,466	22,256	Nev.
418,698	418,462	569,179	370,445	18,435	15,932	■	30,338	1,338,103	Pac.
101,677	93,867	142,258	87,177	3,106	2,103	13,318	6,030	329,067	Wash.
82,360	49,878	58,580	36,227	937	683	5,714	2,104	179,038	Oreg.
294,666	274,517	367,340	247,041	14,393	13,146	61,809	22,124	829,996	Calif.

## No. 19.—RACE, NATIVITY, AND PARENTAGE: PERCENTAGES, BY STATES

Division and State	Per cent of total population						Per cent of white population						
	White			Negro			Native, 1920				Foreign born		
	1900	1910	1920	1900	1910	1920	Total	Na- tive per- cent- age	For- eign per- cent- age	Mixed per- cent- age	1900	1910	1920
Continental United States	87.9	88.8	89.7	11.6	10.7	10.1	88.8	81.1	18.6	7.4	18.9	18.8	14.8
New England	98.8	98.9	98.9	1.1	1.0	1.1	74.4	38.3	38.1	10.1	28.0	28.0	11.1
Maine	99.7	99.7	99.7	0.2	0.2	0.2	80.0	64.7	11.3	10.0	13.4	14.9	14.0
New Hampshire	99.8	99.8	99.8	0.2	0.1	0.1	79.4	51.0	18.3	10.1	21.4	22.5	20.6
Vermont	99.7	99.5	99.8	0.2	0.5	0.2	87.3	64.9	12.0	10.5	13.0	14.1	12.7
Massachusetts	98.7	98.8	98.7	1.1	1.1	1.2	71.7	32.4	28.7	10.6	30.3	31.5	28.3
Rhode Island	97.8	98.1	98.3	2.1	1.8	1.7	70.8	29.2	30.8	10.8	31.9	33.4	29.2
Connecticut	98.2	98.5	98.4	1.7	1.4	1.5	72.3	33.1	31.0	8.2	26.6	29.9	27.7
Middle Atlantic	97.8	97.7	97.9	2.1	2.2	2.7	77.8	44.8	34.9	7.9	21.9	25.6	23.7
New York	98.4	98.4	97.9	1.4	1.5	1.9	72.0	36.1	28.0	6.6	26.4	30.4	27.4
New Jersey	98.2	98.4	98.2	1.7	1.5	1.7	75.7	39.9	27.9	8.5	23.7	26.9	24.3
Pennsylvania	97.5	97.4	96.7	2.5	2.5	3.3	83.5	56.3	26.5	6.9	16.0	19.3	16.8
East North Central	98.2	98.2	97.8	1.6	1.6	2.4	84.8	56.3	18.3	9.0	16.7	17.1	16.4
Ohio	97.7	97.5	96.7	2.3	2.3	3.2	87.8	65.9	15.0	6.9	11.3	12.8	12.2
Indiana	97.7	97.7	97.2	2.3	2.2	2.8	94.7	81.8	8.0	5.0	5.8	6.0	5.3
Illinois	98.2	98.0	97.1	1.8	1.9	2.8	80.8	48.7	23.3	8.9	20.4	21.8	19.2
Michigan	99.1	99.1	98.2	0.7	0.6	1.0	79.6	46.4	21.5	11.9	22.5	21.4	20.2
Wisconsin	99.5	99.4	99.4	0.1	0.1	0.2	82.4	40.3	28.1	14.0	25.1	22.1	17.6
West North Central	97.8	97.6	97.6	2.2	2.1	2.2	88.6	61.1	17.4	10.9	18.9	14.9	11.3
Minnesota	99.2	99.2	99.2	0.3	0.3	0.4	79.5	34.9	29.9	14.6	29.1	26.4	20.8
Iowa	99.4	99.3	99.2	0.6	0.7	0.8	90.5	64.1	15.8	10.6	13.8	12.4	9.6
Missouri	94.8	95.2	94.7	5.2	4.8	5.2	94.2	78.7	9.3	6.3	7.3	7.3	6.8
North Dakota	97.7	98.8	98.9	0.1	0.1	0.1	79.6	32.5	31.9	15.1	36.1	27.4	20.5
South Dakota	94.5	96.0	97.3	0.1	0.1	0.1	86.7	49.8	22.8	14.0	17.8	17.8	13.3
Nebraska	99.1	99.0	98.7	0.6	0.6	1.0	88.3	59.2	18.1	11.0	16.8	14.9	11.7
Kansas	98.3	98.7	98.6	1.5	1.2	1.3	93.5	76.6	9.6	7.3	8.9	8.3	6.5
South Atlantic	64.2	68.8	69.0	35.7	33.7	30.9	98.7	91.0	3.7	2.1	3.1	3.9	3.3
Delaware	83.4	84.0	86.4	16.6	15.4	13.6	89.7	72.6	12.1	5.0	8.9	10.2	10.3
Maryland	80.2	82.0	83.1	19.8	17.9	16.0	91.5	74.1	11.9	5.5	9.8	9.8	8.5
Dist. of Columbia	68.7	71.3	74.7	31.1	28.5	25.1	91.3	73.3	10.7	7.2	10.2	10.3	8.7
Virginia	64.3	67.4	70.1	35.6	32.6	29.9	98.1	94.8	1.9	1.4	1.6	1.9	1.9
West Virginia	95.5	94.7	94.1	4.5	5.3	5.9	95.5	89.5	4.1	1.9	2.4	4.9	4.5
North Carolina	66.7	68.0	69.7	33.0	31.6	29.8	99.6	99.0	0.3	0.3	0.3	0.4	0.4
South Carolina	41.6	44.8	48.6	58.4	55.2	51.4	99.2	97.7	0.9	0.7	1.0	0.9	0.8
Georgia	53.3	54.9	58.3	46.7	45.1	41.7	99.0	97.3	1.0	0.8	1.0	1.1	1.0
Florida	56.3	58.9	65.9	43.7	41.0	34.0	93.3	83.4	5.6	4.3	6.5	7.6	6.7
East South Central	66.8	68.4	71.6	33.1	31.5	28.4	98.9	93.7	1.8	1.4	1.6	1.8	1.1
Kentucky	86.7	88.5	90.2	13.3	11.4	9.8	98.6	93.5	3.0	2.1	2.7	2.0	1.4
Tennessee	78.2	78.3	80.7	23.8	21.7	19.3	99.2	97.2	1.1	0.9	1.1	1.1	0.8
Alabama	54.7	57.5	61.6	45.2	42.5	38.4	98.5	96.3	1.4	1.1	1.4	1.5	1.2
Mississippi	41.3	43.7	47.7	58.6	56.2	52.2	99.1	96.8	1.1	1.1	1.2	1.2	0.9
West South Central	73.0	76.8	79.2	26.9	22.6	20.1	94.3	93.6	6.1	3.5	5.5	5.5	5.7
Arkansas	72.0	71.4	73.0	28.0	28.1	27.0	98.9	95.6	1.5	1.6	1.5	1.5	1.1
Louisiana	82.8	80.8	81.0	17.1	13.1	13.9	98.9	95.9	6.1	3.9	7.1	5.5	4.1
Oklahoma <sup>1</sup>	84.8	87.2	89.8	7.0	8.3	7.4	97.8	92.2	2.9	2.7	2.0	2.8	2.2
Texas	79.6	82.2	84.0	20.4	17.7	15.9	90.8	79.4	7.1	4.3	7.8	7.5	9.2
Mountain	94.3	96.7	96.3	0.9	0.8	0.9	85.9	62.3	14.0	9.8	18.3	17.3	14.1
Montana	93.0	95.9	97.3	0.6	0.5	0.3	82.5	51.6	19.1	11.8	27.6	25.4	17.5
Idaho	95.5	98.0	99.6	0.2	0.2	0.2	90.8	69.1	11.3	10.5	14.2	12.7	9.2
Wyoming	90.2	96.1	97.8	1.0	1.5	0.7	80.7	84.8	12.3	8.8	18.0	19.3	13.3
Colorado	96.0	98.0	98.3	1.6	1.4	1.2	87.3	65.3	14.1	8.0	17.1	16.2	12.7
New Mexico	92.3	93.1	92.0	0.8	0.5	1.6	91.3	81.7	8.6	4.0	7.4	7.4	6.7
Arizona	75.6	83.9	87.2	1.5	1.0	2.4	73.2	51.9	13.6	7.8	24.1	27.3	26.8
Utah	96.5	98.2	98.3	0.2	0.3	0.3	87.2	55.6	17.2	14.4	19.4	17.3	12.8
Nevada	83.6	90.7	91.3	0.3	0.6	0.4	79.1	51.3	16.6	11.2	24.2	24.2	20.9
Pacific	94.9	96.0	96.2	5.6	0.7	0.9	90.7	53.9	16.3	10.9	20.6	21.4	19.3
Washington	95.8	97.1	97.3	0.5	0.5	0.5	81.1	53.9	16.3	10.9	20.6	21.7	18.9
Oregon	95.4	97.4	98.2	0.3	0.2	0.3	88.7	64.7	12.5	9.5	13.7	15.7	13.3
California	94.5	95.0	95.3	0.7	0.9	1.1	79.1	51.4	17.6	10.1	22.6	22.9	20.8

<sup>1</sup> Includes population of Indian Territory for 1900.

Source: Bureau of the Census, Department of Commerce.

**No. 20.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER:  
BY SEX, RACE, AND NATIVITY, CONTINENTAL UNITED STATES**

[NOTE.—The number divorced is considered to be understated]

Class	Males 15 years and over				Females 15 years and over			
	Number		Per cent		Number		Per cent	
	1910	1920	1910	1920	1910	1920	1910	1920
<b>All classes</b>	33,425,805	36,990,663	100.0	100.0	30,047,925	35,177,515	100.0	100.0
Single	12,550,129	12,957,565	38.7	35.1	8,933,170	9,616,902	29.7	27.3
Married	18,092,000	21,849,266	53.8	59.2	17,684,687	21,318,933	58.9	60.6
Widowed	1,471,390	1,758,308	4.5	4.8	3,176,228	3,917,625	10.6	11.1
Divorced	159,162	235,284	0.5	0.6	185,088	273,304	0.6	0.8
Unknown	155,524	110,240	0.5	0.3	68,172	50,751	0.2	0.1
<b>White</b>	29,158,123	33,335,966	100.0	100.0	29,857,337	31,654,841	100.0	100.0
Single	11,360,282	11,782,665	39.0	35.3	8,091,249	8,772,732	30.1	27.7
Married	16,253,940	19,698,113	55.7	59.1	16,852,011	19,210,238	59.0	60.7
Widowed	1,274,388	1,549,164	4.4	4.6	2,705,990	3,399,662	10.1	10.7
Divorced	135,203	207,063	0.5	0.6	160,801	228,565	0.6	0.7
Unknown	134,312	97,961	0.5	0.3	57,286	43,644	0.2	0.1
<b>Native white, total</b>	22,018,222	26,063,047	100.0	100.0	21,411,031	25,740,856	100.0	100.0
Single	9,091,365	9,927,618	41.3	38.1	7,097,139	7,936,993	33.1	30.8
Married	11,827,805	14,795,171	53.7	56.7	12,228,006	15,066,735	57.1	58.6
Widowed	869,682	1,111,115	4.0	4.3	1,905,878	2,480,407	8.9	9.6
Divorced	112,144	175,713	0.5	0.7	130,259	200,909	0.6	0.8
Unknown	108,255	73,430	0.5	0.3	49,747	35,872	0.2	0.1
<b>Native white, native percentage</b>	16,233,065	19,098,107	100.0	100.0	15,523,900	18,599,748	100.0	100.0
Single	6,185,324	6,776,518	38.1	35.5	4,644,123	5,268,490	29.9	28.4
Married	9,144,099	11,244,299	56.3	58.9	9,219,385	11,196,865	59.4	60.4
Widowed	728,883	874,821	4.5	4.6	1,523,560	1,886,000	9.8	10.2
Divorced	87,456	134,789	0.5	0.7	100,063	152,743	0.6	0.8
Unknown	87,333	61,690	0.5	0.3	36,780	27,650	0.2	0.1
<b>Native white, foreign percentage</b>	4,066,778	4,798,911	100.0	100.0	4,092,578	4,906,547	100.0	100.0
Single	1,969,127	2,141,310	49.0	44.7	1,660,120	1,791,271	40.6	36.5
Married	1,926,075	2,445,291	47.4	51.0	2,128,165	2,648,064	52.0	54.0
Widowed	117,046	171,612	2.9	3.6	276,348	431,821	6.8	8.8
Divorced	16,471	26,197	0.4	0.5	18,987	29,535	0.6	0.6
Unknown	11,059	6,501	0.3	0.2	8,952	5,806	0.2	0.1
<b>Native white, mixed percentage</b>	1,735,356	2,106,099	100.0	100.0	1,794,559	2,304,581	100.0	100.0
Single	916,915	1,009,790	53.1	45.9	792,897	877,172	44.2	38.1
Married	751,631	1,105,591	43.6	50.3	890,458	1,242,816	49.1	53.9
Widowed	43,733	64,682	2.5	2.9	105,970	162,586	5.9	7.1
Divorced	8,217	14,727	0.5	0.7	11,219	18,631	0.6	0.8
Unknown	4,863	3,299	0.3	0.1	4,015	2,356	0.2	0.1
<b>Foreign-born white</b>	7,139,883	7,252,559	100.0	100.0	5,446,306	5,913,965	100.0	100.0
Single	2,265,916	1,855,047	31.8	25.6	994,110	835,709	18.3	14.1
Married	4,432,135	4,902,942	62.1	67.6	3,634,003	4,123,503	66.5	69.7
Widowed	384,726	438,049	5.4	6.0	800,112	919,255	14.7	15.5
Divorced	23,059	31,950	0.3	0.4	20,542	27,656	0.4	0.6
Unknown	31,057	24,551	0.4	0.3	7,539	7,772	0.1	0.1
<b>Negro</b>	3,056,319	3,393,211	100.0	100.0	3,103,344	3,423,100	100.0	100.0
Single	1,063,472	1,104,877	35.4	32.6	823,996	825,258	26.6	24.1
Married	1,749,228	2,050,407	57.2	60.4	1,775,949	2,039,181	57.2	59.6
Widowed	189,970	260,734	6.2	5.9	439,831	507,961	14.8	14.8
Divorced	20,146	26,689	0.7	0.8	33,286	43,871	1.1	1.3
Unknown	16,496	10,504	0.5	0.3	10,262	6,829	0.3	0.2
<b>Indian</b>	80,333	76,321	100.0	100.0	76,962	70,431	100.0	100.0
Single	27,391	26,460	34.1	34.7	16,324	16,238	21.2	23.1
Married	46,154	43,095	57.4	56.5	49,096	43,923	63.8	62.4
Widowed	5,319	5,711	6.6	7.5	10,071	9,217	13.1	13.1
Divorced	679	680	0.8	0.9	959	826	1.2	1.2
Unknown	840	385	1.0	0.5	633	227	0.7	0.3
<b>Chinese, Japanese, and all other</b>	127,983	115,546	100.0	100.0	9,699	29,143	100.0	100.0
Single	78,984	53,573	61.7	46.4	1,601	2,674	16.6	9.2
Married	43,278	57,651	33.8	49.9	7,632	25,691	79.0	87.8
Widowed	1,713	2,699	1.3	2.3	336	785	3.6	2.7
Divorced	124	252	0.1	0.2	22	42	0.2	0.1
Unknown	3,876	1,370	3.0	1.2	71	51	0.7	0.2

Source: Bureau of the Census, Department of Commerce.

**No. 31.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER,  
BY MAJOR CLASSES AND SEX: BY GEOGRAPHIC DIVISIONS, 1920**

[NOTE.—The number divorced is considered to be understated. For marital condition of total population of each division see Table 22]

Division and marital condition	Native white				Foreign-born white		Negro	
	Native parentage		Foreign or mixed parentage					
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
<b>UNITED STATES (Cont'd)</b>								
<b>Males</b>	10,092,107	100.0	8,980,940	100.0	7,252,539	100.0	2,308,211	100.0
Single	6,776,518	35.5	3,151,700	45.1	1,855,047	25.6	1,104,877	32.6
Married	11,244,289	58.9	3,550,882	50.8	4,902,942	67.6	2,050,407	60.4
Widowed	874,821	4.6	236,294	3.4	438,049	6.0	200,734	5.9
Divorced	134,789	0.7	40,924	0.6	31,950	0.4	26,689	0.8
Unknown	61,690	0.3	11,740	0.2	24,551	0.3	10,504	0.3
<b>Females</b>	15,529,745	100.0	7,211,108	100.0	5,913,885	100.0	3,425,100	100.0
Single	5,268,490	28.4	2,668,443	37.0	835,709	14.1	825,258	24.1
Married	11,195,865	60.4	3,800,870	54.0	4,123,503	69.7	2,039,181	60.6
Widowed	1,885,000	10.2	595,407	8.3	919,255	15.5	507,961	14.8
Divorced	152,743	0.8	48,166	0.7	27,656	0.5	43,871	1.3
Unknown	27,650	0.1	8,222	0.1	7,772	0.1	6,829	0.2
<b>NEW ENGLAND</b>								
<b>Males</b>	972,911	100.0	686,951	100.0	606,763	100.0	30,496	100.0
Single	331,847	34.1	374,281	53.7	216,041	23.7	11,870	38.9
Married	589,103	58.5	297,368	42.7	636,924	70.0	16,732	54.9
Widowed	60,870	6.3	21,697	3.1	53,046	5.8	1,691	5.2
Divorced	8,897	0.9	2,691	0.4	2,696	0.3	215	0.7
Unknown	2,194	0.2	816	0.1	1,168	0.1	90	0.3
<b>Females</b>	1,006,266	100.0	756,451	100.0	888,754	100.0	28,859	100.0
Single	320,837	31.9	371,258	49.1	160,504	18.1	7,833	27.1
Married	534,679	53.1	331,003	43.8	803,268	67.9	16,954	58.3
Widowed	139,246	13.8	50,003	6.6	120,902	13.6	4,732	16.4
Divorced	10,339	1.0	3,548	0.5	3,258	0.4	267	1.0
Unknown	1,154	0.1	641	0.1	732	0.1	47	0.2
<b>MIDDLE ATLANTIC</b>								
<b>Males</b>	3,210,530	100.0	1,873,841	100.0	2,530,925	100.0	233,674	100.0
Single	1,175,331	36.6	914,692	48.8	606,712	23.9	86,397	36.2
Married	1,852,452	57.7	884,508	47.2	1,780,343	70.4	136,401	57.9
Widowed	159,676	5.0	66,587	3.6	130,220	5.1	11,815	5.0
Divorced	13,922	0.4	4,980	0.2	4,216	0.2	887	0.4
Unknown	9,159	0.3	3,374	0.2	9,734	0.4	1,174	0.5
<b>Females</b>	3,292,890	100.0	2,023,534	100.0	2,208,535	100.0	239,867	100.0
Single	1,057,817	32.1	846,789	41.7	348,395	15.6	59,219	25.7
Married	1,852,408	56.3	987,130	48.8	1,541,876	69.8	135,197	58.8
Widowed	381,291	11.0	182,908	9.0	310,281	14.0	34,007	14.8
Divorced	17,108	0.5	6,124	0.3	4,919	0.2	1,190	0.5
Unknown	4,263	0.1	2,593	0.1	3,064	0.1	374	0.2
<b>EAST NORTH CENTRAL</b>								
<b>Males</b>	2,908,456	100.0	1,953,028	100.0	1,763,646	100.0	218,760	100.0
Single	1,396,227	25.7	806,406	41.3	419,937	23.9	76,969	35.2
Married	2,290,648	58.8	1,064,703	54.5	1,207,092	68.8	125,254	57.3
Widowed	175,973	4.5	65,850	3.4	112,897	6.4	13,075	6.0
Divorced	36,428	0.9	13,030	0.7	9,651	0.5	2,847	1.3
Unknown	9,179	0.2	2,939	0.2	4,168	0.2	575	0.3
<b>Females</b>	3,770,083	100.0	2,008,374	100.0	1,359,187	100.0	185,274	100.0
Single	1,068,181	28.3	665,130	33.2	148,405	10.9	33,781	18.2
Married	2,292,058	60.8	1,158,234	57.7	974,174	71.7	119,604	64.8
Widowed	395,380	9.7	163,530	8.2	226,814	16.7	28,657	15.6
Divorced	38,796	1.0	15,289	0.8	7,998	0.6	2,031	1.1
Unknown	5,674	0.2	2,191	0.1	1,776	0.1	301	0.2
<b>WEST NORTH CENTRAL</b>								
<b>Males</b>	2,367,289	100.0	1,225,560	100.0	761,680	100.0	112,538	100.0
Single	874,508	36.9	535,668	43.7	178,443	23.4	38,637	34.3
Married	1,304,601	57.6	646,071	52.7	514,637	67.6	63,551	56.5
Widowed	100,946	4.3	34,764	2.8	61,738	8.1	8,189	7.3
Divorced	19,004	0.8	6,412	0.5	4,242	0.6	1,752	1.6
Unknown	8,140	0.3	2,655	0.2	1,963	0.3	429	0.4
<b>Females</b>	2,263,964	100.0	1,208,290	100.0	673,368	100.0	108,372	100.0
Single	650,392	29.0	414,057	34.4	56,197	9.8	20,549	20.1
Married	1,379,396	60.9	702,907	58.2	404,122	70.2	62,061	60.6
Widowed	202,817	9.0	79,244	6.6	110,643	19.2	17,466	17.1
Divorced	21,270	0.9	7,790	0.6	3,466	0.6	2,063	2.0
Unknown	4,089	0.2	1,692	0.1	940	0.2	286	0.3

No. 21.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER, BY MAJOR CLASSES AND SEX: BY GEOGRAPHIC DIVISIONS, 1920—Continued

Division and marital condition	Native white				Foreign-born white		Negro	
	Native parentage		Foreign or mixed parentage					
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
<b>SOUTH ATLANTIC</b>								
<b>Males</b>	3,783,077	100.0	179,697	100.0	179,093	100.0	1,311,364	100.0
Single	972,859	35.0	74,986	41.7	54,376	30.4	433,651	33.1
Married	1,878,260	60.3	95,611	53.2	113,468	63.4	796,982	60.7
Widowed	116,616	4.2	7,948	4.4	10,063	5.6	72,281	5.5
Divorced	9,290	0.3	943	0.5	594	0.3	5,415	0.4
Unknown	6,052	0.2	209	0.1	594	0.3	3,935	0.3
<b>Females</b>	3,745,420	100.0	186,752	100.0	184,893	100.0	1,361,103	100.0
Single	783,803	28.5	63,953	34.4	17,911	14.3	356,986	26.2
Married	1,899,800	60.8	98,424	53.0	86,323	69.1	797,273	58.6
Widowed	275,545	10.0	22,188	11.9	20,054	16.1	195,668	14.4
Divorced	12,149	0.4	1,055	0.6	422	0.3	9,465	0.7
Unknown	4,123	0.2	132	0.1	151	0.1	2,711	0.2
<b>EAST SOUTH CENTRAL</b>								
<b>Males</b>	1,596,799	100.0	77,894	100.0	41,083	100.0	783,683	100.0
Single	621,430	32.8	26,448	34.0	9,531	23.2	236,391	30.3
Married	1,180,367	62.2	46,791	60.1	27,538	67.1	486,794	62.2
Widowed	84,219	4.4	3,956	5.1	2,894	9.0	50,380	6.4
Divorced	7,611	0.4	541	0.7	213	0.5	6,887	0.9
Unknown	3,181	0.2	88	0.1	86	0.2	2,211	0.3
<b>Females</b>	1,858,996	100.0	84,086	100.0	98,880	100.0	831,483	100.0
Single	464,438	26.1	25,804	30.3	3,654	12.7	192,268	23.4
Married	1,174,207	63.2	46,344	54.5	17,907	62.0	486,417	59.2
Widowed	187,356	10.1	12,180	14.3	7,119	24.7	127,966	15.6
Divorced	10,955	0.6	646	0.8	133	0.5	13,176	1.6
Unknown	2,040	0.1	63	0.1	47	0.2	1,637	0.2
<b>WEST SOUTH CENTRAL</b>								
<b>Males</b>	3,397,731	100.0	333,688	100.0	331,050	100.0	664,084	100.0
Single	771,816	34.6	92,425	39.6	70,114	30.3	264,818	30.6
Married	1,336,835	60.0	129,959	55.6	141,822	61.4	468,050	61.4
Widowed	97,389	4.4	9,335	4.0	16,643	7.2	41,433	6.2
Divorced	12,251	0.6	1,522	0.7	1,043	0.5	7,904	1.2
Unknown	9,340	0.4	447	0.2	1,428	0.6	1,869	0.3
<b>Females</b>	3,054,848	100.0	331,687	100.0	170,598	100.0	667,340	100.0
Single	515,344	25.1	65,938	29.8	29,519	17.3	151,058	22.6
Married	1,331,436	64.6	130,912	59.1	109,951	64.5	406,214	60.9
Widowed	189,767	9.2	23,905	10.3	30,011	17.6	94,624	14.2
Divorced	14,517	0.7	1,700	0.8	826	0.5	13,980	2.1
Unknown	3,582	0.2	272	0.1	291	0.2	1,464	0.2
<b>MOUNTAIN</b>								
<b>Males</b>	663,674	100.0	266,173	100.0	254,994	100.0	17,457	100.0
Single	249,428	37.6	106,908	41.4	88,352	34.8	9,724	55.7
Married	370,161	55.8	139,250	53.9	147,073	58.1	6,611	37.9
Widowed	29,378	4.4	8,821	3.4	14,852	5.8	756	4.3
Divorced	7,871	1.2	2,824	1.1	2,231	0.9	277	1.6
Unknown	6,836	1.0	371	0.1	1,116	0.4	89	0.5
<b>Females</b>	664,785	100.0	234,649	100.0	166,406	100.0	8,799	100.0
Single	143,474	23.4	65,753	27.8	18,424	11.1	1,233	13.7
Married	364,567	54.5	150,620	63.8	117,521	71.1	5,645	64.2
Widowed	48,411	8.6	17,526	7.4	27,616	16.8	1,513	17.2
Divorced	6,902	1.2	2,748	1.2	1,417	0.9	286	2.7
Unknown	1,431	0.3	202	0.1	239	0.1	22	0.3
<b>PACIFIC</b>								
<b>Males</b>	1,061,630	100.0	499,379	100.0	502,393	100.0	30,373	100.0
Single	382,982	36.1	219,188	44.5	212,541	35.9	7,420	36.6
Married	601,862	56.7	246,633	50.1	333,445	59.3	11,032	54.4
Widowed	49,663	4.7	17,236	3.5	34,838	6.9	1,214	6.0
Divorced	19,514	1.8	8,281	1.7	7,264	1.2	465	2.2
Unknown	7,599	0.7	841	0.2	4,305	0.7	142	0.7
<b>Females</b>	973,707	100.0	493,195	100.0	399,437	100.0	17,899	100.0
Single	238,264	24.5	151,183	30.7	52,790	13.5	3,182	17.8
Married	597,314	61.4	267,296	58.3	268,362	63.4	10,816	60.5
Widowed	118,178	11.8	45,023	9.1	65,525	16.7	3,310	18.5
Divorced	20,717	2.1	9,266	1.9	5,217	1.3	544	3.0
Unknown	1,294	0.1	437	0.1	543	0.1	37	0.2

Source: Bureau of the Census, Department of Commerce.

## No. 22.—MARITAL CONDITION OF PERSONS

[NOTE.—The number divorced

Division and State	Males 15 years of age and over						Per cent of total		
	Number						Single	Married	Widowed
	Total	Single	Married	Widowed	Divorced	Unknown			
<b>Continental United States.</b>	<b>34,920,663</b>	<b>12,987,665</b>	<b>21,849,298</b>	<b>1,738,308</b>	<b>234,284</b>	<b>110,240</b>	<b>35.1</b>	<b>54.2</b>	<b>4.8</b>
<b>New England.</b>	<b>2,614,119</b>	<b>693,919</b>	<b>1,882,214</b>	<b>137,307</b>	<b>14,406</b>	<b>4,271</b>	<b>35.8</b>	<b>58.9</b>	<b>5.3</b>
Maine	279,478	92,085	186,171	18,123	2,628	471	32.9	59.5	6.5
New Hampshire	161,931	54,688	94,791	10,324	1,762	366	33.8	58.5	6.4
Vermont	127,905	41,894	76,310	8,372	1,171	158	32.8	60.7	6.5
Massachusetts	1,347,798	406,097	775,687	67,682	5,825	1,997	36.9	57.6	5.0
Rhode Island	210,543	77,269	121,208	10,711	1,226	129	36.7	57.6	5.1
Connecticut	486,474	173,288	288,047	22,195	1,796	1,160	35.6	59.2	4.8
<b>Middle Atlantic.</b>	<b>7,863,502</b>	<b>2,758,863</b>	<b>4,658,707</b>	<b>368,584</b>	<b>23,737</b>	<b>23,611</b>	<b>35.5</b>	<b>58.2</b>	<b>4.7</b>
New York	3,732,826	1,350,088	2,183,530	173,113	10,166	15,925	36.2	58.5	4.6
New Jersey	1,110,387	382,481	672,749	50,577	2,693	1,987	34.4	60.8	4.6
Pennsylvania	3,020,287	1,056,294	1,802,422	144,894	10,978	5,699	35.0	59.7	4.8
<b>East North Central.</b>	<b>7,844,734</b>	<b>2,704,777</b>	<b>4,694,684</b>	<b>368,357</b>	<b>61,984</b>	<b>13,984</b>	<b>34.5</b>	<b>59.6</b>	<b>4.7</b>
Ohio	2,125,426	712,990	1,290,796	101,596	17,225	2,813	33.5	60.7	4.8
Indiana	1,959,899	327,582	1,603,577	85,540	10,339	2,852	30.9	62.6	5.2
Illinois	2,347,493	830,251	1,387,092	107,204	16,887	6,359	35.4	59.1	4.6
Michigan	1,371,114	474,065	820,071	62,418	12,368	2,204	34.6	59.8	4.6
Wisconsin	940,800	359,863	531,148	41,590	5,475	2,704	38.2	56.5	4.4
<b>West North Central.</b>	<b>4,480,690</b>	<b>1,632,529</b>	<b>2,894,588</b>	<b>306,487</b>	<b>31,535</b>	<b>13,984</b>	<b>36.4</b>	<b>58.0</b>	<b>4.6</b>
Minnesota	868,728	366,660	440,829	35,687	4,134	2,208	42.1	53.0	4.1
Iowa	865,407	303,626	512,060	40,763	6,944	2,014	35.1	59.2	4.7
Missouri	1,216,243	400,275	733,960	62,793	9,895	3,320	33.4	60.3	5.2
North Dakota	214,001	87,934	116,254	7,766	815	1,233	41.1	54.3	3.6
South Dakota	224,873	89,294	123,995	9,000	1,272	1,322	39.7	55.1	4.0
Nebraska	401,298	169,428	267,199	19,715	3,231	1,725	36.7	57.9	4.2
Kansas	630,130	210,101	382,569	30,744	5,244	1,472	33.3	60.7	4.9
<b>South Atlantic.</b>	<b>4,459,049</b>	<b>1,538,333</b>	<b>2,858,520</b>	<b>207,103</b>	<b>16,262</b>	<b>10,936</b>	<b>34.5</b>	<b>60.2</b>	<b>4.6</b>
Delaware	81,611	27,815	48,850	4,264	307	375	34.1	59.9	5.2
Maryland	612,518	184,647	297,996	26,771	2,440	760	36.0	58.1	5.2
District of Columbia	159,013	60,976	88,698	7,616	884	839	38.3	56.8	4.9
Virginia	751,890	278,066	437,060	34,381	2,940	1,487	36.6	58.3	4.6
West Virginia	487,684	172,048	291,006	19,674	2,434	1,532	35.5	59.7	4.0
North Carolina	756,631	257,881	463,800	31,639	1,322	2,060	34.1	61.2	4.2
South Carolina	492,228	168,636	300,701	21,414	597	981	34.2	61.1	4.4
Georgia	884,801	283,336	554,356	42,314	3,242	1,531	32.0	62.7	4.8
Florida	332,676	107,201	203,029	19,131	2,096	1,221	32.2	61.0	5.8
<b>East South Central.</b>	<b>2,799,833</b>	<b>894,179</b>	<b>1,742,016</b>	<b>143,301</b>	<b>15,290</b>	<b>6,577</b>	<b>31.9</b>	<b>62.2</b>	<b>5.1</b>
Kentucky	706,502	260,277	487,561	41,289	5,138	1,237	32.7	61.3	5.2
Tennessee	745,280	235,742	465,672	38,823	3,971	1,072	31.6	62.5	5.2
Alabama	710,729	226,302	444,168	34,420	3,486	1,703	31.9	62.5	4.5
Mississippi	548,321	171,768	344,614	27,769	2,665	1,505	31.3	62.8	5.1
<b>West South Central.</b>	<b>3,378,273</b>	<b>1,145,995</b>	<b>2,097,279</b>	<b>186,000</b>	<b>22,863</b>	<b>13,143</b>	<b>34.0</b>	<b>60.1</b>	<b>4.9</b>
Arkansas	565,957	171,241	349,040	30,694	3,264	1,128	30.8	62.8	5.5
Louisiana	575,600	201,248	342,062	27,170	2,519	2,501	35.0	59.4	4.7
Oklahoma	671,835	219,012	412,202	32,252	5,423	2,940	32.6	61.4	4.8
Texas	1,571,981	554,494	923,908	75,984	10,667	6,568	35.3	58.8	4.8
<b>Mountain.</b>	<b>1,228,847</b>	<b>487,845</b>	<b>682,184</b>	<b>66,174</b>	<b>13,432</b>	<b>8,738</b>	<b>39.0</b>	<b>53.6</b>	<b>7.4</b>
Montana	209,491	84,007	113,150	8,600	2,324	1,411	40.1	54.0	4.1
Idaho	184,167	59,795	87,909	6,409	1,667	327	38.3	56.3	4.1
Wyoming	76,366	33,171	41,408	3,140	966	641	41.8	52.2	4.0
Colorado	360,813	123,473	200,809	17,692	4,378	4,570	36.2	57.2	5.0
New Mexico	123,167	45,425	68,973	7,563	944	242	36.9	56.0	6.2
Arizona	127,117	51,329	67,735	9,182	1,106	706	40.4	53.3	4.9
Utah	146,262	53,284	80,307	5,078	1,248	247	36.4	59.1	3.5
Nevada	36,464	16,851	16,723	1,506	741	589	46.2	45.9	4.3
<b>Pacific.</b>	<b>2,265,117</b>	<b>889,831</b>	<b>1,239,824</b>	<b>106,016</b>	<b>36,808</b>	<b>18,854</b>	<b>38.1</b>	<b>56.0</b>	<b>4.7</b>
Washington	546,019	212,021	298,860	23,915	8,602	2,531	38.8	54.8	4.4
Oregon	308,126	112,181	175,423	14,474	5,633	415	38.4	56.9	4.7
California	1,400,972	535,419	765,461	67,626	21,568	10,908	38.2	54.6	4.8

Source: Bureau of the Census, Department of Commerce.

## POPULATION—MARITAL CONDITION

26

## 15 YEARS OF AGE AND OVER: BY STATES, 1920

is considered to be understated]

Females 15 years of age and over									Division and State
Number						Per cent of total			
Total	Single	Married	Widowed	Divorced	Un-known	Single	Married	Widowed	
25, 177, 515	9, 515, 909	31, 313, 933	3, 917, 085	373, 304	50, 751	37.3	60.5	11.1	U. S.
2, 661, 136	860, 643	1, 453, 377	315, 093	17, 441	2, 574	32.1	55.4	11.8	N. E.
271, 764	72, 159	162, 623	34, 017	2, 085	■	26.6	59.8	12.5	Me.
161, 308	46, 393	92, 353	20, 431	1, 845	287	■ 7	57.3	12.7	N. H.
123, 962	32, 397	74, 505	15, 989	1, 014	77	26.1	60.1	12.9	Vt.
1, 425, 443	480, 170	758, 897	167, 253	8, 000	1, 123	34.4	53.2	11.7	Mass.
219, 409	74, 098	118, 772	24, 577	1, 834	129	■ 8	54.1	11.2	R. I.
479, 332	145, 537	278, 227	52, 826	2, 053	679	30.4	58.0	11.0	Conn.
7, 737, 437	2, 310, 305	4, 518, 943	■	99, 367	10, 296	29.8	58.3	11.6	M. A.
3, 767, 540	1, 164, 525	2, 134, 604	448, 670	13, 562	5, 179	30.9	56.7	11.9	N. Y.
1, 092, 623	311, 293	653, 587	123, 076	3, 297	1, 370	28.5	60.8	11.3	N. J.
2, 997, 294	834, 957	1, 730, 057	316, 993	12, 508	2, 749	■	59.7	10.9	Pa.
7, 331, 333	1, 916, 579	4, 545, 175	733, 038	63, 090	8, 951	■	62.1	10.7	E. N. C.
1, 990, 701	507, 550	1, 241, 451	221, 755	18, 466	1, 479	25.5	62.4	11.1	Ohio.
1, 021, 913	244, 659	650, 187	114, 244	10, 723	2, 102	23.9	■	11.2	Ind.
2, 242, 130	617, 873	1, 353, 118	247, 965	19, 275	2, 869	27.6	60.8	11.1	Ill.
1, 198, 037	285, 297	782, 648	118, 412	10, 798	912	■	65.3	9.9	Mich.
869, 080	261, 200	517, 771	82, 643	5, 858	1, 599	30.1	59.6	9.5	Wis.
4, 139, 479	1, 180, 373	2, 555, 995	411, 473	34, 737	7, 011	27.7	61.4	9.9	W. N. C.
774, 423	248, 592	450, 785	68, 945	4, 843	1, 268	32.1	■	8.9	Minn.
819, 947	224, 706	505, 294	81, 118	7, 510	1, 319	27.4	61.6	9.9	Iowa.
1, 185, 407	308, 051	724, 886	130, 774	11, 539	■	26.0	61.1	11.8	Mo.
181, 450	54, 085	113, 843	11, 618	735	569	30.1	62.7	6.4	N. Dak.
190, 812	53, 858	121, 408	13, 662	1, 128	556	28.2	63.6	7.8	S. Dak.
419, 146	112, 867	263, 890	37, 238	3, 398	723	27.2	63.0	■	Nebr.
587, 284	146, 614	375, 790	68, 857	5, 504	519	25.0	64.0	10.0	Kans.
4, 430, 837	1, 233, 561	2, 564, 236	513, 797	33, 110	7, 133	27.7	60.0	11.6	S. A.
77, 103	19, 962	47, 469	9, 094	358	222	25.9	61.6	11.8	Del.
506, 509	147, 204	294, 043	62, 087	2, 700	535	29.1	58.0	12.3	Md.
183, 466	70, 330	88, 602	27, 761	1, 331	392	37.3	47.0	14.7	D. C.
730, 965	211, 140	432, 557	82, 483	2, 898	907	28.9	59.2	11.3	Va.
431, 564	110, 169	280, 811	36, 995	2, 636	954	■	65.1	8.5	W. Va.
769, 185	225, 149	460, 742	79, 118	2, 325	1, 351	29.3	59.9	10.3	N. C.
504, 048	143, 457	298, 648	59, 865	1, 325	763	28.5	59.2	11.9	S. C.
900, 117	225, 856	551, 522	115, 829	5, 926	984	25.1	61.3	12.9	Ga.
312, 796	69, 294	199, 842	40, 565	2, 562	535	22.2	63.9	13.0	Fla.
2, 794, 543	705, 369	1, 735, 179	234, 097	24, 914	3, 786	25.3	61.7	12.0	E. S. C.
770, 695	195, 055	481, 060	87, 378	5, 392	810	■	62.4	11.3	Ky.
749, 045	190, 536	461, 883	89, 285	5, 676	665	25.4	61.7	11.9	Tenn.
720, 780	182, 268	440, 207	90, 369	5, 649	1, 287	25.3	61.1	12.5	Ala.
554, 325	138, 410	342, 929	67, 665	5, 197	1, 024	25.0	61.7	12.2	Miss.
3, 131, 039	786, 117	1, 968, 774	339, 238	31, 236	5, 684	24.5	63.5	10.9	W. S. C.
525, 477	116, 084	344, 825	58, 954	5, 370	744	22.1	65.5	11.2	Ark.
571, 339	155, 276	335, 897	71, 278	4, 416	1, 472	27.2	59.3	12.5	La.
594, 679	132, 818	402, 853	51, 984	5, 886	1, 128	22.3	67.7	8.7	Okla.
1, 439, 534	361, 939	902, 689	157, 022	15, 564	2, 320	25.1	62.7	10.9	Tex.
1, 000, 000	233, 964	654, 476	98, 377	11, 510	1, 949	■	65.4	9.8	Mr.
160, 625	37, 036	108, 119	13, 388	1, 821	261	23.1	67.3	8.2	Mont.
122, 287	28, 124	84, 554	9, 391	1, 146	72	22.9	68.6	7.6	Idaho.
54, 160	11, 120	38, 172	4, 089	690	■	20.5	70.5	7.6	Wyo.
207, 458	73, 098	195, 193	24, 186	4, 058	923	■	63.5	11.1	Colo.
108, 503	24, 932	65, 577	10, 832	942	150	24.1	64.3	10.5	N. Mex.
95, 671	20, 170	■	10, 808	852	156	21.1	66.6	11.3	Ariz.
133, 642	35, 127	83, 713	13, 169	1, 531	103	26.3	62.6	9.9	Utah.
21, 731	4, 196	14, 463	2, 415	500	157	19.3	66.6	11.1	Nev.
1, 914, 611	449, 061	1, 191, 579	231, 274	26, 909	3, 376	■	62.4	12.1	Pac.
433, 367	100, 343	287, 871	41, 889	7, 816	438	22.9	65.7	9.6	Wash.
261, 847	60, 142	170, 069	26, 514	4, 968	134	23.0	64.9	10.1	Oreg.
1, 314, 687	299, 196	733, 632	162, 871	23, 105	1, 803	■	60.4	13.5	Calif.



**No. 23.—MARITAL CONDITION OF WHITE AND NEGRO PERSONS 15 YEARS OF AGE AND OVER FOR EACH GEOGRAPHIC DIVISION AND FOR EACH STATE HAVING A NEGRO POPULATION OF OVER 5 PER CENT OF THE TOTAL, 1920**

[NOTE.—The small number unknown is not shown separately but included in the total. The number divorced is considered to be understated. For marital condition of white and negro population in the United States as a whole, see Table 20]

Division and State	Male					Female				
	Total	Single	Married	Widowed	Divorced	Total	Single	Married	Widowed	Divorced
<b>WHITE</b>										
New England.....	2,579,597	922,169	1,503,392	135,613	14,184	2,551,460	853,697	1,468,950	310,241	17,146
Middle Atlantic.....	7,614,616	2,895,735	4,517,303	355,483	29,616	7,594,799	2,960,791	4,381,414	354,433	39,161
East North Central.....	7,615,139	2,622,670	4,563,443	334,790	59,010	7,151,626	1,881,716	4,492,466	756,730	69,073
West North Central.....	4,353,929	1,585,709	2,525,299	187,508	39,658	4,045,622	1,127,346	3,488,426	393,704	39,596
Missouri.....	1,144,084	381,364	693,383	57,400	8,914	1,119,217	294,063	685,054	127,769	10,460
South Atlantic.....	3,141,889	1,102,221	1,987,339	194,697	10,927	3,056,032	865,667	1,854,646	317,787	13,899
Delaware.....	70,203	23,460	42,863	3,495	208	66,875	17,204	41,470	7,716	317
Maryland.....	425,569	153,034	248,705	21,250	2,014	423,286	125,428	245,300	49,946	2,226
Dist. of Columbia.....	119,472	47,279	65,634	5,222	672	141,971	57,067	64,878	18,707	1,049
Virginia.....	534,210	197,003	312,353	22,100	1,814	510,912	149,699	306,858	51,631	2,265
West Virginia.....	452,863	159,161	272,142	18,116	2,120	406,240	104,668	263,150	34,205	2,362
North Carolina.....	538,513	183,575	331,608	21,072	634	536,462	166,697	328,200	49,882	1,302
South Carolina.....	254,087	91,318	151,810	10,343	242	246,451	71,126	149,402	25,199	387
Georgia.....	528,044	176,539	327,534	21,695	1,576	520,175	137,769	323,144	56,451	2,359
Florida.....	218,908	70,852	134,809	11,925	1,289	204,660	40,809	132,144	24,050	1,360
East South Central.....	2,015,685	657,409	1,354,698	91,890	8,365	1,972,392	513,896	1,238,438	206,655	11,734
Kentucky.....	709,888	231,745	438,622	34,623	3,820	690,568	175,976	432,702	72,420	4,770
Tennessee.....	597,593	190,278	376,068	28,100	2,476	594,613	156,111	371,420	63,694	3,987
Alabama.....	442,513	144,772	277,585	18,009	1,438	432,489	111,919	273,709	44,223	2,059
Mississippi.....	267,691	90,824	162,464	11,128	631	259,222	70,890	160,627	26,328	908
West South Central.....	2,562,469	834,355	1,608,616	123,467	14,816	2,447,071	611,001	1,573,293	242,585	17,049
Arkansas.....	403,252	127,733	252,047	20,520	2,136	374,035	84,939	248,179	38,018	2,410
Louisiana.....	354,944	131,043	204,865	15,130	1,207	341,713	99,868	201,259	38,238	1,546
Oklahoma.....	606,270	197,984	373,293	27,734	4,576	532,863	118,745	364,250	43,983	4,737
Texas.....	1,328,003	476,675	778,409	60,083	8,897	1,196,660	307,451	758,611	122,344	8,350
Mountain.....	1,176,070	444,686	657,084	53,051	12,928	967,040	237,661	632,706	93,733	11,067
Pacific.....	2,146,299	814,711	1,191,940	101,637	35,069	1,858,539	449,177	1,152,978	226,796	35,190
<b>NEGRO</b>										
New England.....	30,496	11,970	16,732	1,591	216	28,953	7,633	18,954	4,732	287
Middle Atlantic.....	235,674	85,397	136,401	11,815	887	229,987	59,219	135,197	34,007	1,190
East North Central.....	218,760	76,969	125,264	13,075	2,887	185,274	33,781	119,804	23,657	2,231
West North Central.....	112,538	38,637	63,551	8,169	1,752	102,578	20,546	63,061	17,455	2,069
Missouri.....	71,577	24,609	40,331	5,375	978	67,099	13,966	39,772	11,991	1,178
South Atlantic.....	1,311,264	433,651	755,969	72,281	5,415	1,361,103	365,966	797,973	195,666	9,486
Delaware.....	11,759	4,318	6,157	768	41	10,220	2,758	5,998	1,378	41
Maryland.....	86,765	31,320	49,116	5,511	428	83,250	21,767	48,723	12,128	474
Dist. of Columbia.....	38,916	13,354	22,801	2,387	208	46,434	13,244	23,686	9,061	333
Virginia.....	217,056	77,781	125,347	12,252	1,124	219,836	61,380	125,550	30,828	1,631
West Virginia.....	34,727	13,730	18,926	1,566	213	29,313	8,500	17,652	2,769	273
North Carolina.....	214,625	73,172	130,114	10,357	482	229,671	68,505	130,637	28,963	1,009
South Carolina.....	237,425	77,126	148,780	11,062	355	287,602	72,308	149,187	34,653	935
Georgia.....	356,516	106,681	226,716	20,604	1,665	379,907	88,081	228,351	59,376	3,598
Florida.....	113,372	36,169	68,031	7,784	801	107,961	22,443	67,669	10,462	1,199
East South Central.....	782,663	236,591	436,794	50,380	6,887	821,433	192,968	438,417	127,966	13,176
Kentucky.....	87,338	28,709	48,808	6,664	1,318	84,104	19,073	48,341	14,945	1,631
Tennessee.....	147,594	45,423	89,625	10,714	1,495	154,408	36,618	90,448	27,500	2,739
Alabama.....	267,539	87,508	166,483	16,398	2,043	288,197	70,327	166,443	47,129	4,590
Mississippi.....	281,992	80,903	181,783	16,604	2,031	294,774	67,450	181,181	41,302	4,226
West South Central.....	664,054	204,818	406,050	41,453	7,904	667,340	151,053	406,214	64,824	13,960
Arkansas.....	152,569	43,432	96,926	10,099	1,518	141,400	31,135	96,121	20,931	2,959
Louisiana.....	219,800	68,948	136,856	11,991	1,311	229,290	55,308	137,442	33,003	2,809
Oklahoma.....	49,426	15,383	29,557	3,571	712	48,426	10,246	29,015	6,096	945
Texas.....	242,269	77,065	144,708	15,832	4,063	240,224	54,869	143,638	34,594	7,308
Mountain.....	17,457	9,734	6,611	756	277	6,799	1,383	5,645	1,513	296
Pacific.....	20,273	7,430	11,032	1,814	465	17,888	3,132	10,816	3,210	544

Source: Bureau of the Census, Department of Commerce.

**No. 24.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER: CONTINENTAL UNITED STATES, 1910 AND 1920, AND BY GEOGRAPHIC DIVISIONS, 1920**

**Note.** For definition of urban population, see Table 35. Illiteracy in this and subsequent tables is defined as inability to write in any language, regardless of ability to read. Per cents represent proportion illiterate in the total number of persons of given class and age.

Division, sex, and age	All classes <sup>1</sup>		Native white, native parentage		Native white, foreign or mixed parentage		Foreign-born white		Negro	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
<b>United States, 1910.....</b>	<b>3,514,163</b>	<b>7.7</b>	<b>1,378,884</b>	<b>3.7</b>	<b>155,388</b>	<b>1.1</b>	<b>1,450,361</b>	<b>12.7</b>	<b>2,227,731</b>	<b>30.4</b>
10 to 20 years.....	946,146	4.7	265,457	2.3	36,470	0.8	142,868	11.1	495,083	20.0
21 years and over.....	4,570,017	8.9	1,113,427	4.3	118,918	1.3	1,507,493	12.9	1,742,848	35.7
Urban, total.....	1,748,830	8.1	128,937	0.9	58,964	0.7	1,157,524	12.5	392,974	17.6
Rural, total.....	2,767,333	10.1	1,249,947	5.4	96,424	1.9	492,837	13.3	1,834,757	30.0
<b>United States, 1920.....</b>	<b>4,931,905</b>	<b>8.0</b>	<b>1,109,876</b>	<b>2.5</b>	<b>133,897</b>	<b>0.8</b>	<b>1,763,740</b>	<b>13.1</b>	<b>1,843,161</b>	<b>22.9</b>
Males.....	2,540,309	6.0	614,612	2.7	70,095	0.8	866,822	11.7	942,368	23.5
Females.....	2,391,596	5.9	495,263	2.3	62,602	0.7	896,918	14.8	899,793	22.3
10 to 20 years.....	598,794	2.7	171,564	1.3	30,339	0.6	56,595	5.7	329,174	13.0
21 years and over.....	4,333,111	7.1	938,311	3.0	102,358	0.9	1,707,145	13.7	1,612,967	27.4
Urban, total.....	1,954,112	4.4	156,499	0.8	55,830	0.6	1,327,590	13.0	402,170	12.4
10 to 20 years.....	87,671	0.9	19,294	0.4	10,441	0.3	27,490	3.6	29,875	4.4
21 years and over.....	1,867,441	6.5	136,199	1.0	45,179	0.6	1,300,030	13.8	372,295	16.0
Rural, total.....	2,378,793	7.7	954,382	3.6	77,077	1.4	436,390	13.3	1,439,991	20.5
10 to 20 years.....	51,123	4.3	162,270	1.9	19,898	1.2	23,105	12.7	290,299	16.1
21 years and over.....	2,463,670	9.1	802,112	4.8	57,179	1.5	407,115	13.3	1,140,692	35.7
<b>New England.....</b>	<b>289,700</b>	<b>4.9</b>	<b>13,185</b>	<b>0.8</b>	<b>13,759</b>	<b>0.8</b>	<b>257,207</b>	<b>14.0</b>	<b>4,607</b>	<b>7.1</b>
10 to 20 years.....	8,874	0.7	2,127	0.4	1,954	0.3	4,623	3.4	141	1.1
21 years and over.....	280,826	6.1	11,058	0.6	11,805	1.1	252,584	14.8	4,466	8.5
Urban, total.....	243,299	5.2	4,850	0.3	9,054	0.6	226,504	14.0	4,057	6.9
Rural, total.....	44,401	2.6	8,305	1.1	4,705	1.9	30,703	13.7	550	9.0
<b>Middle Atlantic.....</b>	<b>605,363</b>	<b>4.3</b>	<b>52,934</b>	<b>0.7</b>	<b>24,048</b>	<b>0.8</b>	<b>780,010</b>	<b>13.7</b>	<b>25,367</b>	<b>5.0</b>
10 to 20 years.....	21,800	0.5	6,481	0.3	4,354	0.3	10,783	2.9	1,056	1.1
21 years and over.....	583,563	6.3	47,443	0.9	19,694	0.6	749,227	16.7	24,311	6.0
Urban, total.....	69,226	6.2	19,420	0.4	15,361	0.4	634,749	15.1	19,843	4.4
Rural, total.....	174,156	4.0	33,504	1.2	8,687	1.1	125,261	18.9	5,944	9.0
<b>East North Central.....</b>	<b>496,470</b>	<b>2.9</b>	<b>68,793</b>	<b>1.0</b>	<b>28,390</b>	<b>0.8</b>	<b>342,832</b>	<b>10.8</b>	<b>32,058</b>	<b>7.3</b>
10 to 20 years.....	16,232	0.4	7,421	0.3	3,030	0.2	8,567	1.6	968	1.2
21 years and over.....	480,238	2.7	61,372	1.3	25,360	0.8	339,165	11.4	31,084	8.7
Urban, total.....	351,628	3.3	80,797	0.7	12,648	0.4	290,567	11.3	26,308	8.8
Rural, total.....	143,842	2.2	58,003	1.3	15,542	1.0	62,265	8.8	5,744	10.6
<b>West North Central.....</b>	<b>193,221</b>	<b>2.0</b>	<b>59,954</b>	<b>1.1</b>	<b>14,678</b>	<b>0.5</b>	<b>88,760</b>	<b>4.4</b>	<b>24,887</b>	<b>10.5</b>
10 to 20 years.....	12,605	0.5	6,708	0.4	1,956	0.3	2,162	3.2	1,337	2.7
21 years and over.....	180,616	2.5	53,246	1.4	12,722	0.6	84,598	6.5	23,550	12.5
Urban, total.....	79,415	2.0	12,917	0.6	4,846	0.5	45,303	7.5	15,907	8.6
Rural, total.....	113,806	1.9	47,037	1.4	9,832	0.6	41,457	5.5	8,980	16.9
<b>South Atlantic.....</b>	<b>1,312,943</b>	<b>11.5</b>	<b>352,807</b>	<b>5.4</b>	<b>3,878</b>	<b>0.9</b>	<b>59,757</b>	<b>12.8</b>	<b>912,842</b>	<b>25.8</b>
10 to 20 years.....	206,178	5.2	55,312	2.7	605	0.5	972	4.0	148,607	12.4
21 years and over.....	1,006,764	14.0	297,595	6.6	3,273	1.1	38,785	13.5	664,235	31.5
Urban, total.....	227,055	8.4	37,271	1.8	1,949	0.6	24,690	11.2	102,527	17.2
Rural, total.....	965,887	14.1	315,636	7.0	1,929	1.9	15,067	16.4	650,015	28.5
<b>East South Central.....</b>	<b>845,459</b>	<b>12.7</b>	<b>299,045</b>	<b>6.8</b>	<b>2,638</b>	<b>1.5</b>	<b>6,457</b>	<b>9.1</b>	<b>536,583</b>	<b>27.9</b>
10 to 20 years.....	145,361	6.8	46,031	3.1	235	0.8	208	5.2	98,580	15.4
21 years and over.....	700,098	15.5	252,934	8.4	2,391	1.6	6,249	9.3	438,003	34.1
Urban, total.....	120,354	7.7	22,409	2.3	1,003	0.8	4,026	8.4	98,804	20.6
Rural, total.....	719,105	14.3	276,616	7.8	1,623	3.2	2,431	10.5	437,719	30.3
<b>West South Central.....</b>	<b>773,637</b>	<b>10.0</b>	<b>199,406</b>	<b>3.9</b>	<b>35,021</b>	<b>6.8</b>	<b>128,725</b>	<b>29.9</b>	<b>402,333</b>	<b>14.9</b>
10 to 20 years.....	162,274	6.5	42,231	2.5	15,691	9.9	24,649	33.8	78,364	14.9
21 years and over.....	611,363	11.7	157,177	4.8	19,330	5.2	104,076	29.1	323,869	30.6
Urban, total.....	146,830	6.1	19,307	1.3	6,819	2.8	47,788	23.1	72,397	16.1
Rural, total.....	464,533	11.8	137,870	5.0	12,511	9.7	56,287	36.3	251,472	29.0
<b>Mountain.....</b>	<b>133,659</b>	<b>5.3</b>	<b>35,169</b>	<b>2.4</b>	<b>5,897</b>	<b>1.0</b>	<b>55,422</b>	<b>12.7</b>	<b>1,457</b>	<b>5.9</b>
10 to 20 years.....	19,275	2.9	6,027	1.1	1,620	1.0	5,463	12.9	71	1.5
21 years and over.....	113,384	6.0	30,136	3.0	4,077	1.0	49,959	12.7	1,386	5.8
Urban, total.....	25,395	2.6	4,657	0.9	1,473	0.6	17,006	9.7	701	4.8
Rural, total.....	107,204	6.8	30,305	3.3	4,224	1.3	38,326	14.8	756	5.8
<b>Pacific.....</b>	<b>123,435</b>	<b>2.7</b>	<b>6,510</b>	<b>0.4</b>	<b>4,500</b>	<b>0.4</b>	<b>86,570</b>	<b>6.6</b>	<b>1,913</b>	<b>4.6</b>
10 to 20 years.....	7,195	0.8	1,168	0.2	864	0.3	4,068	5.7	50	0.7
21 years and over.....	116,240	3.2	7,350	0.4	3,736	0.4	82,502	8.8	1,863	6.4
Urban, total.....	61,920	2.1	2,545	0.3	2,267	0.3	46,797	7.0	1,486	4.1
Rural, total.....	61,515	3.7	4,971	0.6	2,333	0.6	39,773	11.6	447	8.5

<sup>1</sup> Includes Indians, Chinese, Japanese, and other nonwhites.

Source: Bureau of the Census, Department of Commerce.

**No. 25.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER AND 21 YEARS OF AGE AND OVER BY STATES**

Division and State	Number of illiterate persons 10 years of age and over						Illiterate persons of voting age	
	All classes <sup>1</sup>			Native white	Foreign-born white	Negro	Male	Female
	Total	Male	Female					
<b>Continental United States</b>	<b>4,841,906</b>	<b>2,540,908</b>	<b>2,301,098</b>	<b>1,242,579</b>	<b>1,763,740</b>	<b>1,842,181</b>	<b>2,159,593</b>	<b>2,140,743</b>
<b>New England</b>	<b>259,700</b>	<b>140,280</b>	<b>119,420</b>	<b>26,944</b>	<b>257,207</b>	<b>4,607</b>	<b>135,888</b>	<b>144,944</b>
Maine	20,240	12,421	7,819	8,396	11,604	64	11,310	7,203
New Hampshire	15,788	8,246	7,542	1,979	13,746	33	7,973	7,284
Vermont	8,488	5,156	3,332	3,613	4,837	28	4,957	3,196
Massachusetts	146,607	88,423	78,184	7,780	135,720	2,565	66,729	76,021
Rhode Island	31,312	14,168	17,144	2,255	28,169	839	13,723	16,506
Connecticut	67,266	31,866	35,399	2,927	63,131	1,078	31,190	34,586
<b>Middle Atlantic</b>	<b>586,389</b>	<b>313,458</b>	<b>272,931</b>	<b>76,979</b>	<b>760,010</b>	<b>26,587</b>	<b>403,400</b>	<b>440,182</b>
New York	425,022	188,353	236,669	28,408	389,603	5,032	184,312	231,146
New Jersey	127,661	61,545	66,116	9,696	111,595	5,910	60,076	64,282
Pennsylvania	312,699	163,559	149,140	38,870	258,812	14,645	159,111	144,754
<b>East North Central</b>	<b>485,470</b>	<b>263,838</b>	<b>221,632</b>	<b>117,183</b>	<b>342,638</b>	<b>32,052</b>	<b>255,978</b>	<b>299,902</b>
Ohio	131,006	72,627	58,379	33,728	84,387	12,715	70,102	56,548
Indiana	52,034	28,804	23,170	27,929	17,555	6,476	27,714	22,433
Illinois	173,987	86,698	87,289	30,907	131,990	10,476	84,058	85,068
Michigan	88,046	48,173	39,873	14,172	70,535	2,203	46,811	38,802
Wisconsin	50,397	26,276	24,121	10,440	38,359	182	25,290	23,410
<b>West North Central</b>	<b>193,221</b>	<b>101,744</b>	<b>91,477</b>	<b>74,638</b>	<b>86,760</b>	<b>24,867</b>	<b>84,196</b>	<b>86,489</b>
Minnesota	34,487	17,413	17,074	5,935	26,242	241	16,473	16,396
Iowa	20,680	11,353	9,327	8,273	11,004	1,283	10,608	6,686
Missouri	83,403	45,444	37,959	47,060	17,869	18,528	41,625	35,733
North Dakota	9,937	4,681	5,256	1,307	7,238	16	4,365	5,008
South Dakota	8,109	3,806	4,303	1,490	3,648	35	3,540	4,100
Nebraska	13,784	6,990	6,785	3,360	9,468	556	6,507	6,405
Kansas	22,821	12,048	10,773	7,179	11,291	4,228	11,078	9,892
<b>South Atlantic</b>	<b>1,312,942</b>	<b>637,980</b>	<b>674,962</b>	<b>356,795</b>	<b>39,757</b>	<b>812,849</b>	<b>512,185</b>	<b>494,898</b>
Delaware	10,508	5,697	4,811	2,427	3,373	4,700	5,447	4,641
Maryland	64,434	33,435	30,999	15,368	13,573	35,404	30,091	28,786
Dist. of Columbia	10,500	4,345	6,154	640	1,729	8,053	4,185	6,005
Virginia	195,159	107,374	87,785	70,475	2,150	122,322	66,819	76,567
West Virginia	69,413	40,896	28,517	44,334	14,548	10,513	25,927	25,541
North Carolina	241,003	125,302	115,701	104,844	474	133,674	102,402	102,090
South Carolina	226,607	110,425	110,242	38,742	391	181,422	86,614	92,808
Georgia	328,838	173,254	155,584	66,796	801	261,115	131,003	130,291
Florida	71,811	37,252	34,559	13,180	2,657	55,630	29,677	28,820
<b>East South Central</b>	<b>845,468</b>	<b>447,071</b>	<b>398,388</b>	<b>301,651</b>	<b>6,487</b>	<b>536,563</b>	<b>359,074</b>	<b>341,094</b>
Kentucky	155,014	86,495	68,519	112,206	2,344	40,548	74,405	61,830
Tennessee	182,620	94,852	87,777	101,809	1,263	79,532	80,491	72,672
Alabama	278,082	140,991	137,091	65,394	1,893	210,690	111,997	116,568
Mississippi	229,734	120,733	109,001	22,242	1,057	205,813	92,181	89,964
<b>West South Central</b>	<b>772,637</b>	<b>400,796</b>	<b>371,841</b>	<b>234,489</b>	<b>128,725</b>	<b>409,333</b>	<b>310,759</b>	<b>300,619</b>
Arkansas	121,837	63,969	57,878	41,411	1,145	79,245	50,376	49,037
Louisiana	290,092	145,081	145,011	81,957	9,707	208,730	110,821	119,159
Oklahoma	56,804	32,347	24,517	30,418	5,456	14,205	26,718	21,358
Texas	295,844	156,408	139,436	60,643	112,417	102,053	122,836	111,056
<b>Mountain</b>	<b>132,659</b>	<b>66,395</b>	<b>66,264</b>	<b>40,600</b>	<b>55,422</b>	<b>1,437</b>	<b>56,917</b>	<b>56,467</b>
Montana	9,544	5,357	4,187	1,067	5,178	87	5,076	3,995
Idaho	4,924	3,085	1,839	914	2,501	44	2,854	1,656
Wyoming	3,149	2,090	1,059	421	2,233	66	2,049	861
Colorado	24,208	11,587	12,621	8,624	14,224	619	10,558	11,522
New Mexico	41,637	18,235	23,402	25,519	7,250	228	15,060	19,002
Arizona	39,131	19,944	19,147	3,233	19,291	338	15,847	14,799
Utah	0,364	2,678	2,586	925	3,504	59	2,342	2,337
Nevada	3,802	2,289	1,513	157	1,241	10	2,141	1,375
<b>Pacific</b>	<b>123,455</b>	<b>69,848</b>	<b>53,607</b>	<b>12,116</b>	<b>66,670</b>	<b>1,913</b>	<b>66,005</b>	<b>50,934</b>
Washington	18,526	10,479	8,047	2,379	11,630	245	10,039	7,738
Oregon	9,317	5,589	3,728	1,900	5,172	89	5,357	3,548
California	95,592	53,780	41,812	8,747	69,768	1,579	50,609	38,949

<sup>1</sup> The total includes 83,432 illiterate persons among the Indians, Chinese, Japanese, and other nonwhite population.

Source: Bureau of the Census, Department of Commerce.

## No. 26.—PERCENTAGE OF ILLITERACY: BY STATES

Division and State	Per cent illiterate among persons 10 years of age and over										Per cent illiterate among persons of voting age, 1920	
	All classes		Male	Female	Native white		Foreign-born white		Negro			
	1910	1920	1920	1920	1910	1920	1910	1920	1910	1920	Males	Females
Continental United States	7.7	6.0	6.0	6.0	3.0	2.0	12.7	13.1	20.4	22.9	7.0	7.3
New England	6.3	4.9	4.8	5.0	0.9	0.7	19.8	14.0	7.8	7.1	6.0	6.3
Maine	4.1	3.3	3.9	2.5	2.0	1.6	13.7	11.1	8.0	5.9	4.7	3.1
New Hampshire	4.6	4.4	4.5	4.2	1.1	0.7	14.5	15.4	10.6	6.7	5.6	5.2
Vermont	3.7	3.0	3.6	2.4	1.9	1.5	13.1	11.3	4.8	6.2	4.6	3.0
Massachusetts	5.2	4.7	4.5	4.9	0.5	0.4	12.7	12.8	8.1	6.8	5.7	6.1
Rhode Island	7.7	6.5	6.0	7.0	1.3	0.7	17.3	16.5	9.5	10.2	7.6	8.8
Connecticut	6.0	6.2	5.8	6.6	0.6	0.4	15.4	17.0	6.3	6.2	7.4	8.4
Middle Atlantic	6.7	4.9	4.7	5.1	1.0	0.6	15.8	15.7	7.9	5.0	6.0	6.0
New York	5.5	5.1	4.5	5.6	0.8	0.5	13.7	14.2	5.0	2.9	5.7	7.1
New Jersey	5.6	5.1	4.9	5.3	0.9	0.6	14.7	15.3	9.9	6.1	6.3	6.9
Pennsylvania	5.9	4.6	4.7	4.5	1.3	0.6	20.1	18.9	9.1	6.1	6.2	6.9
East North Central	3.4	2.8	3.0	2.8	1.4	0.9	10.1	10.8	11.0	7.3	3.7	3.6
Ohio	3.2	2.6	3.0	2.6	1.5	0.9	11.5	12.6	11.1	8.1	3.8	3.3
Indiana	3.1	2.2	2.4	2.0	2.1	1.3	11.7	11.6	13.7	9.5	3.0	2.6
Illinois	3.7	3.4	3.3	3.4	1.3	0.8	10.1	11.0	10.5	6.7	4.1	4.4
Michigan	3.3	3.0	3.1	2.9	1.1	0.7	9.3	9.9	5.7	4.2	3.9	3.8
Wisconsin	3.2	2.4	2.5	2.4	0.9	0.7	8.7	8.4	4.6	4.1	3.2	3.2
West North Central	2.8	2.0	2.0	1.9	1.4	0.9	7.6	6.4	14.9	10.5	2.5	2.5
Minnesota	3.0	1.6	1.8	1.9	0.5	0.4	7.6	6.4	3.4	3.1	2.2	2.6
Iowa	1.7	1.1	1.2	1.0	0.8	0.5	6.3	4.9	10.3	8.1	1.4	1.3
Missouri	4.3	3.0	3.3	2.8	2.9	2.0	10.1	9.6	17.4	12.1	4.0	3.6
North Dakota	3.1	1.1	1.9	2.4	0.5	0.4	6.3	5.6	4.8	4.0	2.5	2.5
South Dakota	2.9	1.7	1.5	1.9	0.4	0.4	5.0	4.7	5.5	6.2	1.9	2.6
Nebraska	1.9	1.4	1.3	1.4	0.6	0.4	7.1	6.4	7.2	4.8	1.7	1.9
Kansas	2.2	1.6	1.7	1.6	0.8	0.5	10.5	10.6	12.0	8.8	2.1	2.0
South Atlantic	16.0	11.5	12.1	11.0	7.8	5.1	13.5	12.8	32.6	26.9	14.0	13.9
Delaware	8.1	5.9	6.2	5.5	2.9	1.8	19.8	17.3	26.6	19.1	7.7	7.0
Maryland	7.2	5.6	5.7	5.4	2.6	1.6	11.9	13.4	23.4	18.2	6.9	6.7
District of Columbia	4.9	2.8	2.5	3.0	0.5	0.3	8.2	6.1	13.5	8.6	3.0	3.6
Virginia	15.2	11.2	12.1	10.2	8.0	5.9	9.2	7.1	30.0	23.5	14.1	12.7
West Virginia	8.3	6.4	7.2	5.6	6.4	4.6	23.9	24.0	20.3	15.3	8.9	7.3
North Carolina	18.5	13.1	13.7	12.5	12.3	8.2	6.3	6.8	31.9	24.5	17.0	16.8
South Carolina	25.7	19.1	18.3	17.9	10.3	6.5	6.8	6.2	38.7	29.3	22.3	22.8
Georgia	20.7	15.3	16.2	14.4	7.8	5.4	6.0	5.4	36.5	29.1	18.4	18.4
Florida	13.8	9.6	9.6	9.5	5.0	2.9	10.5	6.3	25.5	21.5	10.6	11.3
East South Central	17.4	12.7	13.3	12.0	9.3	6.4	9.7	9.1	34.8	27.9	15.7	15.2
Kentucky	12.1	8.4	9.3	7.6	10.0	7.0	8.3	7.3	27.6	21.0	11.3	9.8
Tennessee	13.6	10.3	11.2	9.5	9.7	7.3	8.3	8.3	27.3	22.4	13.2	12.0
Alabama	22.9	16.1	16.4	15.8	9.9	6.3	11.3	10.9	40.1	31.3	19.5	20.5
Mississippi	22.4	17.2	18.1	16.3	5.2	3.6	15.1	13.3	35.6	29.3	20.9	20.7
West South Central	13.3	10.0	10.0	10.0	5.8	4.1	25.6	29.9	33.1	25.3	11.3	12.1
Arkansas	12.6	9.4	9.6	9.1	7.0	4.5	8.9	8.3	26.4	21.8	11.1	11.8
Louisiana	20.0	21.9	21.6	22.2	13.4	10.5	24.0	21.9	45.4	38.5	23.6	25.2
Oklahoma	5.6	3.8	4.1	3.4	3.3	2.3	9.8	9.8	14.0	17.7	4.9	4.5
Texas	9.9	8.3	8.5	8.2	4.3	3.0	20.0	33.8	34.6	17.8	9.6	9.7
Mountain	6.9	5.2	4.7	5.7	3.9	2.9	12.6	12.7	8.0	6.9	5.4	6.8
Montana	4.8	2.3	2.3	2.3	0.4	0.3	9.4	5.0	7.0	6.0	2.7	2.9
Idaho	2.2	1.5	1.7	1.3	0.3	0.3	6.9	6.5	6.4	6.4	2.1	1.6
Wyoming	3.3	2.1	2.5	1.5	0.3	0.3	9.7	9.0	5.0	5.3	2.9	1.9
Colorado	3.7	3.2	2.9	3.6	1.6	1.4	11.3	12.4	8.6	6.2	3.5	4.4
New Mexico	20.2	15.6	12.7	18.9	14.9	11.6	31.0	27.1	14.2	4.3	14.7	24.1
Arizona	20.9	15.3	13.9	17.1	4.2	2.1	31.5	27.5	7.2	4.6	14.5	18.8
Utah	2.5	1.9	2.1	1.6	0.4	0.3	5.9	6.3	4.8	4.6	2.8	2.2
Nevada	6.7	4.9	5.8	6.2	0.4	0.4	7.6	8.5	5.5	5.1	6.4	7.3
Pacific	3.0	2.7	2.8	2.5	0.4	0.4	8.0	8.6	6.3	4.6	3.3	3.0
Washington	2.0	1.7	1.7	1.6	0.3	0.3	4.8	4.7	4.3	4.0	2.1	2.1
Oregon	1.9	1.5	1.6	1.3	0.4	0.4	6.1	5.1	3.4	4.7	2.0	1.6
California	3.7	3.3	3.5	3.1	0.5	0.4	10.0	10.5	7.1	4.7	4.0	3.6

Source: Bureau of the Census, Department of Commerce.

## No. 27.—DWELLINGS, FAMILIES, AND TENURE OF HOMES: By States, 1920

Division and State	Total dwellings	Total families	Families having homes—				
			Rented	Owned			Tenure unknown
				Free	Mortgaged	Unknown	
<b>Continental United States:</b>							
1910.....	17,806,846	20,256,556	10,587,886	6,954,334	2,931,685	167,725	473,946
1920.....	20,697,304	24,981,676	12,943,598	8,622,119	4,059,593	261,886	641,116
<b>New England.....</b>	<b>1,235,964</b>	<b>1,708,812</b>	<b>1,010,586</b>	<b>333,753</b>	<b>322,064</b>	<b>10,507</b>	<b>24,908</b>
Maine.....	162,304	186,106	73,860	80,540	25,979	2,310	3,417
New Hampshire.....	92,184	108,334	53,159	36,195	15,193	1,390	2,397
Vermont.....	77,158	85,804	35,706	29,029	15,571	770	1,738
Massachusetts.....	597,052	874,798	564,097	126,312	171,741	3,192	9,456
Rhode Island.....	98,861	137,160	92,800	19,889	21,352	680	2,430
Connecticut.....	228,405	311,610	190,964	43,788	69,228	2,155	5,465
<b>Middle Atlantic.....</b>	<b>3,568,549</b>	<b>5,085,080</b>	<b>3,144,533</b>	<b>934,703</b>	<b>899,787</b>	<b>36,033</b>	<b>78,494</b>
New York.....	1,325,114	2,441,125	1,670,088	342,452	381,778	14,510	32,299
New Jersey.....	515,211	721,841	438,911	101,596	165,844	4,472	11,016
Pennsylvania.....	1,728,224	1,922,114	1,035,534	490,653	345,167	17,551	23,109
<b>East North Central.....</b>	<b>4,355,541</b>	<b>5,143,913</b>	<b>2,407,639</b>	<b>1,610,174</b>	<b>1,069,927</b>	<b>63,951</b>	<b>92,328</b>
Ohio.....	1,216,542	1,414,068	673,858	432,804	271,873	14,421	21,113
Indiana.....	696,466	737,707	326,192	243,651	139,796	11,755	16,113
Illinois.....	1,190,414	1,534,077	846,071	370,221	268,446	19,593	29,746
Michigan.....	755,931	862,745	349,054	208,287	230,467	10,717	14,230
Wisconsin.....	326,188	595,316	212,464	195,011	169,346	7,465	11,030
<b>West North Central.....</b>	<b>3,716,968</b>	<b>2,957,649</b>	<b>1,257,816</b>	<b>959,049</b>	<b>631,338</b>	<b>43,484</b>	<b>73,968</b>
Minnesota.....	469,652	526,026	202,222	181,263	123,786	7,328	11,437
Iowa.....	559,188	586,070	239,880	205,115	119,289	8,163	13,623
Missouri.....	715,256	820,043	409,098	229,129	163,824	8,714	18,308
North Dakota.....	129,905	124,681	45,060	37,268	43,375	4,261	4,927
South Dakota.....	136,512	142,793	53,099	46,438	34,621	3,653	4,962
Nebraska.....	288,390	303,436	125,713	99,715	63,973	5,410	8,626
Kansas.....	416,065	435,600	182,784	153,131	82,370	5,955	11,360
<b>South Atlantic.....</b>	<b>2,781,684</b>	<b>2,991,628</b>	<b>1,654,936</b>	<b>898,123</b>	<b>281,664</b>	<b>43,928</b>	<b>86,478</b>
Delaware.....	47,808	51,070	28,287	12,358	9,672	799	954
Maryland.....	288,201	324,742	160,219	94,695	60,867	3,710	5,261
District of Columbia.....	72,175	96,104	65,654	12,364	15,375	774	2,037
Virginia.....	450,229	483,343	231,543	187,547	48,614	5,901	9,738
West Virginia.....	203,002	310,098	160,528	109,732	26,477	5,163	8,208
North Carolina.....	495,269	513,377	261,303	186,480	38,498	10,884	16,232
South Carolina.....	330,300	349,126	227,617	80,911	21,977	5,291	13,280
Georgia.....	587,509	628,525	421,047	141,699	39,548	6,740	19,293
Florida.....	217,871	234,133	128,678	70,166	20,848	3,976	10,465
<b>East South Central.....</b>	<b>1,867,167</b>	<b>1,977,381</b>	<b>1,101,362</b>	<b>617,367</b>	<b>181,689</b>	<b>24,065</b>	<b>62,896</b>
Kentucky.....	510,981	546,306	258,643	209,239	59,846	6,908	11,670
Tennessee.....	488,392	519,138	264,382	180,166	50,056	5,620	12,251
Alabama.....	480,392	508,709	319,756	124,450	41,445	6,402	16,650
Mississippi.....	387,402	403,128	257,971	97,473	30,322	5,105	12,327
<b>West South Central.....</b>	<b>2,110,878</b>	<b>2,242,910</b>	<b>1,262,703</b>	<b>613,789</b>	<b>282,404</b>	<b>37,155</b>	<b>76,739</b>
Arkansas.....	375,316	390,970	208,491	119,279	46,727	5,247	11,216
Louisiana.....	370,377	389,813	248,802	94,420	24,515	7,475	14,701
Oklahoma.....	418,557	444,524	231,813	109,001	74,568	10,253	18,971
Texas.....	946,629	1,017,413	563,597	291,089	116,576	14,210	31,941
<b>Mountain.....</b>	<b>743,775</b>	<b>805,853</b>	<b>349,755</b>	<b>269,907</b>	<b>149,458</b>	<b>11,674</b>	<b>23,066</b>
Montana.....	130,670	139,912	33,342	43,776	35,569	2,504	4,710
Idaho.....	95,290	100,500	38,913	30,974	26,957	1,277	3,279
Wyoming.....	44,710	48,478	22,271	14,167	8,579	1,314	2,145
Colorado.....	211,103	230,843	109,501	71,155	43,244	2,342	4,561
New Mexico.....	78,024	83,706	32,907	38,563	8,208	1,351	2,647
Arizona.....	73,673	80,208	41,163	24,605	7,797	673	2,970
Utah.....	84,587	98,346	38,508	38,842	17,582	1,561	1,763
Nevada.....	20,709	21,862	10,940	7,795	1,532	611	984
<b>Pacific.....</b>	<b>1,968,677</b>	<b>1,445,350</b>	<b>734,278</b>	<b>399,255</b>	<b>288,182</b>	<b>14,481</b>	<b>36,144</b>
Washington.....	304,735	342,224	151,513	106,729	72,656	3,938	7,393
Oregon.....	186,081	202,830	89,588	66,491	40,054	2,227	4,530
California.....	778,861	900,232	493,177	219,035	155,473	8,326	24,211

Source: Bureau of the Census, Department of Commerce.

**No. 28.—DWELLINGS AND FAMILIES: AVERAGE NUMBER OF PERSONS PER DWELLING AND PER FAMILY AND PERCENTAGE DISTRIBUTION OF FAMILIES ACCORDING TO TENURE OF HOME, BY STATES**

[NOTE.—In computing the percentages the houses reported as of unknown proprietorship and encumbrance have been distributed in the same proportion as the known]

Division or State	Average persons per dwelling		Average persons per family		Per cent of total number of families (1920) having homes—				Per cent of owned homes, 1920	
	1910	1920	1910	1920	Rented	Owned	Owned free	Owned encumbered	Free	Encumbered
<b>Continental United States</b>	5.2	5.1	4.6	4.3	54.4	45.6	28.9	17.5	61.7	38.3
<b>New England</b>	6.0	5.9	4.5	4.3	60.3	39.6	30.4	18.5	51.1	48.9
Maine	4.7	4.7	4.2	4.1	40.4	59.6	45.0	14.5	75.6	24.4
New Hampshire	4.8	4.8	4.2	4.1	50.2	49.8	35.1	14.7	70.4	29.6
Vermont	4.6	4.6	4.2	4.1	42.5	57.5	35.1	22.4	61.0	39.0
Massachusetts	5.6	5.5	4.6	4.4	65.2	34.8	14.8	20.1	42.4	57.6
Rhode Island	5.8	5.1	4.6	4.4	68.9	31.1	15.0	16.1	49.2	51.8
Connecticut	5.1	5.0	4.5	4.4	62.4	37.6	14.6	23.0	38.7	61.3
<b>Middle Atlantic</b>	6.3	6.3	4.6	4.4	63.9	37.8	19.0	18.3	61.3	48.8
New York	7.7	7.8	4.5	4.3	69.3	30.7	14.5	16.2	47.3	52.7
New Jersey	6.2	6.1	4.5	4.4	61.7	38.3	14.5	23.7	38.0	62.0
Pennsylvania	5.1	5.1	4.7	4.5	54.8	45.2	26.5	18.7	58.7	41.3
<b>East North Central</b>	4.9	4.9	4.3	4.2	47.7	52.3	30.6	21.7	58.5	41.5
Ohio	4.7	4.7	4.2	4.1	48.4	51.6	31.7	19.9	61.4	38.6
Indiana	4.3	4.2	4.1	4.0	45.2	54.8	34.8	30.0	63.6	36.4
Illinois	5.6	5.4	4.5	4.2	56.2	43.8	25.4	18.4	59.0	42.0
Michigan	4.5	4.9	4.3	4.3	41.1	58.9	32.3	26.6	54.9	45.1
Wisconsin	5.0	5.0	4.7	4.4	36.4	63.6	34.1	29.6	53.5	46.5
<b>West North Central</b>	4.8	4.6	4.5	4.2	43.6	56.4	33.9	22.5	60.1	39.9
Minnesota	5.5	5.1	5.0	4.5	39.3	60.7	36.1	24.6	59.4	40.6
Iowa	4.5	4.3	4.3	4.1	41.9	58.1	36.7	21.4	63.2	36.8
Missouri	4.9	4.7	4.4	4.1	50.5	49.5	29.9	20.7	58.3	41.7
North Dakota	4.9	5.0	4.8	4.8	34.7	65.3	30.2	35.1	46.2	53.8
South Dakota	4.6	4.7	4.5	4.5	38.5	61.5	35.2	26.3	57.3	42.7
Nebraska	4.6	4.6	4.5	4.3	42.6	57.4	34.9	22.4	60.9	39.1
Kansas	4.4	4.3	4.3	4.1	43.1	56.9	37.0	19.9	65.0	35.0
<b>South Atlantic</b>	5.0	5.0	4.8	4.7	58.0	42.0	32.0	10.0	76.3	23.7
Delaware	4.7	4.7	4.5	4.3	55.3	44.7	25.1	19.6	56.1	43.9
Maryland	5.1	5.0	4.7	4.5	50.1	49.9	30.3	19.5	60.9	39.1
District of Columbia	5.7	6.1	4.6	4.5	69.7	30.3	13.5	16.8	44.6	55.4
Virginia	5.1	5.1	4.9	4.8	48.9	51.1	40.6	10.5	79.4	20.6
West Virginia	5.1	5.0	4.9	4.7	53.2	46.8	37.7	9.1	80.6	19.4
North Carolina	5.1	5.2	5.0	5.0	52.6	47.4	39.3	6.1	82.9	17.1
South Carolina	5.0	5.1	4.8	4.8	67.8	32.2	25.3	6.9	78.6	21.4
Georgia	4.9	4.9	4.7	4.6	69.1	30.9	24.2	6.7	78.2	21.8
Florida	4.5	4.4	4.4	4.1	57.5	42.5	32.7	9.7	77.1	22.9
<b>East South Central</b>	4.9	4.8	4.7	4.5	57.3	42.7	33.0	9.7	77.3	22.7
Kentucky	4.9	4.7	4.6	4.4	48.4	51.6	40.1	11.5	77.8	22.2
Tennessee	4.9	4.8	4.7	4.5	52.3	47.7	37.6	10.1	78.8	21.2
Alabama	4.8	4.9	4.7	4.6	65.0	35.0	26.3	8.7	75.0	25.0
Mississippi	4.8	4.6	4.7	4.4	66.0	34.0	25.9	8.1	76.3	23.7
<b>West South Central</b>	4.8	4.9	4.6	4.6	57.8	42.2	29.5	12.6	70.0	30.0
Arkansas	4.8	4.7	4.7	4.5	54.9	45.1	32.4	12.7	71.9	28.1
Louisiana	5.0	4.9	4.8	4.6	66.3	33.7	26.7	6.9	79.4	20.6
Oklahoma	4.8	4.8	4.7	4.6	54.5	45.5	27.0	18.5	69.4	30.6
Texas	5.0	4.9	4.9	4.6	57.2	42.8	30.6	12.2	71.4	28.6
<b>Mountain</b>	4.5	4.5	4.3	4.2	44.8	55.2	33.5	19.7	64.4	35.6
Montana	4.5	4.2	4.3	3.9	39.5	60.5	33.4	27.1	55.2	44.8
Idaho	4.5	4.5	4.4	4.3	39.1	60.9	32.6	28.3	53.5	46.5
Wyoming	4.7	4.3	4.5	4.0	48.1	51.9	32.4	19.6	62.3	37.7
Colorado	4.3	4.5	4.1	4.1	48.4	51.6	32.1	19.5	62.3	37.8
New Mexico	4.3	4.6	4.1	4.3	40.6	59.4	49.0	10.4	82.5	17.5
Arizona	4.5	4.5	4.3	4.2	57.2	42.8	32.5	10.3	75.9	24.1
Utah	5.1	5.0	4.8	4.6	40.0	60.0	41.3	18.7	68.8	31.2
Nevada	3.6	3.7	3.5	3.5	52.4	47.6	39.8	7.8	83.6	16.4
<b>Pacific</b>	4.7	4.4	4.3	3.9	58.1	47.9	28.4	19.4	59.4	40.6
Washington	4.8	4.5	4.5	4.0	45.3	54.7	32.0	22.2	59.5	40.5
Oregon	4.6	4.2	4.4	3.9	45.2	54.8	34.2	20.6	62.4	37.6
California	4.6	4.4	4.2	3.8	55.3	44.7	25.6	18.1	58.5	41.5

Source: Bureau of the Census, Department of Commerce.

# 32 POPULATION—FOREIGN BORN BY COUNTRY OF BIRTH

## No. 29.—FOREIGN-BORN POPULATION, ALL RACES, BY COUNTRY OF BIRTH: CONTINENTAL UNITED STATES

Country of birth	Number						Per cent of increase <sup>1</sup>	
	1870	1880	1890	1900	1910	1920	1900-1910	1910-1920
Total foreign born.....	5,567,339	6,579,943	9,249,560	10,341,378	13,515,534	13,890,092	30.7	3.0
Europe.....	4,936,616	5,744,311	8,020,603	8,871,780	11,791,841	11,582,053	32.9	0.8
Northwestern Europe.....	3,124,538	3,484,484	4,380,759	4,202,683	4,239,087	3,830,094	0.9	-9.8
England.....	555,046	604,160	909,092	840,513	877,719	813,853	4.4	-7.3
Scotland.....	140,835	170,136	242,231	233,524	261,070	254,570	11.8	-2.5
Wales.....	74,533	83,303	100,079	93,586	82,488	67,096	-11.9	-18.7
Ireland.....	1,855,827	1,854,571	1,871,509	1,615,469	1,352,251	1,037,234	-16.3	-23.3
Norway.....	114,246	181,729	322,665	336,368	403,877	363,863	20.1	-9.9
Sweden.....	97,332	194,337	478,041	582,014	665,207	625,585	14.3	-6.0
Denmark.....	30,107	64,196	132,543	153,690	181,649	189,154	18.2	4.1
Netherlands.....	46,802	58,090	81,828	94,931	120,063	131,786	26.5	9.7
Belgium.....	12,553	15,535	22,639	29,757	49,400	62,687	66.0	26.9
Luxemburg.....	5,803	12,836	2,882	3,031	3,071	12,685	1.3	300.8
Switzerland.....	75,153	88,621	104,079	115,503	124,848	118,659	8.0	-5.0
France.....	116,402	106,971	113,174	104,197	117,418	153,072	12.7	30.4
Central and Eastern Europe.....	1,784,449	2,187,776	3,420,689	4,136,845	6,094,041	6,184,945	45.6	1.5
Germany.....	1,000,533	1,960,742	2,784,904	2,663,418	2,311,237	1,686,106	-13.2	-27.0
Poland.....	14,436	48,557	147,440	383,407	837,884	1,139,979	144.6	21.6
Czechoslovakia.....						362,438		
Austria.....	70,797	124,024	241,377	432,798	845,555	575,627	95.4	-31.9
Hungary.....	3,737	11,526	62,435	145,714	495,609	397,263	240.1	-19.8
Yugoslavia.....						169,439		
Serbia.....					4,639			
Montenegro.....					5,374			
Russia and Lithuania.....	4,644	35,722	182,644	423,726	1,184,412	1,535,563	179.6	29.6
Finland.....				62,641	129,690	149,824	107.0	15.5
Rumania.....				15,032	65,923	102,623	338.6	56.0
Bulgaria.....					11,498	10,477		-8.9
Turkey in Europe.....	302	1,206	1,839	9,910	32,230	5,284	225.2	-83.6
Southern Europe.....	25,863	58,866	206,648	520,200	1,525,875	1,811,212	127.6	25.3
Greece.....	390	776	1,887	8,515	101,262	175,976	1,099.5	73.7
Albania.....					(?)	5,608		
Italy.....	17,157	44,230	182,580	484,027	1,343,125	1,610,113	177.5	19.9
Spain.....	3,764	5,121	6,185	7,050	22,106	49,535	213.6	124.1
Portugal.....	4,542	8,138	15,998	30,606	59,360	69,981	93.9	17.9
Other Europe.....	1,678	3,786	12,579	2,251	2,858	5,901	471.8	106.5
Asia.....	64,565	107,630	113,396	190,848	191,484	237,960		24.2
Armenia, Palestine, Syria, and Turkey in Asia.....	(?)	(?)	(?)	(?)	50,729	102,751		72.0
China.....	63,042	104,468	100,701	81,534	50,756	43,560	-30.4	-23.3
Japan.....	73	401	2,292	24,788	67,744	81,602	173.3	20.3
India.....	586	1,707	2,143	2,031	4,664	4,901	129.6	5.1
Other Asia.....	864	1,054	2,200	11,895	2,591	5,236	-78.2	102.1
America.....	551,335	807,230	1,068,245	1,317,380	1,489,231	1,727,017	13.0	16.0
Canada and Newfoundland.....	493,464	717,157	980,938	1,179,922	1,209,717	1,138,174	2.5	-5.9
Canada.....								
French.....			302,496	395,126	385,063	307,786	-2.5	-20.1
Other.....			678,442	784,796	824,554	817,189	4.4	-0.3
Newfoundland.....					5,060	13,249		160.8
West Indies.....	11,570	16,401	23,256	25,435	47,635	78,902	87.3	66.8
Mexico.....	42,435	68,390	77,853	103,393	221,815	486,418	114.6	119.2
Central and South America.....	3,860	5,273	6,198	8,630	9,964	23,403	15.5	135.5
All other.....	14,711	20,772	27,311	31,668	43,330	73,672	36.0	70.0

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Boundaries changed since 1910. Statistics for 1920 relate to postwar boundaries, for 1910, to prewar boundaries.

<sup>3</sup> Persons reported in 1910 as of Polish mother tongue born in Germany (190,096), Austria (329,418), and Russia (418,370) have been deducted from the respective countries and combined as Poland for comparison with number reported in 1920 as born in Poland. Though Poland before 1919 was divided among Russia, Germany, and Austria, the censuses of 1870 to 1900 listed it as a country of birth.

<sup>4</sup> Created since 1910.

<sup>5</sup> Included as part of Yugoslavia in 1920.

<sup>6</sup> Turkey in Asia included with Turkey in Europe prior to 1910.

<sup>7</sup> Albania included with Turkey in Europe in 1910 and earlier years.

<sup>8</sup> Includes "Europe, not specified" at each census, and Danzig, Flume, and Saar Basin in 1920.

<sup>9</sup> Newfoundland included with Canada prior to 1910.

<sup>10</sup> Except possessions of the United States.

Source: Bureau of the Census, Department of Commerce.



### No. 30.—FOREIGN-BORN WHITE POPULATION, BY COUNTRY OF BIRTH, CONTINENTAL UNITED STATES

[NOTE.—Statistics for 1910 are on the basis of prewar, for 1920, postwar boundaries (see notes to Table 29)]

Country of birth	1910		1920		Country of birth	1910		1920	
	Number	Per cent	Number	Per cent		Number	Per cent	Number	Per cent
<b>Total</b> .....	13,345,545	100.0	13,719,764	100.0	<b>E. Europe—Contd.</b>				
<b>Europe</b> .....	11,787,878	88.3	11,877,991	86.6	Bulgaria.....	11,453	0.1	10,477	0.1
<b>Northwestern Europe</b>					Turkey in Europe <sup>1</sup> .....	32,221	0.2	5,284	(?)
England.....	4,237,373	31.8	3,638,878	27.9	<b>Southern Europe</b> .....	1,523,934	11.4	1,608,333	12.9
Scotland.....	876,456	6.6	812,828	5.9	Greece <sup>1</sup> .....	101,264	0.8	175,972	1.3
Wales.....	261,084	2.0	254,567	1.9	Albania.....	(?)		5,608	(?)
Ireland.....	82,479	0.6	67,066	0.5	Italy <sup>1</sup> .....	1,343,070	10.1	1,610,106	11.7
Norway.....	1,262,155	10.1	1,037,233	7.6	Spain.....	21,977	0.2	49,247	0.4
Sweden.....	403,858	3.0	363,862	2.7	Portugal.....	57,623	0.4	67,433	0.5
Denmark.....	665,183	5.0	625,580	4.6	<b>Other Europe</b> .....	2,833	(?)	5,901	(?)
Netherlands.....	181,621	1.4	189,154	1.4	Asia.....	84,314	0.6	110,430	0.8
Belgium.....	120,653	0.9	131,766	1.0	Turkey in Asia <sup>2</sup> .....	59,702	0.4	11,014	0.1
Luxemburg.....	49,297	0.4	62,686	0.5	Armenia.....			36,626	0.3
Switzerland.....	3,068	(?)	12,585	0.1	Palestine.....	(?)		3,202	(?)
France <sup>1</sup> .....	124,834	0.9	118,659	0.9	Syria.....			51,900	0.4
	117,236	0.9	152,890	1.1	<b>Other Asia</b> .....	4,612	(?)	7,708	0.1
<b>Central Europe</b> .....	4,181,703	31.3	4,330,880	31.6	<b>America</b> .....	1,453,196	10.9	1,668,501	12.1
Germany <sup>2</sup> .....	2,501,181	18.7	1,696,102	12.3	Canada.....				
Poland.....	(?)		1,139,978	8.3	French.....	385,083	2.9	307,786	2.2
Czechoslovakia.....	(?)		362,436	2.6	Other.....	810,987	6.1	810,082	5.9
Austria <sup>1</sup> .....	1,174,924	8.8	575,625	4.2	Newfoundland.....	5,070	(?)	13,242	0.1
Hungary <sup>1</sup> .....	495,000	3.7	397,282	2.9	Mexico.....	219,802	1.6	478,383	3.5
Serbia.....	4,635	(?)	(?)		West Indies <sup>1</sup> .....	23,169	0.2	26,369	0.2
Montenegro.....	4,863	(?)	(?)		<b>Central and South America</b> .....	9,000	0.1	20,928	0.2
Yugoslavia.....			169,437	1.2	<b>Other countries</b> .....	40,167	0.3	67,513	0.5
<b>Eastern Europe</b> .....	1,842,016	13.8	1,808,866	13.2	Atlantic Islands.....	15,795	0.1	38,984	0.3
Russia.....	1,602,752	12.0	1,400,489	10.2	Australia.....	8,938	0.1	10,801	0.1
Lithuania.....	(?)		136,068	1.0	<b>All other</b> .....	15,434	0.1	17,727	0.1
Finland.....	120,660	1.0	149,824	1.1					
Rumania <sup>1</sup> .....	65,920	0.5	102,823	0.7					

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Included in another country or countries.

<sup>3</sup> Boundaries changed with loss of territory.

<sup>4</sup> Boundaries changed with increase of territory.

<sup>5</sup> Excluding possessions of United States in 1920.

### No. 31.—URBAN AND RURAL FOREIGN-BORN POPULATION: CONTINENTAL UNITED STATES, 1920, BY COUNTRY OF BIRTH

[NOTE.—See Table 35 for explanation of urban and rural segregation]

Country of birth	Urban		Percent urban	Country of birth	Urban		Percent urban
		Rural				Rural	
<b>Total population</b> .....	54,304,603	61,406,017	61.4	<b>E. Europe—Contd.</b>			
<b>Total foreign born</b> .....	10,500,942	3,418,750	75.4	Bulgaria.....	7,879	2,596	75.2
<b>Northwestern Europe</b> .....	2,737,407	1,084,687	71.6	Turkey in Europe.....	4,826	458	91.3
England.....	620,676	193,177	76.3	<b>Southern Europe</b> .....	1,407,943	303,870	84.1
Scotland.....	195,614	58,954	76.8	Greece.....	154,062	21,924	87.6
Wales.....	47,716	19,350	71.1	Albania.....	5,156	452	91.9
Ireland.....	900,947	136,287	86.9	Italy.....	1,359,250	250,963	84.4
Norway.....	171,686	192,165	47.2	Spain.....	36,363	13,172	72.4
Sweden.....	394,700	230,686	63.1	Portugal.....	53,122	16,859	75.9
Denmark.....	101,016	88,138	53.4	<b>Other Europe</b> .....	4,522	1,375	76.6
Netherlands.....	74,424	57,342	56.5	Asia.....	170,880	87,980	71.7
Belgium.....	41,710	20,977	66.5	Armenia.....	30,307	6,321	82.7
Luxemburg.....	7,213	5,372	57.3	Palestine.....	2,914	289	91.0
Switzerland.....	67,731	60,928	57.1	Syria.....	45,321	6,580	87.2
France.....	113,962	36,110	74.4	Turkey in Asia.....	9,854	1,165	89.4
<b>Central Europe</b> .....	2,207,139	1,123,756	74.1	China.....	34,636	8,925	79.5
Germany.....	1,127,961	548,147	67.6	Japan.....	40,751	40,751	50.0
Poland.....	961,813	178,169	84.4	India.....	2,693	2,206	54.9
Czechoslovakia.....	240,453	121,985	66.3	<b>Other Asia</b> .....	4,215	1,021	80.5
Austria.....	431,670	143,957	75.0	<b>America</b> .....	1,170,084	556,893	67.7
Hungary.....	317,737	79,546	80.0	Canada—French.....	243,750	64,086	79.2
Yugoslavia.....	117,506	51,934	69.3	Canada—Other.....	591,812	225,327	72.4
<b>Eastern Europe</b> .....	1,543,926	358,045	81.7	Newfoundland.....	12,037	1,212	90.9
Russia.....	1,241,157	159,338	88.6	West Indies <sup>1</sup> .....	72,742	5,220	92.1
Lithuania.....	118,634	16,434	87.8	Mexico.....	229,179	257,239	47.1
Finland.....	79,974	69,860	53.4	<b>Central and South America</b> .....	20,804	2,950	87.4
Rumania.....	93,450	9,367	90.9	<b>All other</b> .....	87,290	18,363	77.9

<sup>1</sup> Comprises Danzig, Plesne, Saar Basin, and "Europe, not specified."

<sup>2</sup> Except possessions of the United States.

<sup>3</sup> Comprises persons born in Australia, Atlantic Islands, Pacific Islands (except possessions of the United States), those whose country of birth was not specified, and those born at sea.

Source of Tables 30 and 31, Bureau of the Census, Department of Commerce.

## No. 32.—FOREIGN WHITE STOCK, BY MOTHER TONGUE: CONTINENTAL UNITED STATES

[NOTE.—The last two columns include native white persons (1) having both parents foreign born and of the specified foreign tongue, and (2) having one parent foreign born and of the specified mother tongue and the other parent native. Persons having both parents foreign born, one parent of one mother tongue and the other of another, are grouped in the last line.]

Linguistic group and mother tongue	Total foreign white stock				Per cent of increase, 1910-1920 <sup>1</sup>	Foreign-born white		Native white of foreign or mixed parentage	
	Number		Per cent distribution			1910	1920	1910	1920
	1910	1920	1910	1920					
Total	33,243,382	34,388,958	100.0	100.0	13.9	13,345,543	13,712,754	18,897,837	22,686,204
English and Celtic <sup>2</sup>	9,980,861	9,792,355	30.8	28.7	-2.0	3,563,799	3,007,939	6,417,069	6,784,423
Germanic	9,000,139	9,622,500	27.8	28.7	-4.2	2,910,857	2,449,364	6,089,282	6,172,136
German	8,640,402	8,164,111	26.8	22.4	-5.6	2,750,032	2,267,129	5,887,370	5,806,983
Dutch and Frisian	311,015	370,499	1.0	1.0	19.1	126,045	136,840	184,970	233,959
Flemish	42,722	87,890	0.1	0.2	105.7	25,780	45,696	16,942	42,194
Scandinavian	2,781,402	2,972,798	8.6	8.9	6.9	1,872,150	1,194,833	1,009,352	1,777,863
Swedish	1,394,410	1,485,062	4.3	4.1	6.5	683,218	643,203	711,192	841,860
Norwegian	976,827	1,020,788	3.0	2.8	4.5	402,587	362,199	574,240	658,589
Danish <sup>3</sup>	410,165	466,946	1.3	1.3	13.8	186,345	189,531	223,820	277,415
Latin and Greek	4,185,939	6,036,001	13.0	18.6	44.2	2,385,388	2,990,954	1,800,554	3,045,047
Italian <sup>4</sup>	2,135,393	3,365,864	6.6	9.2	57.6	1,365,110	1,624,998	770,283	1,740,860
French	1,288,897	1,290,110	4.0	3.5	0.1	528,842	466,956	760,055	823,154
Spanish <sup>5</sup>	444,132	850,848	1.4	2.3	91.6	258,131	556,111	186,001	294,737
Portuguese	139,221	215,728	0.4	0.6	55.0	72,649	105,895	66,572	109,833
Rumanian	49,588	91,083	0.2	0.3	84.9	42,277	62,336	7,311	29,347
Greek	128,701	221,768	0.4	0.6	72.3	118,379	174,658	10,322	47,110
Slavic and Lettic	3,194,647	5,270,561	9.9	14.5	63.0	1,631,000	2,482,332	1,563,641	2,810,249
Polish	1,684,108	2,436,995	5.2	8.7	44.7	943,781	1,077,392	740,327	1,359,508
Czech	531,193	822,796	1.6	1.7	17.2	228,738	234,564	302,455	388,232
Slovak	281,707	619,866	0.9	1.7	120.0	166,474	274,948	115,233	344,918
Russian <sup>6</sup>	91,341	731,949	0.3	2.0	701.3	57,926	392,049	33,416	339,900
Ruthenian	34,837	95,458	0.1	0.3	174.0	25,131	55,672	9,706	39,786
Slovenian	181,594	208,552	0.6	0.6	14.8	123,631	102,744	57,963	105,808
Serbo-Croatian—									
Croatian	92,260	140,569	0.3	0.4	52.4	74,036	83,062	18,234	57,496
Dalmatian	5,372	2,119	( <sup>7</sup> )	( <sup>7</sup> )	-41.9	4,344	2,112	1,028	1,007
Serbian	26,483	52,208	0.1	0.1	97.1	23,403	36,471	2,080	15,737
Montenegrin	3,949	4,535	( <sup>7</sup> )	( <sup>7</sup> )	14.8	3,880	4,198	69	337
Bulgarian	19,183	14,420	0.1	( <sup>7</sup> )	-24.8	18,341	12,853	842	1,567
Slavic, not specified <sup>8</sup>	34,799	3,624	0.1	( <sup>7</sup> )	-89.6	21,012	2,030	13,767	1,585
Lithuanian and Lettish									
Lithuanian	207,821	336,600	0.6	0.9	62.0	140,963	182,227	66,858	154,373
Unclassified	2,261,563	2,956,321	7.0	8.1	30.7	1,465,420	1,609,073	796,143	1,354,945
Yiddish and Hebrew	1,664,142	2,043,613	5.2	5.6	22.8	1,061,767	1,091,820	612,375	951,793
Magyar	315,283	473,538	1.0	1.3	50.2	229,094	298,112	86,189	205,425
Finnish <sup>9</sup>	197,515	265,472	0.6	0.7	34.4	120,086	133,567	77,429	131,905
Armenian	29,600	52,840	0.1	0.1	78.0	23,938	37,647	5,762	15,193
Syrian and Arabic	46,495	104,139	0.1	0.3	124.0	32,868	57,557	13,627	46,582
Turkish	5,310	8,505	( <sup>7</sup> )	( <sup>7</sup> )	60.2	4,709	6,827	601	1,878
Albanian	2,358	6,426	( <sup>7</sup> )	( <sup>7</sup> )	172.5	2,312	5,515	46	911
All other <sup>10</sup>	770	1,788	( <sup>7</sup> )	( <sup>7</sup> )	132.2	646	1,226	124	500
Unknown or mixed mother tongue	868,838	811,394	2.6	2.3	9.7	116,272	7,166	772,566	804,228
Unknown	297,918	20,336	0.9	0.1	-93.2	116,272	7,166	181,646	13,170
Of mixed mother tongue <sup>11</sup>	590,920	791,058	1.8	2.2	33.0			590,920	791,058

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Includes persons reporting Irish, Scotch, or Welsh.

<sup>3</sup> Includes Icelandic (5,105 in 1910, 5,634 in 1920).

<sup>4</sup> Includes Romanash and Friulian (3,183 in 1910, 2,206 in 1920).

<sup>5</sup> Includes Basque (656 in 1910, 527 in 1920).

<sup>6</sup> Probably includes a considerable proportion of Hebrews, erroneously reported as of Russian mother tongue, especially in 1920; the increase over 1910 is misleading.

<sup>7</sup> Less than one-tenth of 1 per cent.

<sup>8</sup> Practically all Wendish in 1920; 395 reported as Wendish in 1910.

<sup>9</sup> Includes Lappish and Esthonian (2,533 in 1910, 1,390 in 1920).

<sup>10</sup> Comprises Persian (592 in 1910, 1,150 in 1920), Gypsy (156 in 1910, 173 in 1920), Georgian (14 in 1910, 65 in 1920), Kurdish (8 in 1910, 122 in 1920), and Egyptian (209 in 1920).

<sup>11</sup> The term "Of mixed mother tongue" refers to natives whose foreign-born parents were reported as of different mother tongues.

Source: Bureau of the Census, Department of Commerce.

**No. 33.—CITIZENSHIP OF FOREIGN-BORN WHITES, 21 YEARS AND OVER:  
BY PRINCIPAL COUNTRIES OF BIRTH, CONTINENTAL UNITED STATES, 1920**

Country of birth	Male					Female				
	Total 21 years and over <sup>1</sup>	Citizens		Having first papers	Aliens	Total 21 years and over <sup>1</sup>	Citizens		Having first papers	Aliens
		Num- ber	Per- cent				Num- ber	Per- cent		
1910, total <sup>2</sup>	4,044,573	3,084,117	45.0	570,778	2,398,535	3,570,906	2,522,767	34.0	77,532	2,294,673
1920, total	4,980,438	3,314,919	47.8	1,116,744	2,135,237	5,570,906	3,522,767	34.0	77,532	2,294,673
<b>EUROPE</b>										
<b>Northwestern Europe:</b>										
England	392,116	253,937	64.8	50,338	55,148	353,282	223,702	64.2	4,500	83,301
Scotland	122,568	77,903	63.6	18,128	16,942	108,946	67,709	62.2	1,624	29,901
Wales	34,806	25,591	73.5	2,967	2,885	29,429	22,169	75.3	232	3,942
Ireland	448,573	324,100	72.3	43,995	47,181	573,104	350,821	61.2	8,269	152,383
Norway	195,101	131,322	67.3	29,223	23,640	153,784	106,710	69.4	2,684	32,583
Sweden	234,849	232,761	99.5	47,632	37,237	270,700	190,931	70.5	4,594	58,039
Denmark	109,754	76,412	69.6	15,447	10,978	71,044	51,127	72.0	1,105	13,771
Netherlands	67,901	39,462	58.1	12,304	12,135	49,276	30,459	61.8	778	14,743
Belgium and Lux- embourg	39,295	21,722	55.3	8,504	6,515	27,228	15,213	55.9	487	9,573
Switzerland	65,656	42,623	64.9	7,915	9,934	48,736	32,885	67.5	744	10,281
France	73,937	44,421	60.1	9,811	13,567	66,959	38,309	57.2	1,101	20,866
<b>Central Europe:</b>										
Germany	873,231	639,843	73.3	101,473	74,277	775,653	573,608	74.0	13,722	117,478
Poland	602,918	168,354	27.9	139,759	279,386	445,132	134,281	30.2	6,339	290,025
Czechoslovakia	182,913	81,705	44.7	45,520	49,119	152,417	76,630	50.3	2,832	65,994
Austria	300,899	109,615	36.4	53,446	114,712	227,262	95,045	41.8	2,299	116,991
Hungary	196,093	55,188	28.1	50,215	84,406	157,699	50,995	32.3	2,645	97,355
Yugoslavia	107,974	23,140	21.4	27,687	54,134	47,982	15,676	32.7	836	30,086
<b>Eastern Europe:</b>										
Russia	682,208	284,320	41.7	127,879	246,604	629,129	225,241	35.8	6,661	274,844
Lithuania	79,308	29,254	36.9	16,186	41,194	48,334	12,979	26.9	544	33,642
Finland	80,407	31,550	39.2	17,486	28,511	59,608	27,323	45.8	1,047	28,589
Rumania	52,979	21,602	40.8	11,718	17,949	39,138	17,278	44.1	618	19,516
Bulgaria and Tur- key in Europe	12,530	1,606	12.8	2,310	8,083	2,035	26.0	42	1,382	1,382
<b>Southern Europe:</b>										
Greece	135,207	23,093	17.1	20,736	85,459	26,308	5,036	19.1	308	19,904
Italy	858,111	259,547	30.2	154,230	418,583	550,822	160,166	29.1	5,366	366,344
Spain	31,540	2,814	8.9	2,285	25,061	9,896	1,636	16.5	62	7,655
Portugal	33,837	5,854	17.3	2,274	24,527	22,739	4,211	18.5	120	17,622
Other Europe	7,916	1,814	22.9	1,112	4,610	2,573	1,279	49.7	42	990
<b>ASIA</b>										
Armenia	23,746	6,664	28.1	4,419	11,861	9,780	3,349	34.2	144	6,926
Syria	26,478	8,821	33.3	3,610	12,683	18,097	5,236	29.0	262	11,568
All other Asia	13,539	3,817	28.2	2,196	6,715	5,214	2,142	41.1	83	2,608
<b>AMERICA</b>										
Canada—French	141,514	66,579	47.0	21,997	46,094	132,662	66,402	50.1	1,179	57,479
Canada—Other and Newfoundland	355,093	205,794	58.0	44,257	69,690	384,507	248,783	64.7	4,671	96,907
Mexico	189,974	6,363	3.3	2,506	172,127	129,733	11,261	8.7	240	112,996
West Indies <sup>3</sup>	11,690	3,461	29.6	1,088	5,673	9,969	3,220	32.2	107	5,227
Central and South America	9,215	2,147	23.3	1,058	3,052	5,331	1,903	35.7	85	2,726
<b>OTHER COUNTRIES</b>										
Australia	5,370	2,446	45.5	825	1,491	4,362	2,553	58.7	73	1,324
Atlantic Islands <sup>4</sup>	18,393	4,395	23.9	1,213	12,209	15,164	3,336	22.0	58	11,289
All other <sup>5</sup>	8,813	3,871	43.9	938	1,855	6,134	3,693	60.2	69	1,383

<sup>1</sup> Totals include persons whose citizenship was not reported.

<sup>2</sup> No inquiry as to the citizenship of females prior to 1920.

<sup>3</sup> Except possessions of the United States.

<sup>4</sup> Includes Azores and Cape Verde Islands.

<sup>5</sup> Comprises Africa, Pacific Islands, country not specified, and at sea.

Source: Bureau of the Census, Department of Commerce.

## No. 84.—FOREIGN-BORN WHITES BY

Division and State	Total foreign- born white, 1920	Northwestern Europe							
		United Kingdom and Ireland				Scandinavia			Nether- lands
		Eng- land	Scot- land	Wales	Ireland	Nor- way	Swe- den	Den- mark	
<b>Continental United States.</b>	<b>13,712,764</b>	<b>812,828</b>	<b>254,587</b>	<b>67,066</b>	<b>1,037,233</b>	<b>262,583</b>	<b>625,500</b>	<b>188,164</b>	<b>131,788</b>
<b>New England.</b>	<b>1,870,664</b>	<b>147,098</b>	<b>47,601</b>	<b>2,899</b>	<b>267,428</b>	<b>2,584</b>	<b>67,298</b>	<b>8,458</b>	<b>2,912</b>
Maine	107,349	5,149	2,171	137	5,742	581	2,028	1,055	50
New Hampshire	91,233	4,367	1,823	51	7,908	427	1,896	204	177
Vermont	44,326	2,197	1,854	549	2,884	108	1,123	155	32
Massachusetts	1,077,534	86,895	28,474	1,367	183,171	5,491	38,012	3,829	2,071
Rhode Island	173,499	25,782	5,602	245	22,268	645	6,542	365	138
Connecticut	376,513	22,708	7,487	680	45,464	1,414	17,627	3,040	644
<b>Middle Atlantic.</b>	<b>4,912,575</b>	<b>272,758</b>	<b>83,883</b>	<b>29,188</b>	<b>678,319</b>	<b>25,382</b>	<b>83,547</b>	<b>22,981</b>	<b>27,547</b>
New York	2,786,112	135,305	37,654	5,763	284,747	27,573	53,025	14,222	13,772
New Jersey	728,613	46,781	17,781	1,265	68,971	5,243	10,676	5,704	12,737
Pennsylvania	1,387,850	90,666	28,444	21,167	121,601	2,446	19,847	3,055	1,328
<b>East North Central.</b>	<b>2,223,279</b>	<b>163,898</b>	<b>61,680</b>	<b>16,296</b>	<b>135,147</b>	<b>22,137</b>	<b>165,268</b>	<b>42,012</b>	<b>59,693</b>
Ohio	678,697	43,140	12,148	7,772	29,262	1,487	7,266	2,353	2,529
Indiana	150,868	6,522	3,707	1,106	7,271	544	4,942	969	2,018
Illinois	1,206,961	54,247	19,598	3,444	74,274	27,785	106,677	17,098	14,344
Michigan	726,635	47,149	13,173	1,164	16,631	6,688	24,707	7,178	23,499
Wisconsin	460,128	10,834	3,022	1,750	7,809	45,433	22,896	15,420	7,472
<b>West North Central.</b>	<b>1,371,901</b>	<b>53,623</b>	<b>17,196</b>	<b>6,693</b>	<b>49,856</b>	<b>166,290</b>	<b>187,625</b>	<b>61,748</b>	<b>94,299</b>
Minnesota	486,164	10,958	3,928	854	10,289	90,188	112,117	16,904	5,380
Iowa	226,647	12,036	3,967	1,753	10,686	17,344	22,493	18,020	12,471
Missouri	186,026	10,400	2,969	903	15,022	610	4,741	1,628	906
North Dakota	131,503	2,287	1,229	120	1,660	38,190	10,543	4,552	908
South Dakota	82,391	2,943	632	346	1,954	16,813	5,575	5,063	3,216
Nebraska	149,652	6,000	1,695	547	5,422	2,165	18,821	12,338	846
Kansas	116,578	7,899	2,576	1,170	4,825	970	10,327	2,262	575
<b>South Atlantic.</b>	<b>216,990</b>	<b>24,289</b>	<b>7,486</b>	<b>1,773</b>	<b>20,145</b>	<b>2,269</b>	<b>6,418</b>	<b>2,199</b>	<b>1,459</b>
Delaware	19,810	1,497	411	44	2,895	55	316	77	37
Maryland	102,177	5,095	1,692	499	6,680	536	630	332	314
District of Columbia	28,548	2,990	793	106	4,320	219	481	237	177
Virginia	30,785	3,762	1,327	163	1,732	491	664	469	335
West Virginia	61,906	3,433	998	704	1,459	51	326	121	86
North Carolina	7,099	967	446	26	301	70	170	69	115
South Carolina	6,401	491	190	10	442	85	133	76	30
Georgia	16,186	1,593	630	86	1,112	132	299	127	72
Florida	43,008	4,451	1,068	136	1,304	610	1,399	575	267
<b>East South Central.</b>	<b>71,989</b>	<b>6,080</b>	<b>2,028</b>	<b>465</b>	<b>5,934</b>	<b>450</b>	<b>1,514</b>	<b>581</b>	<b>328</b>
Kentucky	30,780	1,863	520	149	3,422	78	214	89	150
Tennessee	15,478	1,665	454	143	1,291	62	306	138	58
Alabama	17,662	1,942	975	145	809	216	748	191	83
Mississippi	8,019	590	144	18	412	97	247	113	31
<b>West South Central.</b>	<b>469,333</b>	<b>13,327</b>	<b>2,711</b>	<b>788</b>	<b>2,320</b>	<b>2,691</b>	<b>6,220</b>	<b>2,690</b>	<b>1,109</b>
Arkansas	13,975	1,137	316	90	676	99	231	180	116
Louisiana	44,871	1,819	447	76	2,000	555	622	331	290
Oklahoma	39,968	2,680	1,120	319	1,321	297	921	561	196
Texas	360,519	7,685	1,628	278	4,333	1,740	4,536	1,506	534
<b>Mountain.</b>	<b>452,225</b>	<b>44,576</b>	<b>12,966</b>	<b>4,907</b>	<b>19,654</b>	<b>17,400</b>	<b>22,222</b>	<b>17,023</b>	<b>5,299</b>
Montana	93,620	8,159	2,279	879	7,260	9,962	7,179	2,990	1,675
Idaho	39,963	4,451	1,228	575	1,410	2,482	5,112	2,240	439
Wyoming	25,255	2,506	1,439	297	956	651	2,042	936	130
Colorado	118,954	9,584	3,357	1,482	6,191	1,525	10,112	2,823	863
New Mexico	29,077	888	440	78	434	128	310	115	70
Arizona	78,099	2,882	595	192	1,206	837	659	298	69
Utah	66,456	14,636	2,310	1,304	1,207	2,109	6,073	6,970	1,980
Nevada	14,802	1,271	338	100	970	206	545	651	36
<b>Pacific.</b>	<b>1,033,866</b>	<b>87,331</b>	<b>28,698</b>	<b>6,686</b>	<b>28,428</b>	<b>42,719</b>	<b>77,260</b>	<b>20,862</b>	<b>2,606</b>
Washington	250,055	20,806	7,686	2,040	8,927	20,204	24,792	8,229	2,097
Oregon	102,181	7,963	2,609	592	4,203	6,655	10,522	3,602	917
California	681,630	58,562	16,867	3,433	45,308	11,400	31,926	18,721	4,592

## COUNTRY OF BIRTH, BY STATES, 1920

Northwestern Europe—Continued			Central Europe						Eastern Europe		Division and State
Belgium and Luxemburg	Switzerland	France	Germany	Poland	Czechoslovakia	Austria	Hungary	Yugoslavia	Russia	Lithuania	
75,371	118,858	152,880	1,086,103	1,139,978	563,438	575,825	597,383	169,437	1,400,489	123,008	U. S.
4,385	2,783	12,946	61,189	131,378	9,658	23,081	18,187	2,406	147,371	36,361	W. R.
57	62	344	982	1,717	410	305	72	143	3,763	1,032	Me.
433	72	298	1,714	3,997	75	389	66	120	3,467	1,017	N. H.
17	187	197	630	1,726	106	283	264	56	1,333	67	Vt.
2,539	1,268	7,120	22,113	69,157	2,229	8,046	1,367	950	92,034	20,789	Mass.
982	211	1,971	3,126	8,158	264	1,307	176	146	8,055	794	R. I.
456	1,863	3,326	22,614	46,623	6,558	12,699	13,222	■	38,719	11,662	Conn.
12,943	30,083	56,149	508,226	515,708	133,663	310,844	190,234	43,067	763,391	48,694	M. A.
1,964	15,053	22,179	296,660	247,519	38,247	161,172	78,374	8,547	529,240	12,121	N. Y.
2,650	8,165	10,165	92,382	90,419	16,747	36,917	40,470	2,313	73,527	6,246	N. J.
4,961	6,875	12,806	120,194	177,770	68,899	122,758	71,390	36,227	161,124	30,227	Pa.
24,799	30,378	29,812	■	403,266	■	145,378	149,893	78,943	294,083	44,307	E. W. C.
2,175	9,656	8,066	111,963	67,579	42,121	48,073	73,181	30,377	43,690	4,095	Ohio.
2,621	2,354	3,247	37,377	17,791	3,941	9,100	9,361	4,471	7,673	1,445	Ind.
14,549	7,837	11,993	206,491	162,406	66,709	46,457	34,437	19,285	117,899	30,358	Ill.
10,978	2,759	4,174	86,047	103,926	11,161	22,004	22,607	9,426	45,312	6,475	Mich.
4,475	7,797	2,142	151,260	50,658	19,511	19,641	10,016	8,784	21,447	2,934	Wis.
12,086	16,839	11,422	253,065	38,363	55,906	57,504	17,640	18,189	110,795	1,096	W. N. C.
3,838	2,720	1,803	74,634	18,537	12,626	1,550	4,277	10,697	16,100	741	Minn.
2,862	2,871	2,126	70,642	2,026	9,150	4,334	747	1,003	7,319	687	Iowa.
1,263	4,994	3,825	56,776	7,636	4,971	8,678	8,080	2,837	18,709	417	Mo.
685	506	369	11,980	2,236	2,066	2,069	2,519	■	29,617	22	N. Dak.
731	761	335	15,674	792	2,819	1,161	665	470	11,193	14	S. Dak.
952	1,908	866	40,969	4,615	15,818	4,561	810	738	15,718	139	Nebr.
1,784	2,298	2,136	22,380	2,418	3,466	5,183	622	2,155	12,060	68	Kans.
1,684	1,949	4,112	40,896	35,423	8,690	12,077	■	2,661	48,363	3,945	S. A.
29	76	196	1,632	3,847	122	615	228	■	2,244	90	Del.
157	509	812	22,032	12,061	3,563	3,620	1,947	359	24,791	■	Md.
69	359	697	3,382	716	122	525	219	43	5,181	36	D. C.
129	329	456	2,802	1,103	897	921	1,298	127	5,421	71	Va.
944	545	623	3,798	5,799	1,549	5,115	6,280	2,802	3,911	717	W. Va.
18	72	136	702	210	20	140	66	29	922	29	N. C.
62	31	78	1,079	361	45	206	56	22	1,187	9	S. C.
52	161	376	1,896	917	123	401	246	84	3,452	72	■
154	367	731	3,534	428	189	525	383	88	1,243	13	Fla.
299	1,176	1,191	16,652	2,590	617	1,023	1,889	788	7,408	76	E. S. C.
102	1,315	964	11,137	1,037	240	906	1,064	354	2,736	66	Ky.
39	616	333	2,159	841	87	366	326	37	2,262	2	Tenn.
81	174	618	2,427	394	282	563	372	155	1,582	12	Ala.
44	71	268	929	318	63	136	47	229	628	5	Miss.
1,207	1,433	1,071	47,217	7,908	13,458	9,198	1,664	1,967	■	219	W. S. C.
102	736	267	3,979	529	492	636	■	117	662	27	Ark.
339	878	4,182	5,147	377	302	725	305	312	1,928	23	La.
341	629	956	7,029	1,253	1,825	1,393	311	218	5,005	132	Okla.
806	1,000	2,544	31,062	5,047	12,619	6,441	940	620	7,057	37	Tex.
1,899	4,691	4,865	38,652	4,675	5,295	13,070	2,233	10,771	26,890	290	■
826	1,181	889	7,873	1,219	1,646	3,296	935	3,782	5,208	80	Mont.
163	1,347	482	4,143	267	420	781	233	400	1,458	9	Idaho.
168	302	361	2,392	544	518	1,183	349	1,189	1,482	33	Wyo.
521	1,510	1,420	11,992	1,867	1,953	5,722	1,157	2,109	16,669	116	Colo.
82	148	277	1,178	153	113	423	139	535	254	6	N. Mex.
82	269	394	1,516	261	146	480	210	1,167	616	16	Ariz.
109	1,569	634	3,689	240	163	967	179	834	684	12	Utah.
31	376	609	1,069	104	85	190	40	693	124	7	Nev.
4,999	22,994	24,112	108,226	12,486	6,391	22,566	7,617	12,098	45,237	688	Pac.
1,753	3,671	2,452	22,215	2,906	1,792	6,494	1,066	2,565	11,124	527	Wash.
868	4,146	1,273	13,740	1,480	1,132	2,796	909	1,189	8,979	101	Oreg.
2,645	14,097	20,387	67,189	7,082	3,377	13,264	5,252	7,277	27,224	260	Calif.

## No. 34.—FOREIGN-BORN WHITES BY COUNTRY

Division and State	Eastern Europe—Continued				Southern Europe				Other Europe <sup>1</sup>
	Finland	Rumania	Bulgaria	Turkey in Europe	Greece	Italy	Spain	Portugal	
<b>Continental United States.</b>	<b>149,824</b>	<b>102,823</b>	<b>10,477</b>	<b>5,284</b>	<b>175,972</b>	<b>1,610,109</b>	<b>49,247</b>	<b>67,453</b>	<b>11,509</b>
<b>New England.....</b>	<b>19,543</b>	<b>3,128</b>	<b>214</b>	<b>631</b>	<b>32,186</b>	<b>238,508</b>	<b>2,856</b>	<b>38,426</b>	<b>3,028</b>
Maine.....	1,393	67	5	66	1,228	2,797	33	143	413
New Hampshire.....	1,558	25	8	-----	5,280	2,074	18	115	120
Vermont.....	476	19	3	-----	167	4,067	661	29	10
Massachusetts.....	14,570	1,445	120	451	20,441	117,007	824	28,315	2,047
Rhode Island.....	320	370	45	45	1,219	32,241	87	8,624	153
Connecticut.....	1,226	1,202	33	69	3,851	80,322	1,233	1,200	285
<b>Middle Atlantic.....</b>	<b>17,431</b>	<b>55,910</b>	<b>1,336</b>	<b>2,534</b>	<b>44,531</b>	<b>925,222</b>	<b>16,731</b>	<b>2,848</b>	<b>2,568</b>
New York.....	12,504	40,116	614	2,050	26,117	545,173	12,548	1,404	1,257
New Jersey.....	2,109	4,564	66	195	4,521	157,285	2,000	646	224
Pennsylvania.....	2,818	11,230	656	289	13,893	222,764	2,183	798	1,087
<b>East North Central.....</b>	<b>46,576</b>	<b>29,338</b>	<b>5,806</b>	<b>1,035</b>	<b>45,135</b>	<b>203,180</b>	<b>3,006</b>	<b>354</b>	<b>3,230</b>
Ohio.....	6,406	13,068	2,535	569	13,540	60,658	1,280	146	783
Indiana.....	237	2,731	431	70	4,182	6,712	467	14	149
Illinois.....	3,080	6,238	940	181	16,465	94,407	746	110	675
Michigan.....	30,096	6,331	1,692	179	7,115	30,216	441	67	1,074
Wisconsin.....	6,757	970	208	36	3,833	11,187	74	17	549
<b>West North Central.....</b>	<b>31,635</b>	<b>6,950</b>	<b>1,095</b>	<b>124</b>	<b>11,236</b>	<b>34,488</b>	<b>775</b>	<b>56</b>	<b>727</b>
Minnesota.....	29,108	2,385	456	30	2,391	7,432	36	7	190
Iowa.....	107	297	269	18	2,884	4,956	41	14	85
Missouri.....	98	1,647	145	44	3,022	14,609	435	12	278
North Dakota.....	1,108	1,811	31	17	420	176	6	2	25
South Dakota.....	1,085	154	97	5	375	413	5	4	28
Nebraska.....	73	371	61	4	1,504	3,547	38	6	62
Kansas.....	56	285	36	6	640	3,355	214	11	59
<b>South Atlantic.....</b>	<b>1,281</b>	<b>2,163</b>	<b>161</b>	<b>203</b>	<b>11,449</b>	<b>40,967</b>	<b>6,523</b>	<b>436</b>	<b>374</b>
Delaware.....	52	110	-----	3	286	4,136	142	18	7
Maryland.....	175	537	18	19	964	9,543	221	21	80
District of Columbia.....	104	86	5	72	1,207	3,764	108	11	25
Virginia.....	240	165	17	32	1,796	2,435	263	95	86
West Virginia.....	289	625	98	23	3,186	14,147	1,540	14	73
North Carolina.....	15	31	1	17	551	453	16	10	7
South Carolina.....	53	26	1	10	578	344	19	6	10
Georgia.....	42	111	5	21	1,473	700	123	39	61
Florida.....	311	472	16	6	1,408	4,745	4,091	222	25
<b>East South Central.....</b>	<b>219</b>	<b>441</b>	<b>51</b>	<b>50</b>	<b>2,014</b>	<b>8,584</b>	<b>212</b>	<b>20</b>	<b>112</b>
Kentucky.....	50	192	28	22	401	1,933	68	6	31
Tennessee.....	33	93	5	5	491	2,079	14	6	38
Alabama.....	74	120	18	22	915	2,732	70	4	33
Mississippi.....	62	36	-----	1	207	1,841	60	4	10
<b>West South Central.....</b>	<b>455</b>	<b>663</b>	<b>241</b>	<b>101</b>	<b>3,483</b>	<b>27,724</b>	<b>2,495</b>	<b>183</b>	<b>348</b>
Arkansas.....	18	62	17	1	277	1,314	22	4	11
Louisiana.....	147	93	49	14	610	16,264	1,268	100	76
Oklahoma.....	101	65	105	11	619	2,122	124	13	50
Texas.....	189	443	70	75	1,977	8,024	1,081	66	211
<b>Mountain.....</b>	<b>7,718</b>	<b>1,053</b>	<b>821</b>	<b>72</b>	<b>9,483</b>	<b>28,497</b>	<b>4,561</b>	<b>333</b>	<b>249</b>
Montana.....	3,577	344	264	28	1,465	3,842	68	30	51
Idaho.....	989	104	39	5	716	1,323	1,416	39	48
Wyoming.....	856	71	72	2	1,236	1,948	139	29	9
Colorado.....	879	394	349	12	1,802	12,579	297	33	54
New Mexico.....	49	8	18	2	288	1,678	198	18	8
Arizona.....	407	51	28	10	329	1,261	1,013	30	14
Utah.....	779	69	30	12	3,029	3,225	250	4	60
Nevada.....	182	12	21	1	618	2,641	1,180	149	5
<b>Pacific.....</b>	<b>24,966</b>	<b>3,177</b>	<b>762</b>	<b>534</b>	<b>16,455</b>	<b>103,639</b>	<b>12,086</b>	<b>24,798</b>	<b>873</b>
Washington.....	11,863	422	267	229	4,214	10,813	410	156	168
Oregon.....	6,050	352	214	41	1,928	4,324	553	125	47
California.....	7,053	2,403	271	264	10,313	88,502	11,123	24,517	658

<sup>1</sup>Comprises Albania, Danzig, Fiume, Saar Basin, and "Europe, not specified."<sup>2</sup>Comprises Hedjaz, India, China, Japan, Palestine, and "Asia, not specified."

Source: Bureau of the Census, Department of Commerce.

## OF BIRTH, BY STATES, 1920—Continued

Asia				America						Other countries		All other <sup>1</sup>	Division and State
Armenia	Syria	Turkey in Asia	Other Asia <sup>2</sup>	Canada		Newfoundland	Mexico	West Indies <sup>3</sup>	Central and South America	Atlantic Islands <sup>4</sup>	Australia		
				French	Other								
34,033	31,900	11,016	14,919	307,786	610,098	13,342	475,363	36,389	20,039	30,984	10,801	17,737	U. S.
11,004	11,181	2,808	1,187	240,386	233,971	8,196	803	1,446	1,061	23,484	591	1,298	N. E.
142	627	43	52	35,590	38,570	215	9	81	17	10	23	71	Me.
275	523	80	16	38,277	13,997	182	9	33	31	40	21	39	N. H.
53	228	5	19	14,181	10,687	67	5	12	42	3	5	26	Vt.
8,640	7,129	1,671	513	109,691	153,330	7,165	131	871	1,056	25,230	337	657	Mass.
1,650	1,285	262	87	26,887	7,625	233	7	139	237	2,991	43	67	R. I.
1,001	1,300	225	509	14,769	9,862	336	42	310	296	210	102	402	Conn.
10,006	15,501	4,385	2,507	17,045	190,049	2,772	4,949	11,698	9,650	839	2,188	6,075	N. A.
5,599	8,127	3,200	2,361	15,560	96,414	1,809	2,897	9,532	7,430	569	1,360	2,444	N. Y.
2,275	2,062	440	507	772	9,520	479	409	1,120	1,040	179	317	641	N. J.
2,932	5,312	665	639	713	14,115	487	1,646	1,040	1,180	87	511	990	Pa.
6,157	9,739	2,086	2,666	29,297	222,918	690	6,648	1,989	1,875	261	1,418	4,297	E. N. C.
906	3,090	637	461	1,277	22,899	147	915	533	451	—	232	679	Ohio.
134	717	138	171	406	4,690	44	661	51	80	7	77	239	Ind.
1,715	1,149	502	1,260	4,032	34,343	311	3,854	389	743	195	598	1,240	Ill.
2,498	3,648	683	844	18,635	145,867	245	1,269	239	432	11	397	730	Mich.
904	532	138	159	4,917	14,414	83	149	77	169	6	109	1,349	Wis.
717	3,498	393	569	10,459	89,786	181	23,134	396	789	36	548	1,638	W. N. C.
174	818	100	130	6,796	26,936	56	287	56	116	14	104	451	Minn.
101	512	51	91	401	8,528	25	2,560	71	109	8	101	270	Iowa.
181	848	83	130	299	6,304	88	2,222	183	208	5	127	326	Mo.
78	399	21	34	1,533	14,017	20	27	4	39	—	35	119	N. Dak.
19	265	12	43	606	3,945	3	68	12	27	—	24	113	S. Dak.
129	414	28	65	351	5,407	20	2,452	28	71	4	80	208	Nebr.
30	259	27	68	571	4,748	9	12,568	32	159	4	67	160	Kans.
408	4,084	436	280	813	13,049	239	600	—	812	165	274	573	S. A.
6	2	0	13	23	423	8	50	28	15	1	12	21	Del.
43	72	39	59	117	1,747	61	—	215	176	23	61	130	Md.
65	211	62	46	147	1,541	18	65	114	154	7	25	80	D. C.
164	560	77	77	106	1,817	—	79	94	117	29	41	92	Va.
41	1,235	157	31	54	903	6	74	20	48	3	33	66	W. Va.
10	592	23	44	15	635	7	28	34	36	1	14	32	N. C.
6	306	6	17	34	244	1	14	29	12	0	5	9	S. C.
29	473	49	36	50	905	22	53	99	44	9	26	50	Ga.
41	538	38	60	277	3,844	75	158	8,700	207	87	57	90	Fla.
61	1,561	95	145	179	2,967	29	569	303	181	11	90	186	E. S. C.
20	309	22	40	50	836	13	133	36	56	2	26	85	Ky.
18	127	20	48	47	925	9	167	38	44	2	15	41	Tenn.
22	482	29	31	52	840	3	132	201	65	7	21	43	Ala.
1	563	12	29	30	367	7	97	28	36	—	8	29	Miss.
148	3,436	306	398	690	8,166	100	359,007	894	1,299	56	308	757	W. S. C.
7	213	10	23	58	822	20	259	15	23	4	25	50	Ark.
27	954	61	61	1571	1,008	16	2,399	495	844	13	60	107	La.
15	691	21	73	126	2,349	11	6,697	43	67	2	54	104	Okla.
99	1,579	114	225	249	3,928	53	249,652	271	291	36	169	496	Tex.
299	1,294	190	314	3,482	30,185	196	96,508	909	445	164	633	1,117	Mt.
140	192	69	58	2,211	12,105	63	214	25	71	5	81	192	Mont.
13	49	15	31	476	4,478	59	1,125	10	24	23	57	184	Idaho.
62	62	25	22	92	1,346	4	1,786	14	29	7	17	50	Wyo.
46	299	30	103	418	7,203	39	10,894	91	183	8	112	177	Colo.
2	198	6	13	42	690	3	19,906	15	20	2	14	36	N. Mex.
8	327	15	47	90	1,872	16	60,325	41	72	1	81	134	Ariz.
90	174	18	26	45	1,421	4	1,063	8	30	4	221	294	Utah.
11	12	20	12	106	1,070	8	1,169	5	36	104	40	50	Nev.
6,099	1,792	1,046	1,738	5,566	119,758	708	27,612	911	4,211	8,984	4,836	2,840	Pac.
259	216	289	315	2,581	40,407	318	434	100	303	44	610	669	Wash.
63	185	56	95	679	12,095	49	599	58	122	48	213	296	Oreg.
5,987	1,259	704	1,328	2,806	57,356	336	86,610	753	3,880	8,892	4,013	2,875	Calif.

<sup>1</sup> Except possessions of the United States.<sup>2</sup> Includes Azores and Cape Verde Islands.<sup>3</sup> Comprises Africa, Pacific Islands, country not specified, and at sea.



## No. 85.—URBAN AND RURAL POPULATION, BY STATES

[NOTE.—All incorporated places, and in Massachusetts, Rhode Island, and New Hampshire (prior to 1920, also in other New England States) all towns, having 2,500 inhabitants or more are treated as urban and the remainder of the country as rural. Total urban population of United States, 1880, 14,358,167, 1900, 22,266,359; rural, 1880, 35,797,612, 1900, 40,649,355, per cent urban, 1880, 28.6, 1900, 35.4]

Division and State	1900		1910		1920		Per cent urban		
	Urban	Rural	Urban	Rural	Urban	Rural	1900	1910	1920
<b>Continental United States</b>	<b>20,280,433</b>	<b>45,614,142</b>	<b>42,186,190</b>	<b>49,808,146</b>	<b>64,304,603</b>	<b>51,406,017</b>	<b>40.0</b>	<b>45.8</b>	<b>51.4</b>
<b>New England</b>	<b>4,053,497</b>	<b>1,538,680</b>	<b>4,998,083</b>	<b>1,554,699</b>	<b>5,865,073</b>	<b>1,535,836</b>	<b>72.5</b>	<b>76.3</b>	<b>79.2</b>
Maine	232,827	461,639	262,348	480,123	299,569	468,445	33.5	35.3	39.0
New Hampshire	226,269	185,319	255,099	175,473	279,761	163,322	55.0	59.2	63.1
Vermont	75,831	267,810	96,917	297,039	109,976	242,452	22.1	27.8	31.2
Massachusetts	2,567,096	238,248	3,125,387	241,049	3,670,249	202,108	91.5	92.8	94.8
Rhode Island	407,647	20,909	524,654	17,956	589,180	15,217	95.1	96.7	97.5
Connecticut	543,755	304,663	731,797	382,959	936,339	444,292	59.9	65.6	67.8
<b>Middle Atlantic</b>	<b>10,075,883</b>	<b>5,378,790</b>	<b>13,793,373</b>	<b>5,593,619</b>	<b>16,673,895</b>	<b>5,568,649</b>	<b>65.9</b>	<b>71.0</b>	<b>74.9</b>
New York	5,296,111	1,970,783	7,165,494	1,928,120	8,599,844	1,795,383	72.9	78.6	82.7
New Jersey	1,329,162	554,507	1,907,219	629,957	2,474,936	690,994	70.6	75.2	78.4
Pennsylvania	3,448,610	2,853,505	4,630,669	3,034,442	5,607,816	3,112,202	54.7	60.4	64.3
<b>East North Central</b>	<b>7,919,975</b>	<b>8,765,606</b>	<b>9,617,871</b>	<b>8,693,350</b>	<b>13,049,379</b>	<b>8,496,371</b>	<b>45.9</b>	<b>52.7</b>	<b>60.8</b>
Ohio	1,996,382	2,199,163	2,665,143	2,101,978	3,677,136	2,092,258	48.1	53.9	63.8
Indiana	862,689	1,633,773	1,143,636	1,557,041	1,492,855	1,447,535	34.3	42.4	50.6
Illinois	2,616,368	2,205,182	3,476,929	2,161,662	4,403,153	2,082,127	54.3	61.7	67.9
Michigan	962,323	1,468,659	1,827,044	1,483,129	2,241,660	1,426,852	39.3	47.2	51.1
Wisconsin	790,213	1,278,829	1,004,320	1,329,540	1,244,668	1,397,499	38.2	43.0	47.8
<b>West North Central</b>	<b>2,946,644</b>	<b>7,400,879</b>	<b>3,673,716</b>	<b>7,764,908</b>	<b>4,787,379</b>	<b>7,816,877</b>	<b>28.6</b>	<b>33.3</b>	<b>37.7</b>
Minnesota	596,100	1,153,294	850,294	1,225,414	1,051,593	1,335,532	34.1	41.0	44.1
Iowa	572,386	1,650,467	680,054	1,544,717	875,495	1,525,526	25.6	30.6	36.4
Missouri	1,128,104	1,978,561	1,398,817	1,894,518	1,586,903	1,817,152	36.3	42.6	46.6
North Dakota	23,413	295,733	63,236	513,820	98,239	558,633	7.3	11.0	13.6
South Dakota	40,936	360,634	76,673	507,215	101,872	534,675	10.2	13.1	16.0
Nebraska	252,702	813,598	310,852	881,362	406,306	891,066	23.7	26.1	31.3
Kansas	330,903	1,139,592	493,790	1,197,159	617,964	1,151,293	22.5	29.2	34.9
<b>South Atlantic</b>	<b>2,332,692</b>	<b>8,910,848</b>	<b>3,093,169</b>	<b>9,109,749</b>	<b>4,338,799</b>	<b>9,651,480</b>	<b>21.4</b>	<b>25.4</b>	<b>31.0</b>
Delaware	85,717	99,018	97,085	106,237	120,767	102,236	46.4	48.0	54.2
Maryland	591,406	596,838	658,192	637,154	660,423	580,239	49.8	50.8	60.0
District of Columbia	278,718		331,069		437,571		100.0	100.0	100.0
Virginia	340,067	1,514,117	478,529	1,585,083	673,984	1,635,303	18.3	23.1	29.2
West Virginia	125,463	833,335	226,242	962,877	369,007	1,094,694	13.1	18.7	25.2
North Carolina	186,790	1,707,020	318,474	1,887,813	490,370	2,068,753	9.9	14.4	19.2
South Carolina	171,256	1,189,000	224,832	1,290,568	293,967	1,389,737	12.8	14.6	17.5
Georgia	346,382	1,869,949	538,650	2,070,471	727,859	2,167,973	15.6	20.6	25.1
Florida	107,031	421,811	219,080	533,539	355,825	612,643	20.3	29.1	36.7
<b>East South Central</b>	<b>1,131,056</b>	<b>8,418,701</b>	<b>1,974,239</b>	<b>6,635,679</b>	<b>1,964,907</b>	<b>8,699,100</b>	<b>15.0</b>	<b>18.7</b>	<b>22.2</b>
Kentucky	467,668	1,679,506	555,442	1,734,463	633,543	1,783,087	21.8	24.3	26.1
Tennessee	326,639	1,963,977	441,045	1,743,744	611,220	1,726,659	16.2	20.2	26.4
Alabama	216,714	1,611,963	370,431	1,767,662	509,317	1,838,867	11.9	17.3	21.7
Mississippi	120,035	1,431,235	207,311	1,586,803	240,121	1,550,497	7.7	11.5	13.4
<b>West South Central</b>	<b>1,067,197</b>	<b>5,475,063</b>	<b>1,957,456</b>	<b>6,827,078</b>	<b>2,970,839</b>	<b>7,271,395</b>	<b>16.1</b>	<b>22.3</b>	<b>29.0</b>
Arkansas	111,783	1,090,831	262,081	1,371,768	290,497	1,461,707	8.5	12.9	16.6
Louisiana	366,288	1,015,337	496,516	1,196,872	628,163	1,170,346	26.5	30.0	34.9
Oklahoma	58,417	791,974	320,165	1,337,000	539,490	1,488,803	7.4	19.3	26.6
Texas	520,759	2,527,951	938,104	2,958,438	1,512,689	3,150,539	17.1	24.1	32.4
<b>Mountain</b>	<b>641,363</b>	<b>1,133,294</b>	<b>947,311</b>	<b>1,686,006</b>	<b>1,214,060</b>	<b>2,121,121</b>	<b>32.5</b>	<b>36.0</b>	<b>36.4</b>
Montana	84,554	158,775	133,420	242,633	172,011	376,878	34.7	35.5	31.8
Idaho	10,003	161,769	60,898	256,698	119,087	312,829	6.2	21.5	27.6
Wyoming	26,667	65,874	43,221	102,744	57,348	137,054	28.8	29.8	29.5
Colorado	260,661	279,049	404,840	394,184	463,259	486,370	48.3	50.7	48.2
New Mexico	27,381	167,920	46,571	230,730	64,960	295,390	14.0	14.2	18.0
Arizona	19,495	103,436	63,209	141,094	117,527	216,635	15.9	31.0	35.2
Utah	105,427	171,322	172,934	200,417	215,584	233,813	38.1	46.3	48.0
Nevada	7,195	35,140	13,367	68,508	16,264	62,153	17.0	16.3	19.7
<b>Pacific</b>	<b>1,123,366</b>	<b>1,994,336</b>	<b>2,363,390</b>	<b>1,809,975</b>	<b>2,471,483</b>	<b>2,095,866</b>	<b>46.4</b>	<b>66.8</b>	<b>62.4</b>
Washington	211,477	306,621	605,530	536,460	748,735	607,866	40.8	53.0	55.2
Oregon	133,180	280,356	307,060	265,705	391,019	392,370	32.2	45.0	49.9
California	777,699	707,354	1,460,739	907,810	2,331,729	1,095,132	52.4	61.8	68.0

Source: Bureau of the Census, Department of Commerce.

**No. 36.—URBAN AND RURAL POPULATION: BY CLASSES AND AGE GROUPS,  
CONTINENTAL UNITED STATES**

[NOTE.—See headnote, Table 35]

Class	Number				Per cent distribution			
	Urban		Rural		Urban		Rural	
	1910	1920	1910	1920	1910	1920	1910	1920
<b>Total</b> .....	42, 166, 120	54, 304, 603	49, 806, 146	51, 406, 017	100. 0	100. 0	100. 0	100. 0
White.....	39, 379, 294	50, 620, 064	42, 352, 663	44, 200, 831	93. 4	93. 2	85. 0	86. 0
Negro.....	2, 684, 797	3, 559, 473	7, 142, 966	6, 903, 658	6. 4	6. 6	14. 3	13. 4
All other.....	102, 029	125, 046	310, 517	301, 528	0. 2	0. 2	0. 6	0. 6
<b>Native white:</b>								
Native parentage.....	17, 621, 230	24, 556, 729	31, 867, 345	33, 865, 228	41. 8	45. 2	64. 0	65. 9
Foreign or mixed parentage.....	12, 225, 331	15, 706, 372	6, 672, 506	6, 979, 832	29. 0	28. 9	13. 4	13. 6
Foreign-born white.....	9, 532, 733	10, 356, 983	3, 812, 812	3, 355, 771	22. 6	19. 1	7. 7	6. 5

	Sex distribution, 1920					
	Urban			Rural		
	Male	Female	Males per 100 females	Male	Female	Males per 100 females
<b>Total</b> .....	27, 203, 312	27, 101, 291	100. 4	26, 697, 119	24, 708, 896	108. 0
White.....	25, 373, 627	25, 246, 457	100. 5	23, 057, 028	21, 143, 803	109. 0
Negro.....	1, 737, 820	1, 821, 653	95. 4	3, 471, 616	3, 432, 042	101. 2
All other.....	91, 865	33, 181	276. 9	168, 475	133, 053	126. 6
<b>Native white:</b>						
Native parentage.....	12, 190, 465	12, 366, 264	98. 6	17, 446, 316	16, 418, 912	106. 3
Foreign or mixed parentage.....	7, 622, 766	8, 083, 606	94. 3	3, 642, 786	3, 337, 046	109. 2
Foreign-born white.....	5, 500, 396	4, 796, 587	115. 9	1, 967, 926	1, 387, 845	141. 8

Class	Age distribution, 1920					
	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 44 years	45 years and over
<b>URBAN POPULATION</b>						
<b>Total urban</b> .....	5, 275, 751	5, 050, 276	4, 664, 312	4, 445, 963	23, 203, 269	11, 508, 197
Per cent of total <sup>1</sup> .....	9. 7	9. 3	8. 6	8. 2	42. 7	21. 3
Males.....	2, 662, 585	2, 531, 575	2, 313, 652	2, 130, 053	11, 657, 721	5, 845, 617
Females.....	2, 613, 166	2, 518, 701	2, 350, 660	2, 315, 910	11, 545, 548	5, 720, 580
White.....	4, 995, 277	4, 751, 102	4, 368, 076	4, 127, 762	21, 375, 775	10, 917, 249
Negro.....	268, 069	291, 762	291, 094	310, 522	1, 762, 692	621, 935
All other.....	12, 405	7, 412	5, 142	7, 679	64, 802	27, 013
<b>Native white:</b>						
Native parentage.....	2, 791, 238	2, 534, 608	2, 333, 029	2, 210, 680	9, 985, 517	4, 639, 820
Foreign or mixed parentage.....	2, 174, 535	2, 096, 478	1, 790, 012	1, 503, 354	5, 689, 320	2, 444, 682
Foreign-born white.....	29, 504	120, 016	245, 035	413, 728	5, 700, 938	3, 832, 747
<b>RURAL POPULATION</b>						
<b>Total rural</b> .....	6, 297, 479	6, 347, 799	5, 976, 825	4, 984, 593	17, 352, 274	10, 397, 183
Per cent of total <sup>1</sup> .....	12. 3	12. 3	11. 6	9. 7	33. 8	20. 2
Males.....	3, 194, 876	3, 221, 426	3, 055, 654	2, 543, 739	8, 896, 244	5, 752, 414
Females.....	3, 102, 603	3, 126, 373	2, 921, 171	2, 440, 854	8, 454, 030	4, 644, 769
White.....	5, 378, 644	5, 336, 143	5, 001, 246	4, 186, 393	15, 011, 398	9, 248, 187
Negro.....	875, 630	974, 445	945, 820	772, 693	2, 233, 391	1, 091, 575
All other.....	43, 205	37, 211	29, 759	25, 507	107, 485	57, 421
<b>Native white:</b>						
Native parentage.....	4, 575, 292	4, 443, 255	4, 122, 680	3, 388, 366	10, 967, 215	6, 338, 088
Foreign or mixed parentage.....	787, 872	843, 020	792, 239	683, 813	2, 546, 535	1, 323, 114
Foreign-born white.....	15, 480	49, 868	86, 327	114, 214	1, 497, 648	1, 586, 985

<sup>1</sup> Per cents based on total for all ages including the small number reported as of unknown age.

Source: Bureau of the Census, Department of Commerce.

**No. 37.—URBAN AND RURAL POPULATION: MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER, BY MAJOR CLASSES, 1920, WITH COMPARATIVE TOTALS FOR 1910, CONTINENTAL UNITED STATES**

[NOTE.—The number divorced is considered to be understated. The small number unknown is omitted. The method of segregating the urban and rural population in certain New England States has been changed since 1910 (see headnote, Table 35), so that the absolute numbers for marital condition in 1910 are not strictly comparable; the percentages, however, would not be affected by the small change]

Class	Persons 15 years of age and over					Per cent of total			
	Total <sup>1</sup>	Single	Married	Widowed	Divorced	Single	Married	Widowed	Divorced
<b>1920</b>									
<b>URBAN POPULATION</b>									
<b>Males, total</b> .....	19,695,500	8,962,994	11,805,237	827,500	142,778	36.5	58.9	4.6	0.7
White.....	18,291,363	8,502,835	10,784,411	813,153	128,619	35.6	59.0	4.4	0.7
Negro.....	1,325,398	441,845	782,778	82,518	13,928	33.3	59.1	5.3	1.1
All other.....	78,739	37,614	38,060	1,829	231	47.8	48.3	2.2	0.3
Native white—									
Native parentage.....	8,350,135	3,025,709	4,846,805	363,354	77,523	36.2	58.0	4.4	0.8
Foreign or mixed parentage.....	4,578,547	2,121,369	2,269,772	181,574	28,683	46.3	49.6	3.3	0.8
Foreign-born white.....	5,362,678	1,355,757	3,667,834	296,225	22,413	25.3	68.4	5.6	0.4
<b>Females, total</b> .....	19,619,764	8,688,675	11,810,188	2,395,822	168,181	29.0	57.9	12.2	0.8
White.....	18,214,264	8,378,882	10,503,930	2,143,651	162,516	28.9	57.7	11.8	0.9
Negro.....	1,383,150	315,842	790,160	250,844	23,523	22.8	57.1	18.1	1.7
All other.....	21,348	3,949	16,092	1,127	142	18.5	75.4	5.3	0.7
Native white—									
Native parentage.....	8,547,716	2,654,151	4,801,681	976,781	101,304	31.1	56.2	11.4	1.2
Foreign or mixed parentage.....	5,066,800	2,008,742	2,661,345	452,393	38,585	39.6	51.6	8.9	0.8
Foreign-born white.....	4,590,750	715,969	3,140,910	714,477	22,627	15.6	68.3	15.9	0.5
<b>RURAL POPULATION</b>									
<b>Males, total</b> .....	17,225,163	8,965,971	10,244,089	800,808	93,508	34.7	59.5	5.0	0.8
White.....	15,044,223	8,279,830	8,913,702	736,011	79,044	35.1	59.3	4.9	0.5
Negro.....	2,067,813	663,032	1,267,631	118,210	12,781	32.1	61.3	5.7	0.6
All other.....	113,127	42,409	82,696	6,581	701	37.5	55.4	5.8	0.8
Native white—									
Native parentage.....	10,741,969	3,750,809	6,397,484	511,467	57,268	34.9	59.6	4.8	0.5
Foreign or mixed parentage.....	2,412,393	1,029,731	1,281,110	84,720	12,241	42.7	53.1	3.5	0.5
Foreign-born white.....	1,889,861	499,290	1,235,108	139,824	9,537	26.4	65.4	7.4	0.5
<b>Females, total</b> .....	16,558,731	8,918,229	10,008,746	1,529,003	87,123	35.2	54.8	9.5	0.5
White.....	15,440,575	8,393,850	8,706,302	1,256,011	66,049	28.3	64.8	9.3	0.5
Negro.....	2,039,950	509,416	1,249,021	257,117	20,348	25.0	61.2	12.6	1.0
All other.....	78,226	14,903	53,422	8,875	726	19.1	58.3	11.3	0.9
Native white—									
Native parentage.....	9,962,032	2,614,339	6,394,184	908,219	51,439	26.2	64.1	9.1	0.5
Foreign or mixed parentage.....	2,144,308	559,701	1,329,525	143,014	9,581	20.8	62.0	8.7	0.4
Foreign-born white.....	1,314,238	119,810	982,593	204,776	5,029	9.1	74.2	15.6	0.4
<b>1910</b>									
<b>Urban population—</b>									
Males.....	15,687,914	6,276,507	8,582,080	665,893	78,616	40.0	54.7	4.2	0.5
Females.....	15,333,653	5,025,467	8,376,444	1,786,292	110,991	33.6	54.6	11.6	0.7
<b>Rural population—</b>									
Males.....	16,737,891	6,273,622	9,510,520	805,497	77,546	37.5	56.8	4.8	0.5
Females.....	14,713,472	3,907,702	9,306,243	1,389,936	74,077	26.6	63.3	9.4	0.5

<sup>1</sup> Total includes persons whose marital condition was not reported

**No. 38.—DWELLINGS AND FAMILIES, URBAN AND RURAL: CONTINENTAL UNITED STATES**

Tenure	Urban		Rural	
	1910	1920	1910	1920
<b>Number of dwellings</b> .....	7,160,349	9,484,550	10,645,496	11,212,654
Average persons per dwelling.....	5.9	5.7	4.7	4.6
<b>Number of families</b> .....	9,395,436	12,903,047	10,860,119	11,548,629
Average persons per family.....	4.5	4.2	4.6	4.8
<b>Families having homes, 1920:</b>				
Rented.....	7,879,348	62.6	5,004,250	45.1
Owned—Free.....	2,440,805	19.8	4,081,424	37.8
Mortgaged.....	2,167,993	17.8	1,891,600	17.4
Unknown.....	99,027	(1)	196,221	(1)
Tenure unknown.....	215,984	(1)	325,134	(1)

<sup>1</sup>In computing percentages, the numbers representing the unknown items have been distributed in the same proportions as the known items.

Source of Tables 37 and 38: Bureau of the Census, Department of Commerce.

### No. 89.—POPULATION: MIDYEAR ESTIMATES FOR CITIES HAVING IN 1920 OVER 50,000 INHABITANTS

[NOTE.—No estimates made for cities where the last Federal census showed a decrease or where there were exceptional conditions of growth. For actual enumerations, see Table 40.]

City	1925	1924	1923	City	1925	1924	1923
Albany, N. Y.	117,820	119,000	119,500	Milwaukee, Wis.	509,192	517,000	536,400
Allentown, Pa.	92,151	94,600	97,000	Minneapolis, Minn.	425,435	434,000	447,700
Altoona, Pa.	68,148	67,000	67,800	Mobile, Ala.	65,955	66,800	67,700
Atlantic City, N. J.	53,387	53,800	54,200	Nashville, Tenn.	136,230	137,000	137,800
Augusta, Ga.	55,245	55,700	56,200	New Bedford, Mass.	119,539	(1)	(1)
Baltimore, Md.	796,396	808,000	819,000	New Britain, Conn.	68,030	69,600	71,200
Bayonne, N. J.	88,767	91,000	93,100	New Haven, Conn.	178,927	182,000	184,900
Berkeley, Calif.	66,309	67,800	69,400	New Orleans, La.	414,493	419,000	424,400
Bethlehem, Pa.	62,828	64,400	66,000	New York, N. Y.	5,873,356	5,924,000	5,970,800
Binghamton, N. Y.	71,915	72,900	73,900	Newark, N. J.	452,513	459,000	466,700
Birmingham, Ala.	206,670	211,000	217,500	Niagara Falls, N. Y.	57,033	58,300	60,000
Boston, Mass.	779,630	787,000	793,100	Norfolk, Va.	169,121	174,000	179,200
Brockton, Mass.	65,343	(1)	(1)	Oakland, Calif.	253,700	261,000	267,300
Buffalo, N. Y.	538,016	544,000	550,000	Omaha, Nebr.	211,768	216,000	219,200
Cambridge, Mass.	119,599	122,000	123,900	Pasaic, N. J.	68,979	69,900	70,800
Camden, N. J.	128,642	131,000	133,100	Paterson, N. J.	141,095	143,000	143,800
Canton, Ohio.	106,200	110,000	113,300	Pawtucket, R. I.	69,760	71,000	72,100
Charleston, S. C.	72,125	74,100	75,000	Peoria, Ill.	81,564	82,500	83,500
Chattanooga, Tenn.	66,575	72,200	72,900	Philadelphia, Pa.	1,979,364	2,008,000	2,035,900
Chester, Pa.	68,507	70,400	72,300	Pittsburgh, Pa.	631,563	637,000	666,500
Chicago, Ill.	2,965,239	3,048,000	3,102,500	Portland, Me.	75,333	76,400	77,500
Cincinnati, Ohio.	409,333	411,000	412,300	Portsmouth, Va.	59,029	59,900	60,700
Cleveland, Ohio.	936,483	960,000	984,300	Providence, R. I.	267,918	275,000	280,600
Columbus, Ohio.	279,836	285,000	291,400	Racine, Wis.	67,707	69,400	71,300
Covington, Ky.	56,309	58,500	59,700	Reading, Pa.	112,707	114,000	114,500
Dallas, Tex.	194,450	203,000	211,000	Richmond, Va.	186,403	189,000	191,600
Davenport, Iowa.	62,469	(1)	(1)	Roanoke, Va.	58,308	61,900	63,200
Dayton, Ohio.	172,942	177,000	180,700	Rochester, N. Y.	216,786	321,000	324,500
Denver, Colo.	280,911	285,000	289,800	Rockford, Ill.	76,462	78,400	79,000
Des Moines, Iowa.	141,441	146,000	148,900	Sacramento, Calif.	72,290	73,400	74,600
Detroit, Mich.	1,245,707	1,290,000	1,334,500	Saginaw, Mich.	72,100	73,300	74,400
Duluth, Minn.	110,502	113,000	114,700	St. Joseph, Mo.	78,342	78,400	78,500
East Orange, N. J.	59,967	61,700	63,300	St. Louis, Mo.	821,543	830,000	839,200
East St. Louis, Ill.	71,423	72,300	73,100	St. Paul, Minn.	246,001	248,000	250,100
El Paso, Tex.	104,929	109,000	113,500	Salt Lake City, Utah	130,948	133,000	135,700
Evansville, Ind.	93,601	95,100	96,600	San Antonio, Tex.	198,069	205,000	211,400
Fall River, Mass.	128,993	131,000	132,600	San Diego, Calif.	108,047	110,000	115,300
Flint, Mich.	130,316	136,000	142,700	San Francisco, Calif.	557,530	567,000	576,000
Fort Wayne, Ind.	97,846	99,900	103,100	Savannah, Ga.	93,134	94,900	99,700
Fort Worth, Tex.	154,847	159,000	163,600	Schenectady, N. Y.	92,786	93,000	93,200
Gary, Ind.	76,870	80,800	85,200	Seranton, Pa.	142,966	143,000	143,900
Grand Rapids, Mich.	163,668	156,000	161,900	Sioux City, Iowa.	76,411	78,000	79,000
Harrisburg, Pa.	83,422	84,800	85,700	Somerville, Mass.	99,032	100,000	101,600
Hartford, Conn.	160,197	164,000	168,300	South Bend, Ind.	80,091	81,700	84,200
Haverhill, Mass.	49,372	(1)	(1)	Spokane, Wash.	106,897	109,000	109,000
Holyoke, Mass.	60,335	60,400	60,400	Springfield, Ill.	63,923	64,700	66,400
Huntington, W. Va.	63,485	65,300	66,900	Springfield, Mass.	142,065	145,000	147,400
Indianapolis, Ind.	356,819	367,000	374,300	Springfield, Ohio.	68,725	70,200	71,600
Jacksonville, Fla.	135,866	138,000	138,900	Syracuse, N. Y.	182,003	185,000	197,000
Jersey City, N. J.	315,280	318,000	321,500	Tacoma, Wash.	104,455	106,000	107,200
Johnstown, Pa.	71,475	72,200	73,000	Tampa, Fla.	94,743	102,000	107,800
Kansas City, Kans.	116,053	117,000	117,500	Terre Haute, Ind.	71,071	71,900	72,700
Kansas City, Mo.	367,481	375,000	383,100	Toledo, Ohio.	287,380	295,000	305,400
Knoxville, Tenn.	95,494	98,800	102,100	Topeka, Kans.	55,411	56,500	61,900
Lancaster, Pa.	56,505	57,100	57,700	Trenton, N. J.	132,020	134,000	136,700
Lansing, Mich.	70,753	73,200	75,600	Troy, N. Y.	72,223	72,300	72,300
Lawrence, Mass.	93,527	93,500	(1)	Tulsa, Okla.	124,478	133,000	150,000
Lincoln, Nebr.	60,941	62,000	63,900	Utica, N. Y.	101,604	103,000	103,400
Little Rock, Ark.	74,216	75,900	77,500	Washington, D. C.	514,000	528,000	540,000
Long Beach, Calif.	91,182	97,700	104,200	Wichita, Kans.	88,367	92,500	96,100
Louisville, Ky.	302,997	311,000	320,100	Wilkes-Barre, Pa.	77,644	78,300	80,900
Lowell, Mass.	110,296	(1)	(1)	Wilmington, Del.	122,049	124,000	126,400
Lynn, Mass.	103,061	104,000	104,800	Worcester, Mass.	190,757	193,000	196,500
Macon, Ga.	58,237	59,200	60,100	Yonkers, N. Y.	113,647	116,000	118,800
Manchester, N. H.	63,697	64,000	64,800	Youngstown, Ohio.	159,970	165,000	169,400
Memphis, Tenn.	174,533	177,000	178,900				

No estimate made.

Source: Bureau of the Census, Department of Commerce.

## No. 40.—POPULATION STATISTICS OF CITIES

[NOTE.—Per cents show proportion which specified class forms of total population of the city. The

City	Total population					Native white, native parentage		
	1880	1890	1900	1910	1920	Number, 1910	Number, 1920	Per cent, 1920
Akron, Ohio	16,512	27,601	42,729	69,067	208,435	37,798	125,079	60.0
Albany, N. Y.	90,758	94,923	94,151	100,253	113,344	44,472	56,265	49.6
Allentown, Pa.	18,063	25,228	35,416	51,912	73,502	38,308	51,937	70.7
Altoona, Pa.	19,710	30,337	38,973	53,127	60,331	37,740	43,390	71.9
Atlanta, Ga.	37,409	55,633	89,872	154,839	200,016	91,987	124,948	62.3
Atlantic City, N. J.	5,477	13,065	27,838	46,160	50,707	22,410	22,087	43.6
Augusta, Ga.	21,891	33,300	39,441	41,040	52,548	19,861	26,863	51.2
Baltimore, Md.	332,312	434,439	508,957	558,485	733,836	261,474	378,390	51.6
Bayonne, N. J.	9,372	19,033	32,722	55,545	76,754	11,301	14,497	18.9
Berkeley, Calif.		5,101	13,214	40,434	56,036	19,479	28,609	51.2
Bethlehem, Pa.	5,193	6,762	7,293	12,837	50,358	10,493	26,503	52.6
Bloughamton, N. Y.	17,317	34,006	39,647	48,443	66,800	30,490	40,030	59.9
Birmingham, Ala.	3,085	26,178	38,415	132,685	178,806	66,312	92,211	51.6
Boston, Mass.	362,839	448,477	500,892	670,565	748,000	157,870	181,811	24.3
Bridgeport, Conn.	27,643	48,866	70,906	102,054	143,555	27,156	36,818	25.6
Brockton, Mass.	13,608	27,294	40,063	50,678	66,254	23,006	34,643	37.2
Buffalo, N. Y.	155,134	255,664	352,387	423,715	508,775	119,692	165,135	32.6
Cambridge, Mass.	52,669	70,028	91,886	104,839	109,694	25,715	29,045	26.5
Camden, N. J.	41,659	58,313	75,935	94,538	116,309	49,581	56,249	48.4
Canton, Ohio	12,258	26,189	30,667	50,217	87,091	29,470	53,763	61.8
Charleston, S. C.	49,984	54,955	55,807	58,833	67,957	20,456	28,262	41.6
Chattanooga, Tenn.	12,892	29,109	30,154	44,604	57,895	23,035	34,911	60.3
Chester, Pa.	14,967	20,229	33,988	38,537	58,030	17,793	26,627	44.2
Chicago, Ill.	603,185	1,099,850	1,698,576	2,185,283	2,701,705	443,139	642,871	23.8
Cincinnati, Ohio	255,139	296,908	325,902	353,591	401,247	154,937	206,605	51.5
Cleveland, Ohio	180,146	261,353	381,708	560,863	796,841	132,314	212,247	26.6
Columbus, Ohio	61,647	88,150	125,560	181,611	237,031	116,846	159,069	67.1
Covington, Ky.	29,720	37,371	42,938	53,270	57,121	31,079	37,391	65.5
Dallas, Tex.	10,368	38,067	42,636	92,104	158,976	59,746	112,509	70.8
Davenport, Iowa	21,831	26,672	36,254	43,028	56,727	17,702	29,394	51.8
Dayton, Ohio	38,678	61,220	85,333	116,577	162,559	72,301	100,996	66.2
Denver, Colo.	35,629	106,713	133,859	213,381	256,491	106,945	144,678	56.4
Des Moines, Iowa	22,408	50,093	62,139	86,368	126,468	53,785	84,361	65.7
Detroit, Mich.	116,340	206,876	285,704	465,766	693,678	116,106	313,997	31.6
Duluth, Minn.	4,838	33,115	52,909	78,460	96,917	15,493	23,931	24.2
East Orange, N. J.			21,508	24,371	50,710	18,263	27,455	54.1
East St. Louis, Ill.	9,185	15,169	29,655	58,547	66,767	30,447	38,864	58.2
El Paso, Tex.	736	10,836	15,906	39,279	77,560	15,099	27,456	35.4
Elizabeth, N. J.	28,229	37,764	52,130	73,409	95,783	20,298	25,887	27.0
Erie, Pa.	27,737	40,634	52,733	66,525	93,372	25,740	41,179	44.1
Evansville, Ind.	29,280	50,756	69,007	69,647	85,264	41,945	60,270	70.7
Fall River, Mass.	48,961	74,398	104,863	119,295	120,485	15,836	19,168	15.9
Flint, Mich.	8,409	9,803	13,103	38,550	91,599	21,299	50,186	54.8
Fort Wayne, Ind.	26,880	36,393	45,115	63,933	86,549	36,722	57,675	66.6
Fort Worth, Tex.	6,663	23,076	26,698	73,312	106,482	50,139	73,515	70.9
Gary, Ind.				16,802	55,378	4,480	16,519	29.2
Grand Rapids, Mich.	32,016	60,278	87,565	112,571	137,634	40,777	56,079	40.7
Harrisburg, Pa.	30,763	39,385	50,167	64,186	75,917	49,576	59,268	78.1
Hartford, Conn.	42,015	53,230	70,850	96,915	136,036	31,011	40,327	29.2
Haverhill, Mass.	18,472	27,412	37,175	44,115	53,884	19,472	21,573	40.0
Hoboken, N. J.	30,999	43,648	59,364	70,324	69,166	13,463	14,473	21.2
Holyoke, Mass.	21,915	35,637	45,712	57,730	60,203	9,141	10,994	16.3
Houston, Tex.	16,513	27,587	44,633	78,800	138,276	37,181	72,433	52.4
Huntington, W. Va.	3,174	10,108	11,023	31,161	50,177	27,311	44,720	89.1
Indianapolis, Ind.	75,066	106,436	169,164	213,650	314,194	150,563	219,297	69.6
Jacksonville, Fla.	7,650	17,201	26,429	57,699	91,558	22,628	39,900	43.6
Jersey City, N. J.	120,722	163,003	206,433	267,779	296,103	74,861	87,083	29.2
Johnstown, Pa.	8,380	21,805	35,936	55,482	67,327	26,237	34,207	50.6
Kansas City, Kans.	3,200	38,316	51,418	82,331	101,177	48,021	56,575	56.9
Kansas City, Mo.	55,785	132,716	163,752	248,381	324,410	153,717	209,134	64.3
Knoxville, Tenn.	9,993	22,535	32,637	36,346	77,818	26,300	63,558	81.7
Lancaster, Pa.	25,769	32,011	41,459	47,227	53,180	35,610	42,126	79.3
Lansing, Mich.	8,319	12,102	16,486	31,229	57,327	19,497	38,373	66.9
Lawrence, Mass.	39,151	44,654	62,559	85,862	94,270	11,699	12,325	13.1
Lincoln, Neb.	13,003	55,164	40,169	43,973	54,948	26,021	33,381	60.6
Little Rock, Ark.	13,138	25,874	38,307	45,941	66,142	24,810	40,851	62.7
Long Beach, Calif.		564	2,252	17,609	55,593	12,528	37,888	68.2
Los Angeles, Calif.	11,183	50,396	102,479	319,198	576,673	169,967	294,456	51.1
Louisville, Ky.	123,768	181,129	204,731	223,928	234,891	113,543	139,408	59.3
Lowell, Mass.	50,475	77,696	94,969	100,294	112,789	20,708	24,679	21.9
Lynn, Mass.	38,274	55,727	68,513	89,336	99,148	33,180	33,988	34.4
Macon, Ga.	12,749	22,749	28,273	40,665	52,906	20,728	27,928	52.7

For footnotes, see p. 46.

## HAVING IN 1920 OVER 50,000 INHABITANTS

Increase from Census to Census includes that due to annexation of territory as well as to direct growth]

Native white, foreign or mixed parentage			Foreign-born white			Colored <sup>1</sup>			Sex, 1920		City
Num- ber, 1910	Num- ber, 1920	Per- cent, 1920	Num- ber, 1910	Num- ber, 1920	Per- cent, 1920	Num- ber, 1910	Num- ber, 1920	Per- cent, 1920	Male	Female	
17,370	30,750	19.1	13,241	37,880	18.2	663	5,717	2.7	121,169	87,200	Akron.
26,533	38,135	31.6	18,166	17,636	15.6	1,082	1,308	1.2	54,674	58,670	Albany.
7,172	12,767	17.4	6,234	8,612	11.7	139	■	0.3	36,053	37,449	Allentown.
8,713	10,720	17.8	5,212	5,312	8.8	462	900	1.3	29,814	30,517	Altoona.
6,464	8,099	4.9	4,410	4,738	2.4	51,978	62,831	31.3	96,457	104,159	Atlanta.
7,421	10,590	20.9	6,400	7,009	13.8	9,919	11,021	21.7	24,223	26,484	Atlantic City.
1,899	2,078	4.0	888	927	1.8	18,392	22,660	43.1	25,299	27,249	Augusta.
134,870	162,839	22.2	77,043	83,911	11.4	85,008	108,066	14.8	361,569	372,266	Baltimore.
23,123	26,103	47.0	20,522	25,472	33.2	599	662	0.9	39,917	36,837	Bayonne.
11,663	15,964	28.5	7,653	9,573	17.1	1,439	1,840	3.3	26,232	■	Bekeley.
1,441	12,546	■	797	10,943	21.7	104	366	0.7	25,928	24,430	Bethlehem.
9,916	15,742	22.6	7,269	10,268	15.5	648	660	1.0	32,479	34,321	Binghamton.
8,357	10,255	8.7	5,700	6,094	3.4	52,316	70,256	39.3	89,015	89,791	Birmingham.
257,104	309,756	41.4	240,722	238,919	31.9	14,889	17,575	2.3	368,756	379,304	Boston.
37,314	57,900	40.4	36,180	46,414	32.3	1,404	2,335	1.6	73,709	69,846	Bridgeport.
17,882	23,868	36.0	15,425	17,124	25.8	563	619	0.9	32,809	33,445	Brooklyn.
183,673	215,377	42.5	118,444	121,530	24.0	1,906	4,733	0.9	263,654	253,121	Buffalo.
30,794	43,101	39.3	34,008	32,104	29.3	4,822	5,444	6.0	52,428	57,296	Cambridge.
23,129	31,242	26.9	15,662	20,262	17.4	6,147	8,556	7.4	59,212	57,097	Camden.
11,786	17,304	19.9	8,648	14,680	16.9	301	1,324	1.5	47,189	39,903	Canton.
4,902	5,180	7.6	2,404	2,143	3.2	31,069	32,372	47.6	32,750	35,207	Charleston.
2,263	2,630	4.9	1,332	1,340	2.1	17,944	18,894	32.6	28,978	28,917	Chattanooga.
9,268	13,906	24.0	6,673	11,292	19.5	4,813	7,203	12.4	31,564	26,476	Chester.
912,701	1,140,816	42.2	761,217	806,482	29.8	46,226	112,536	4.2	1,269,917	1,331,788	Chicago.
132,190	121,665	30.3	50,792	42,827	10.7	19,672	30,150	7.5	194,342	206,908	Cincinnati.
223,906	310,241	38.9	196,708	239,538	30.1	8,738	34,815	4.4	413,398	383,443	Cleveland.
35,578	30,597	16.7	16,285	16,665	6.8	12,802	22,310	9.4	118,610	118,221	Columbus.
15,346	13,801	24.2	8,983	2,863	5.0	2,912	3,046	5.3	27,441	29,660	Covington.
8,078	13,649	8.6	5,219	8,730	5.5	18,061	24,068	15.2	79,506	79,479	Dallas.
16,649	18,991	33.5	8,101	7,644	12.5	576	698	1.2	28,666	28,071	Davenport.
25,569	29,398	19.3	13,847	13,111	8.6	4,870	9,064	5.9	77,114	75,445	Dayton.
61,185	67,346	26.3	38,941	37,820	14.7	6,310	6,847	2.7	131,906	124,585	Denver.
19,234	25,302	30.0	10,395	11,224	6.9	2,934	5,581	4.4	62,178	64,290	Des Moines.
186,258	348,771	35.1	156,565	269,297	29.1	5,840	41,618	4.2	540,248	453,436	Detroit.
31,856	44,265	44.7	30,652	30,118	30.4	445	603	0.6	51,673	47,044	Duluth.
8,506	14,076	27.8	5,677	6,790	13.4	1,935	2,400	4.7	23,268	27,454	East Orange.
12,789	13,668	30.5	9,400	6,782	10.2	3,901	7,463	11.2	35,065	31,702	East St. Louis.
8,289	14,905	19.2	14,248	33,353	43.0	1,693	1,736	2.3	37,193	40,367	El Paso.
27,808	30,608	41.4	22,694	28,215	29.5	1,409	2,013	2.1	49,530	46,253	Elizabeth.
23,694	34,047	36.5	16,943	17,376	16.6	348	776	0.6	46,960	46,412	Frie.
16,970	15,437	18.1	4,462	3,145	2.7	6,370	6,412	7.5	41,462	43,802	Evansville.
52,125	58,615	48.7	50,874	42,331	35.1	436	371	0.3	57,918	62,567	Fall River.
10,713	24,521	26.8	6,662	16,127	16.5	■	1,765	1.9	51,655	39,944	Flint.
19,414	20,764	24.0	7,204	6,634	7.7	593	1,476	1.7	42,566	43,961	Fort Wayne.
5,612	7,642	7.1	4,209	7,350	6.9	13,352	18,616	15.0	56,366	50,116	Fort Worth.
2,691	17,066	30.8	8,242	16,400	29.7	399	5,334	9.6	31,810	23,566	Gary.
42,767	52,039	37.8	26,335	28,335	20.6	692	1,162	0.8	67,516	70,116	Grand Rapids.
5,926	7,242	9.5	4,134	4,144	5.5	4,550	5,263	6.9	37,176	38,741	Harrisburg.
34,824	42,687	38.2	31,243	40,667	26.5	1,837	4,355	3.2	69,106	68,030	Hartford.
13,061	18,615	34.5	11,153	13,307	24.7	429	390	0.7	26,490	27,394	Haverhill.
29,030	29,945	42.9	27,606	23,496	34.6	163	252	0.4	35,663	32,503	Hoboken.
25,286	28,762	47.8	23,238	20,255	33.6	65	172	0.3	28,901	31,302	Holyoke.
11,333	19,823	14.3	6,318	12,012	8.7	23,968	34,008	24.6	69,046	69,228	Houston.
1,194	1,834	3.7	314	732	1.5	2,152	2,891	5.8	25,177	25,000	Huntington.
41,430	43,159	13.7	19,767	16,936	8.4	21,870	34,783	11.1	155,839	158,355	Indianapolis.
8,213	8,118	6.7	2,486	3,894	4.3	29,379	41,586	45.4	45,011	46,547	Jacksonville.
109,101	126,945	42.6	77,697	75,991	25.5	6,120	8,094	2.7	150,616	147,687	Jersey City.
13,467	19,307	29.7	15,316	12,142	18.0	462	1,671	2.5	35,025	32,302	Johnstown.
14,681	18,472	18.3	10,344	11,656	11.5	9,337	14,474	14.3	51,796	49,379	Kansas City.
45,633	57,063	17.6	25,327	27,320	8.4	23,704	30,893	9.5	162,362	162,046	Kansas City.
1,623	2,161	2.8	763	812	1.0	7,640	11,307	14.5	37,603	40,215	Knoxville.
7,602	7,887	13.9	3,208	2,714	5.1	812	923	1.7	25,033	28,117	Lancaster.
■	12,244	21.4	3,973	5,965	10.4	361	725	1.3	30,096	27,229	Lansing.
22,553	42,604	43.2	41,319	30,063	41.4	321	278	0.8	46,881	47,389	Lawrence.
16,001	12,437	24.5	7,300	7,196	13.1	751	932	1.7	26,564	28,394	Lincoln.
4,602	5,006	7.7	1,973	1,796	2.8	14,556	17,485	26.8	31,750	33,392	Little Rock.
3,086	10,353	18.6	1,942	6,799	12.2	255	553	1.0	26,153	29,440	Long Beach.
74,786	140,349	24.2	60,364	112,057	19.4	13,891	29,809	5.2	263,175	291,496	Los Angeles.
62,411	43,745	18.6	17,436	11,621	4.9	40,538	40,122	17.1	112,169	122,732	Louisville.
61,942	49,782	44.2	42,457	38,040	33.7	192	250	0.2	54,271	58,486	Lowell.
27,694	26,261	■	27,344	27,898	28.1	818	941	0.9	48,674	60,274	Lynn.
1,686	1,277	3.4	686	696	1.8	18,165	23,097	42.6	25,568	27,427	Macon.



## No. 40.—POPULATION STATISTICS OF CITIES HAVING

City	Total population					Native white, native percentage		
	1880	1890	1900	1910	1920	Number, 1910	Number, 1920	Per cent, 1920
Manchester, N. H.	32,630	44,126	58,987	70,063	78,864	16,119	16,851	24.0
Memphis, Tenn.	33,662	64,495	102,320	131,103	162,351	59,985	82,795	51.0
Milwaukee, Wis.	115,587	204,468	285,315	373,857	457,147	78,823	130,945	28.6
Minneapolis, Minn.	46,887	164,738	202,718	301,408	380,582	96,180	133,178	35.0
Mobile, Ala.	29,132	31,076	38,409	51,521	60,777	20,944	29,000	47.8
Nashville, Tenn.	43,380	76,168	80,865	110,364	118,342	63,687	74,022	62.5
New Bedford, Mass.	26,845	40,733	62,442	96,652	121,317	18,738	20,098	16.6
New Britain, Conn.	11,800	16,519	25,906	43,916	59,318	8,756	11,161	18.8
New Haven, Conn.	62,882	81,298	108,027	133,605	162,537	37,720	44,401	27.3
New Orleans, La.	216,090	242,039	287,104	339,075	387,219	147,473	190,641	49.2
New York, N. Y. <sup>1</sup>	1,911,696	2,507,414	3,437,202	4,766,883	5,620,048	921,318	1,164,834	20.7
Newark, N. J.	136,508	181,830	246,070	347,469	414,524	94,737	113,413	27.4
Niagara Falls, N. Y.			19,457	30,445	50,760	7,721	13,477	26.6
Norfolk, Va.	21,968	34,871	46,624	67,452	113,777	34,471	57,759	49.9
Oakland, Calif.	34,555	48,682	66,960	150,174	216,261	55,106	90,279	41.7
Oklahoma City, Okla.		4,161	10,087	64,206	91,295	47,880	71,446	78.3
Omaha, Nebr.	30,518	140,452	102,535	124,096	191,601	52,917	86,526	45.2
Passaic, N. J.	6,532	13,028	27,777	54,773	63,841	7,536	8,816	13.8
Paterson, N. J.	51,031	78,347	105,171	125,600	135,875	28,393	31,824	23.4
Pawtucket, R. I.	19,030	27,633	39,231	51,622	64,248	12,627	14,790	23.0
Peoria, Ill.	29,259	41,024	56,100	66,950	76,121	36,615	46,213	60.7
Philadelphia, Pa.	847,170	1,046,964	1,203,697	1,549,008	1,823,779	564,008	698,782	38.3
Pittsburgh, Pa.	235,071	343,904	451,512	533,905	588,343	176,069	216,530	36.8
Portland, Me.	33,810	36,425	50,145	58,571	69,272	31,121	23,969	51.9
Portland, Oreg.	17,577	46,385	90,426	207,214	258,288	104,163	126,216	62.7
Portsmouth, Va.	11,390	13,268	17,427	33,190	54,387	18,203	26,744	49.2
Providence, R. I.	104,857	132,146	175,567	224,326	237,895	59,966	63,726	26.8
Racine, Wis.	16,031	21,014	29,102	38,002	58,593	8,814	17,211	28.4
Reading, Pa.	43,278	58,661	78,961	96,071	107,784	74,714	81,000	73.2
Richmond, Va.	63,600	81,389	85,060	127,628	171,067	69,130	102,956	60.0
Roanoke, Va.	689	16,150	21,495	34,874	50,842	25,089	39,000	76.7
Rochester, N. Y.	89,366	133,896	162,008	218,149	295,750	74,525	111,976	37.9
Rockford, Ill.	13,129	23,584	31,051	45,401	65,651	15,396	24,141	36.8
Sacramento, Calif.	21,420	26,386	29,282	44,096	65,908	19,621	22,696	49.6
Saginaw, Mich.	10,525	46,322	42,345	50,510	61,902	17,257	25,805	41.7
St. Joseph, Mo.	32,431	52,324	102,979	77,403	77,939	50,316	53,531	98.7
St. Louis, Mo.	350,518	451,770	575,238	687,029	772,897	269,836	259,422	46.5
St. Paul, Minn.	41,473	133,156	163,065	214,744	234,698	61,594	77,378	32.0
Salt Lake City, Utah	20,768	44,843	63,631	92,777	116,110	38,152	56,234	47.6
San Antonio, Tex.	20,550	37,673	53,321	96,614	161,379	44,629	76,290	47.3
San Diego, Calif.	2,637	16,159	17,700	39,578	74,683	22,550	41,614	55.6
San Francisco, Calif.	233,959	298,967	342,782	416,912	506,679	115,359	167,179	33.0
Savannah, Ga.	30,700	43,189	54,244	65,064	83,252	22,634	34,420	41.3
Schenectady, N. Y.	13,655	19,902	31,682	72,626	88,723	31,538	35,907	40.5
Scranton, Pa.	45,860	76,215	102,026	129,867	137,783	38,745	48,718	35.4
Seattle, Wash.	3,533	42,837	80,671	237,194	315,312	105,784	139,701	44.3
Sioux City, Iowa	7,366	37,806	33,111	47,628	71,227	22,406	38,751	54.4
Somerville, Mass.	24,933	40,162	61,643	77,236	93,091	29,573	32,289	34.7
South Bend, Ind.	13,290	21,819	35,998	53,664	70,983	22,880	33,915	47.6
Spokane, Wash.		19,922	36,848	104,402	104,437	34,574	57,324	54.9
Springfield, Ill.	19,743	24,963	34,159	51,678	59,183	27,944	35,255	59.6
Springfield, Mass.	33,340	44,179	62,059	88,926	129,614	35,732	48,945	37.6
Springfield, Ohio	20,730	31,995	38,233	46,921	60,840	30,577	43,037	70.7
Syracuse, N. Y.	51,792	88,143	108,374	147,249	171,717	58,408	80,072	46.6
Tacoma, Wash.		34,006	37,714	83,743	96,965	36,481	44,657	46.1
Tampa, Fla.	720	5,532	15,839	37,782	51,606	12,037	17,542	34.0
Terre Haute, Ind.	26,042	30,217	36,673	58,157	66,083	42,566	48,976	74.1
Toledo, Ohio	50,137	81,434	131,822	188,497	243,164	75,147	124,055	51.0
Topeka, Kans.	15,452	31,007	33,608	43,684	50,022	27,800	33,594	67.2
Trenton, N. J.	29,910	57,458	73,307	96,815	119,290	38,679	44,195	37.0
Troy, N. Y.	58,747	60,956	60,651	76,813	72,013	32,224	33,082	43.9
Tucson, Ariz.		1,390	18,182	72,075	72,075	14,402	56,699	77.2
Utica, N. Y.	33,914	44,007	56,363	74,419	94,156	23,869	33,751	35.8
Washington, D. C. <sup>2</sup>	177,024	239,392	278,718	331,099	437,571	166,711	239,488	54.7
Waterbury, Conn.	17,806	24,646	45,859	73,141	91,715	18,238	22,122	24.1
Wheeling, W. Va.	30,737	34,522	36,878	41,641	56,208	22,385	34,059	60.6
Wichita, Kans.	4,911	23,853	24,671	52,450	72,217	40,738	56,652	60.4
Wilkes-Barre, Pa.	23,339	37,718	51,721	67,106	73,833	24,423	28,709	38.9
Wilmington, Del.	42,478	61,431	78,508	87,411	110,168	44,937	56,868	51.6
Worcester, Mass.	58,291	84,655	118,421	145,986	179,754	41,421	50,716	28.2
Yonkers, N. Y.	18,892	32,033	47,931	79,803	100,176	21,640	30,059	30.0
Youngstown, Ohio	13,435	33,220	44,885	79,086	132,358	25,596	46,459	35.1

<sup>1</sup> Includes Indians, Chinese, Japanese, and other nonwhite.<sup>2</sup> Total population for 1910, including South Bethlehem and West Bethlehem Boroughs, now a part of Bethlehem, 32,810; native white of native percentage, 16,496; native white of foreign or mixed parentage, 6,920; foreign-born white, 9,159; Negro, 228; other colored, 5.<sup>3</sup> Total population for 1910, including Hyde Park, annexed since 1910, 586,092; native white of native percentage, 163,028; native white of foreign or mixed parentage, 262,906; foreign-born white, 245,164; Negro, 13,651; other colored, 1,341.

Source: Bureau of the Census, Department of Commerce.



## IN 1920 OVER 50,000 INHABITANTS—Continued

Native white, foreign or mixed parentage			Foreign-born white			Colored <sup>1</sup>			Sex, 1920		City
Num- ber, 1910	Num- ber, 1920	Per cent, 1920	Num- ber, 1910	Num- ber, 1920	Per cent, 1920	Num- ber, 1910	Num- ber, 1920	Per cent, 1920	Male	Female	
24,197	31,939	40.7	29,692	27,516	35.1	55	78	0.1	37,583	40,801	Manchester.
12,129	12,543	7.7	6,467	5,775	3.6	52,515	61,238	37.7	79,116	83,235	Memphis.
182,530	213,911	46.8	111,456	110,068	24.1	1,048	2,323	0.5	228,614	228,533	Milwaukee.
116,548	155,155	40.8	85,938	88,032	23.1	2,736	4,217	1.1	189,215	191,367	Minneapolis.
5,585	5,788	9.5	2,208	2,006	3.3	22,784	23,923	39.4	29,149	31,628	Mobile.
7,151	6,294	5.3	2,993	2,387	2.0	36,523	35,639	30.1	56,004	62,338	Nashville.
32,336	47,355	39.1	42,825	48,689	40.2	2,953	5,073	4.2	59,388	61,829	New Bedford
17,037	26,673	44.8	18,015	21,230	35.8	109	323	0.5	30,850	28,457	New Britain.
49,434	67,729	41.7	42,784	45,686	28.1	3,661	4,721	2.9	80,221	82,318	New Haven.
74,244	69,283	17.9	27,686	25,992	4.7	89,872	101,303	26.2	180,026	198,193	New Orleans.
1,820,141	2,303,082	41.0	1,927,703	1,991,547	35.4	97,721	160,585	2.9	2,802,638	2,817,410	New York. <sup>2</sup>
132,350	166,807	40.2	110,656	117,003	28.2	9,727	17,301	4.2	209,200	205,324	Newark.
10,385	18,874	37.2	12,064	17,884	35.2	275	523	1.0	27,113	23,647	Niagara Falls.
4,316	7,990	6.8	3,564	6,587	5.7	25,099	43,551	37.6	60,018	55,759	Norfolk.
49,936	58,563	31.7	38,822	45,162	20.9	8,218	12,257	5.7	111,954	104,807	Oakland.
6,399	7,948	8.7	3,214	3,477	3.8	6,712	8,424	9.2	46,640	44,655	Oklahoma City.
39,595	59,140	30.9	27,068	35,381	18.5	4,516	10,555	5.5	98,954	92,647	Omaha.
18,209	28,042	42.9	28,467	26,365	41.3	561	618	1.0	31,840	32,001	Passaic.
50,179	57,265	42.2	45,398	45,145	33.2	1,631	1,621	1.2	67,248	68,627	Paterson.
20,767	28,084	43.7	17,959	21,024	32.7	272	360	0.6	31,158	33,090	Pawtucket.
19,936	19,964	26.2	8,810	7,790	10.2	1,589	2,154	2.8	37,910	38,211	Peoria.
496,785	591,471	32.4	382,578	397,927	21.8	85,637	135,509	7.4	907,633	916,146	Philadelphia.
191,483	213,465	36.3	140,436	120,266	20.4	25,897	38,082	6.5	206,260	292,083	Pittsburgh.
15,054	19,692	28.4	12,078	13,229	19.1	318	382	0.6	33,306	35,968	Portland, Me.
51,009	69,631	27.0	43,780	47,114	18.2	8,262	5,327	2.1	132,115	126,173	Portland, Oreg.
2,242	2,612	5.2	1,115	1,543	2.8	11,630	23,288	42.8	28,002	26,335	Portsmouth.
82,334	90,077	41.7	76,303	68,951	29.0	5,708	5,839	2.5	115,154	122,441	Providence.
16,561	24,858	42.4	12,509	16,199	27.6	118	325	0.6	31,524	27,099	Racine.
11,750	16,296	15.1	8,812	9,553	8.9	798	933	0.9	33,196	54,596	Reading.
7,664	9,981	5.9	4,085	4,637	2.7	46,740	54,093	31.5	80,631	91,036	Richmond.
1,096	1,630	3.2	770	869	1.7	7,929	9,243	18.4	25,037	25,806	Rosnoke.
83,687	110,792	37.5	58,993	71,321	24.1	944	1,661	0.6	145,494	150,256	Rochester.
13,973	23,641	36.0	13,828	17,343	26.4	205	526	0.8	33,650	32,101	Rockford.
12,909	18,635	28.3	8,885	10,873	16.5	2,991	3,701	5.6	34,529	31,379	Sacramento.
21,225	24,119	39.0	11,701	11,605	18.7	327	374	0.6	31,024	30,879	Saginaw.
14,694	13,758	17.7	8,113	8,423	8.2	4,275	4,227	5.4	38,916	39,023	St. Joseph.
246,946	239,894	31.0	125,705	108,239	13.4	44,541	70,282	9.1	383,402	389,495	St. Louis.
93,398	102,198	43.5	56,524	51,595	22.0	3,228	3,527	1.5	117,368	117,330	St. Paul.
24,284	41,113	34.8	19,035	19,434	16.5	1,306	1,329	1.1	58,697	59,413	Salt Lake City.
23,766	33,854	21.0	17,407	36,646	22.7	10,813	14,580	9.0	80,782	80,597	San Antonio.
8,549	17,746	25.8	7,366	13,295	17.8	1,113	2,129	2.8	36,773	37,910	San Diego.
153,781	182,643	36.0	130,874	140,209	27.7	16,806	16,654	3.3	272,703	233,973	San Francisco.
5,818	6,363	7.6	3,332	3,247	3.9	33,290	39,222	47.1	40,511	42,741	Savannah.
22,334	31,858	35.9	18,631	20,490	23.1	333	478	0.5	44,857	43,866	Schenectady.
55,431	69,931	43.5	35,112	28,668	20.7	579	599	0.4	67,549	70,234	Scranton.
61,134	69,004	28.2	60,835	73,875	23.4	9,441	12,732	4.0	167,601	147,711	Seattle.
14,669	20,026	28.1	10,452	11,216	15.7	312	1,234	1.7	37,568	33,650	Sioux City.
26,632	26,254	38.9	20,751	24,182	26.0	280	306	0.4	44,350	48,741	Somerville.
16,725	22,396	31.5	13,420	13,391	18.9	659	1,287	1.8	36,214	34,769	South Bend.
27,277	29,230	28.0	21,220	16,826	16.1	1,331	1,057	1.0	52,329	52,108	Spokane.
13,855	14,893	25.2	6,900	6,255	10.6	2,979	2,780	4.7	28,696	30,487	Springfield.
28,656	46,604	36.0	22,999	31,250	24.1	1,539	2,815	2.2	63,722	65,892	Springfield.
8,243	8,065	13.2	3,156	2,757	4.5	4,945	7,041	11.6	30,503	30,337	Springfield.
46,912	57,979	33.8	30,781	32,321	18.8	1,148	1,345	0.8	85,935	85,782	Syracuse.
23,877	29,336	30.3	21,463	20,569	21.2	1,922	2,409	2.5	51,601	45,364	Tacoma.
6,857	11,637	22.9	9,896	10,665	20.7	8,992	11,563	22.4	23,998	25,610	Tampa.
9,184	9,779	14.6	3,796	3,667	5.5	2,611	3,661	5.5	32,853	33,230	Terre Haute.
50,283	75,185	30.9	32,037	38,145	15.7	1,930	5,779	2.4	125,518	117,646	Toledo.
7,182	8,192	16.2	4,153	4,000	8.0	4,548	4,326	8.6	23,918	26,104	Topeka.
29,209	40,634	34.1	26,310	30,073	25.2	2,617	4,387	3.7	60,639	58,650	Trenton.
28,491	26,836	37.3	15,432	11,483	15.9	666	612	0.8	33,076	38,937	Troy.
1,204	5,216	7.2	412	2,025	2.8	2,164	9,174	12.7	37,639	34,436	Tulsa.
26,882	36,756	39.0	21,308	23,257	24.7	300	392	0.4	45,802	48,354	Utica.
45,096	58,824	12.4	24,351	28,544	6.5	94,941	110,711	25.3	203,543	224,026	Wash., D. C. <sup>3</sup>
28,500	38,696	42.2	25,496	29,894	32.6	815	1,004	1.1	47,430	44,285	Waterbury.
12,630	14,720	28.2	5,418	5,798	10.3	1,208	1,633	2.9	27,430	28,772	Wheeling.
6,383	7,550	10.5	2,855	3,021	4.2	2,474	3,594	5.0	35,650	38,558	Wichita.
25,925	30,000	40.6	16,078	14,567	19.7	678	557	0.8	36,339	37,494	Wilkes-Barre.
19,694	26,235	23.8	13,678	16,279	14.6	9,102	10,786	9.8	56,180	53,968	Wilmington.
54,751	74,257	41.3	48,492	53,418	20.7	1,322	1,363	0.8	89,586	90,168	Worcester.
29,900	42,419	42.3	26,590	25,700	25.7	1,613	1,908	2.0	49,010	51,169	Yonkers.
26,654	45,302	34.2	24,860	33,834	25.6	1,957	6,763	5.1	70,770	61,588	Youngstown.

<sup>1</sup> Excludes Duluth village (population 2,645) which was set apart by act of legislature in 1877, but which again became part of the city in 1887.

<sup>2</sup> Population of town, including city; town and city not returned separately.

<sup>3</sup> Population shown is for New York City as now constituted.

<sup>4</sup> Total population for 1910, including South Omaha, annexed since 1910, 150,355; native white of native parentage, 61,416; native white of foreign or mixed parentage, 48,623; foreign-born white, 34,902; Negro, 4,143; other colored, 271.

<sup>5</sup> Population shown is for District of Columbia, with which the city is now coextensive.

### No. 41.—PERSONS ENGAGED IN GAINFUL OCCUPATIONS: BY SEX AND AGE, CONTINENTAL UNITED STATES

[NOTE.—Owing to change in the date of enumeration from April to January and to changes in the wording of the instructions, the number of persons, especially women and children, reported as farm laborers was much less in 1920 than would have been the case if the 1910 method had been followed. The incomparability in this large occupation affects materially the figures for the agricultural group as a whole and even the aggregate for all occupations combined. For discussion see Census of 1920, Vol. IV, pp. 12 to 14. All data in Tables 41 to 45 relate to Continental United States.]

Census year and age period	Males, 10 years and over			Females, 10 years and over		
	Total number	In gainful occupations		Total number	In gainful occupations	
		Number	Per cent		Number	Per cent
<b>1910</b>						
10 years and over.....	37,027,558	30,091,564	81.3	34,552,712	5,075,779	23.4
10 to 13 years.....	3,565,779	609,030	16.6	3,593,339	285,946	8.0
14 and 15 years.....	1,798,449	744,109	41.4	1,770,898	350,140	19.8
16 to 20 years.....	4,564,179	3,615,623	79.2	4,632,621	1,847,609	39.9
21 to 44 years <sup>1</sup> .....	17,849,843	17,262,209	96.7	16,331,449	4,302,969	26.3
45 years and over.....	9,149,308	7,860,593	85.9	8,224,305	1,288,117	15.7
<b>1920</b>						
10 years and over.....	43,229,969	33,084,737	76.3	40,449,346	3,642,511	9.1
10 to 13 years.....	4,336,009	258,259	6.0	4,258,863	119,804	2.8
14 and 15 years.....	1,958,076	455,989	23.3	1,948,734	226,806	11.6
16 and 17 years.....	1,902,867	1,103,456	58.0	1,925,264	609,192	31.6
18 and 19 years.....	1,845,246	1,443,963	78.3	1,896,734	802,235	42.3
20 to 24 years.....	4,527,045	4,121,392	91.0	4,749,976	1,809,075	38.1
25 to 44 years.....	16,028,920	15,579,686	97.2	15,249,002	3,417,373	22.4
45 to 64 years.....	9,114,960	8,552,175	93.8	7,915,205	1,352,479	17.1
65 years and over.....	2,483,071	1,492,837	60.1	2,450,144	196,909	8.0
Age unknown.....	92,875	57,073	61.5	65,834	16,647	25.0

<sup>1</sup> Includes persons of unknown age.

### No. 42.—PERSONS ENGAGED IN GAINFUL OCCUPATIONS: BY SEX, AGE, AND PRINCIPAL CLASSES, CONTINENTAL UNITED STATES, 1920

[NOTE.—Per cents represent the proportion which persons employed form of the total number of persons of the specified class and age. See headnote, Table 41.]

Sex and age periods	Native white-native parentage		Native white-foreign or mixed parentage		Foreign-born white		Negro	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
<b>Male.....</b>	<b>16,788,808</b>	<b>75.1</b>	<b>6,237,019</b>	<b>75.3</b>	<b>6,637,997</b>	<b>89.3</b>	<b>3,224,202</b>	<b>61.1</b>
10 to 13 years.....	144,605	5.5	13,150	1.2	3,269	2.6	96,470	19.5
14 and 15 years.....	245,539	20.6	94,260	20.7	19,657	24.7	95,407	42.4
16 and 17 years.....	608,005	53.2	279,939	62.8	72,461	71.5	140,668	65.2
18 and 19 years.....	823,481	75.3	341,770	81.0	102,814	87.3	171,209	83.8
20 to 24 years.....	2,299,446	89.9	925,130	91.2	435,548	95.3	455,308	93.5
25 to 44 years.....	7,726,512	97.0	2,910,176	96.9	3,484,701	98.1	1,375,086	97.3
45 to 64 years.....	4,068,608	93.9	1,508,153	92.6	2,143,433	93.5	767,459	97.2
65 years and over.....	831,456	60.9	160,123	63.1	355,075	52.3	139,476	80.2
Age unknown.....	30,856	52.5	4,312	73.9	11,039	80.4	10,299	76.2
<b>Female.....</b>	<b>3,733,339</b>	<b>17.2</b>	<b>3,110,464</b>	<b>24.3</b>	<b>1,116,463</b>	<b>13.4</b>	<b>1,571,369</b>	<b>26.9</b>
10 to 13 years.....	48,437	1.9	4,356	0.4	1,501	1.2	64,932	13.1
14 and 15 years.....	88,495	7.6	53,294	13.9	14,265	17.7	60,372	28.5
16 and 17 years.....	264,121	23.2	203,981	45.3	56,929	54.9	83,549	37.2
18 and 19 years.....	378,393	34.4	248,415	57.6	72,237	68.6	102,298	43.7
20 to 24 years.....	855,946	32.5	521,017	48.8	177,030	37.7	252,417	44.5
25 to 44 years.....	1,439,349	18.4	774,177	24.6	506,267	18.6	689,933	45.3
45 to 64 years.....	538,202	14.4	271,734	16.7	230,084	12.9	269,955	46.7
65 years and over.....	93,033	6.8	21,696	8.3	28,453	5.9	43,096	27.1
Age unknown.....	7,853	22.0	1,794	33.2	1,697	26.0	4,747	67.5

Source of Tables 41 and 42: Bureau of the Census, Department of Commerce.

**No. 43.—PERSONS 10 YEARS OF AGE AND OVER IN EACH GENERAL DIVISION OF OCCUPATIONS: CONTINENTAL UNITED STATES**

[NOTE.—See headnote, Table 41]

Class of occupation	Both sexes		Males		Females	
	1910	1926	1910	1926	1910	1926
<b>All occupations.....</b>	<b>38, 167, 336</b>	<b>41, 614, 948</b>	<b>30, 091, 564</b>	<b>33, 664, 737</b>	<b>8, 075, 772</b>	<b>8, 549, 511</b>
Agriculture, forestry, and animal husbandry.....	<sup>1</sup> 12,650, 082	10, 953, 158	<sup>1</sup> 10,851, 581	9, 869, 030	1, 807, 501	1, 084, 128
Extraction of minerals.....	<sup>1</sup> 965, 169	1, 090, 223	<sup>1</sup> 964, 075	1, 087, 359	1, 094	2, 864
Manufacturing and mechanical industries.....	<sup>1</sup> 10, 628, 731	12, 818, 524	<sup>1</sup> 8, 808, 161	10, 888, 183	<sup>1</sup> 1, 820, 570	1, 930, 341
Transportation.....	<sup>1</sup> 2, 637, 420	3, 063, 582	<sup>1</sup> 2, 530, 795	2, 850, 528	<sup>1</sup> 106, 625	213, 054
Trade.....	3, 614, 670	4, 242, 979	3, 146, 582	3, 575, 187	468, 088	667, 792
Public service (not elsewhere classified).....	459, 291	770, 460	445, 733	748, 666	13, 558	21, 794
Professional service.....	<sup>1</sup> 1, 693, 361	2, 143, 889	<sup>1</sup> 959, 470	1, 127, 391	<sup>1</sup> 733, 891	1, 016, 498
Domestic and personal service.....	<sup>1</sup> 3, 772, 559	3, 404, 892	<sup>1</sup> 1, 241, 338	1, 217, 968	<sup>1</sup> 2, 531, 221	2, 186, 924
Clerical occupations.....	<sup>1</sup> 1, 737, 053	3, 126, 541	1, 143, 829	1, 700, 425	593, 224	1, 426, 116
<b>Per cent of total.....</b>	<b>100. 0</b>	<b>100. 0</b>	<b>100. 0</b>	<b>100. 0</b>	<b>100. 0</b>	<b>100. 0</b>
Agriculture, forestry, and animal husbandry.....	33. 2	26. 3	36. 1	29. 8	22. 4	12. 7
Extraction of minerals.....	2. 5	2. 6	3. 2	3. 3	( <sup>2</sup> )	( <sup>2</sup> )
Manufacturing and mechanical industries.....	27. 8	30. 8	29. 3	32. 9	22. 5	22. 6
Transportation.....	6. 9	7. 4	8. 4	8. 6	1. 3	2. 5
Trade.....	9. 5	10. 2	10. 5	10. 8	5. 8	7. 8
Public service (not elsewhere classified).....	1. 2	1. 9	1. 5	2. 3	0. 2	0. 3
Professional service.....	4. 4	5. 2	3. 2	3. 4	9. 1	11. 9
Domestic and personal service.....	9. 9	8. 2	4. 1	3. 7	31. 3	25. 6
Clerical occupations.....	4. 6	7. 5	3. 8	5. 1	7. 3	16. 7

<sup>1</sup> Figures corrected to conform to 1920 classification.

<sup>2</sup> Less than one-tenth of 1 per cent.

**No. 44.—NUMBER ENGAGED IN EACH GENERAL DIVISION OF OCCUPATIONS: BY SEX AND AGE, CONTINENTAL UNITED STATES, 1920**

[NOTE.—For totals of all ages see Table 43. A few persons of unknown age are omitted. See headnote Table 41]

Class of occupation	Age groups—							
	10 to 13 years	14 and 15 years	16 and 17 years	18 and 19 years	20 to 24 years	25 to 44 years	45 to 64 years	65 years and over
<b>MALE</b>								
<b>All occupations.....</b>	<b>258, 259</b>	<b>455, 989</b>	<b>1, 103, 456</b>	<b>1, 443, 968</b>	<b>4, 121, 392</b>	<b>15, 579, 586</b>	<b>8, 552, 175</b>	<b>1, 492, 837</b>
Agriculture, forestry, and animal husbandry.....	221, 409	237, 829	396, 484	457, 588	1, 134, 649	3, 966, 116	2, 783, 518	662, 046
Extraction of minerals.....	598	6, 447	42, 906	54, 024	143, 920	577, 472	236, 137	22, 356
Manufacturing and mechanical industries.....	6, 737	97, 598	366, 215	475, 401	1, 395, 784	5, 461, 425	2, 685, 508	378, 673
Transportation.....	1, 682	13, 935	60, 989	120, 285	404, 352	1, 503, 895	661, 331	76, 619
Trade.....	16, 369	32, 865	79, 620	104, 222	372, 471	1, 799, 041	1, 020, 498	144, 500
Public service (not elsewhere classified).....	136	949	10, 833	50, 993	114, 931	306, 491	214, 156	47, 415
Professional service.....	325	1, 654	5, 774	17, 792	106, 632	605, 682	328, 893	58, 614
Domestic and personal service.....	4, 880	11, 202	24, 388	32, 940	112, 716	603, 619	357, 849	66, 685
Clerical occupations.....	6, 123	53, 510	116, 247	130, 723	335, 937	755, 845	264, 285	35, 929
<b>FEMALE</b>								
<b>All occupations.....</b>	<b>119, 804</b>	<b>236, 806</b>	<b>609, 192</b>	<b>802, 235</b>	<b>1, 809, 075</b>	<b>3, 417, 373</b>	<b>1, 352, 479</b>	<b>196, 900</b>
Agriculture, forestry, and animal husbandry.....	107, 540	80, 522	81, 427	71, 497	130, 790	337, 087	219, 802	54, 356
Extraction of minerals.....	49	97	304	299	510	1, 125	405	66
Manufacturing and mechanical industries.....	2, 736	78, 266	221, 298	214, 340	382, 765	730, 250	271, 047	26, 986
Transportation.....	217	3, 078	27, 396	39, 906	70, 702	63, 266	7, 660	547
Trade.....	844	13, 290	55, 042	67, 744	138, 915	291, 658	91, 725	7, 408
Public service (not elsewhere classified).....	17	28	94	547	2, 929	12, 096	5, 554	471
Professional service.....	296	1, 190	11, 449	69, 450	298, 827	490, 894	130, 500	10, 976
Domestic and personal service.....	7, 292	30, 632	88, 148	118, 729	302, 226	972, 489	568, 448	93, 135
Clerical occupations.....	804	19, 703	124, 034	219, 663	481, 411	518, 508	57, 338	2, 955

Source of Tables 43 and 44: Bureau of the Census, Department of Commerce.

**No. 45.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920**

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
<b>All occupations.....</b>	<b>41,614,245</b>	<b>22,064,737</b>	<b>8,549,511</b>	<b>22,869,463</b>	<b>7,746,400</b>	<b>4,894,151</b>
<b>Agriculture, forestry, and animal husbandry.....</b>	<b>10,953,158</b>	<b>9,889,030</b>	<b>1,064,128</b>	<b>7,768,257</b>	<b>621,661</b>	<b>2,178,689</b>
Dairy farmers, farmers, and stock raisers.....	6,201,281	5,947,425	253,856	4,694,494	555,047	925,192
Dairy farm, farm, and stock farm laborers.....	4,041,627	3,248,712	792,915	2,602,069	217,643	1,192,504
Dairy farm, farm, garden, orchard, etc., foremen.....	93,048	78,708	14,340	80,389	9,141	3,102
Fishermen and oystermen.....	52,836	52,457	379	32,762	12,811	5,755
Foresters, forest rangers, and timber cruisers.....	3,653	3,651	2	3,254	379	1
Gardeners, florists, fruit growers, and nurserymen.....	169,399	169,116	9,283	118,814	37,709	6,813
Garden, greenhouse, orchard, and nursery laborers.....	137,010	127,589	9,421	70,697	36,834	18,294
Lumbermen, raftsmen, and woodchoppers.....	205,318	205,036	279	125,442	51,344	28,487
Owners and managers of log and timber camps.....	8,410	8,397	13	6,979	1,268	122
Poultry raisers and poultry-yard laborers.....	18,715	15,379	3,336	14,016	4,232	363
All other pursuits.....	21,684	21,560	324	17,340	3,153	1,245
<b>Extraction of minerals.....</b>	<b>1,090,223</b>	<b>1,067,359</b>	<b>2,864</b>	<b>837,934</b>	<b>377,126</b>	<b>73,229</b>
Foremen, overseers, and inspectors.....	36,931	36,923	8	27,607	8,702	598
Operators, officials, and managers.....	34,325	34,143	182	30,322	3,939	26
Coal mine operatives.....	733,936	732,441	1,495	399,743	278,615	54,597
Copper mine operatives.....	36,054	35,918	136	13,116	22,643	73
Gold and silver mine operatives.....	32,700	32,666	34	20,232	12,113	86
Iron mine operatives.....	38,704	38,605	99	9,289	24,065	5,344
Lead and zinc mine operatives.....	20,798	20,749	49	17,280	3,230	269
Other and not specified mine operatives.....	20,591	20,533	58	12,097	4,460	3,978
Quarry operatives.....	45,162	45,064	78	24,112	14,675	6,326
Oil and gas well operatives.....	65,550	65,303	247	61,223	2,506	1,703
Salt well and works operatives.....	5,472	4,094	478	2,913	2,198	220
<b>Manufacturing and mechanical industries.....</b>	<b>12,816,654</b>	<b>10,888,183</b>	<b>1,930,341</b>	<b>8,974,827</b>	<b>3,634,249</b>	<b>884,810</b>
Apprentices to building and hand trades.....	73,953	73,897	56	66,100	6,557	1,267
Apprentices to dressmakers and milliners.....	4,326	17	4,309	3,459	657	204
Apprentices, other.....	65,898	60,532	5,366	58,839	8,158	855
Bakers.....	97,940	93,347	4,593	41,002	53,606	3,184
Blacksmiths, forgemen, and hammermen.....	221,421	221,416	5	154,820	57,500	8,886
Boiler makers.....	74,088	74,088	-----	55,150	17,492	1,398
Brick and stone masons.....	131,284	131,257	7	73,592	47,005	10,699
Builders and building contractors.....	90,109	90,030	79	68,708	19,922	1,454
Cabinetmakers.....	45,511	45,503	8	20,818	24,207	456
Carpenters.....	887,379	887,208	171	631,178	221,303	34,243
Compositors, linotypers, and type setters.....	140,165	128,859	11,306	117,632	20,833	1,540
Coopers.....	19,066	19,061	5	10,536	6,333	2,191
Dressmakers and seamstresses (not in factory).....	235,855	336	235,519	170,849	37,707	26,973
Dyers.....	15,109	14,978	131	6,158	8,645	296
Electricians.....	212,964	212,945	19	186,190	26,362	1,342
Electrotypers, stereotypers, and lithographers.....	13,716	13,530	186	11,128	2,507	78
Engineers (stationary), cranimen, hoistmen, etc.....	279,984	279,940	44	220,099	53,279	6,353
Engravers.....	15,953	14,492	561	11,667	8,337	45
Files, grinders, buffers, and polishers (metal).....	59,785	57,315	2,470	37,002	21,235	936
Firemen (except locomotive and fire department).....	143,875	143,862	13	75,202	45,293	23,153
Foremen and overseers (manufacturing).....	307,413	277,242	30,171	237,725	60,226	3,267
Furnacemen, smeltermen, heaters, pourers, etc.....	40,806	40,800	6	33,210	14,333	3,296
Glass blowers.....	9,144	9,055	89	7,161	1,937	45
Jewelers, watchmakers, goldsmiths, and silversmiths.....	39,592	37,914	1,678	26,798	13,151	628

**No. 45.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued**

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
<b>Manufacturing and mechanical industries—Continued.</b>						
<b>Laborers (n. o. s.):</b>						
Building, general, and not specified laborers.....	623,203	608,075	15,128	332,906	151,165	134,528
<b>Chemical and allied industries.....</b>	<b>74,290</b>	<b>70,994</b>	<b>3,295</b>	<b>29,135</b>	<b>27,487</b>	<b>17,486</b>
Fertilizer factories.....	12,943	12,808	135	1,624	1,688	9,815
Paint and varnish factories.....	4,841	4,677	164	2,308	2,012	518
Powder, cartridge, dynamite, fuse, and fireworks factories.....	8,467	7,821	646	8,165	2,407	879
Soap factories.....	4,715	4,345	369	2,156	2,220	338
Other chemical factories.....	43,323	41,342	1,981	17,882	19,180	6,186
<b>Cigar and tobacco factories.....</b>	<b>35,167</b>	<b>21,295</b>	<b>13,862</b>	<b>11,720</b>	<b>2,087</b>	<b>21,334</b>
<b>Clay, glass, and stone industries.....</b>	<b>124,544</b>	<b>120,215</b>	<b>4,329</b>	<b>69,991</b>	<b>35,608</b>	<b>18,753</b>
Brick, tile, and terra-cotta factories.....	48,636	48,099	537	25,575	12,940	10,094
Glass factories.....	28,937	26,461	2,476	18,563	6,859	2,508
Lime, cement, and artificial stone factories.....	30,051	29,664	167	14,430	11,629	3,917
Marble and stone yards.....	5,084	5,061	23	2,871	1,615	597
Potteries.....	11,836	10,710	1,126	8,532	2,555	642
<b>Clothing industries.....</b>	<b>12,779</b>	<b>6,414</b>	<b>6,362</b>	<b>8,492</b>	<b>2,847</b>	<b>1,407</b>
Corset factories.....	771	194	577	558	210	3
Glove factories.....	1,757	899	858	1,450	284	21
Hat factories (felt).....	969	823	146	534	421	34
Shirt, collar, and cuff factories.....	2,708	1,317	1,391	2,018	358	310
Suit, coat, cloak, and overall factories.....	3,984	2,219	1,765	2,218	844	917
Other clothing factories.....	2,567	960	1,607	1,714	780	122
<b>Food industries.....</b>	<b>159,535</b>	<b>143,397</b>	<b>16,138</b>	<b>81,813</b>	<b>47,948</b>	<b>27,780</b>
Bakeries.....	8,315	6,899	1,446	4,631	2,535	1,139
Butter, cheese, and condensed milk factories.....	15,190	14,174	1,016	12,217	2,564	397
Candy factories.....	6,584	4,398	2,186	3,994	1,696	690
Fish curing and packing.....	6,300	5,261	1,039	2,774	1,008	1,453
Flour and grain mills.....	18,121	17,983	138	12,190	3,353	2,584
Fruit and vegetable canning, etc.....	13,058	9,743	3,315	8,121	3,311	913
Slaughter and packing houses.....	59,548	55,436	4,112	22,219	22,522	14,680
Sugar factories and refineries.....	15,733	15,414	319	6,898	7,024	1,749
Other food factories.....	16,686	14,119	2,567	8,779	3,736	4,135
<b>Harness and saddle industries.....</b>	<b>1,885</b>	<b>1,727</b>	<b>158</b>	<b>1,490</b>	<b>252</b>	<b>130</b>
<b>Helpers in building and hand trades.....</b>	<b>63,519</b>	<b>63,412</b>	<b>107</b>	<b>35,365</b>	<b>14,877</b>	<b>13,223</b>
<b>Iron and steel industries.....</b>	<b>729,613</b>	<b>717,022</b>	<b>12,591</b>	<b>294,139</b>	<b>328,800</b>	<b>106,641</b>
Agricultural implement factories.....	11,400	11,293	117	5,784	4,812	803
Automobile factories.....	83,341	80,874	2,467	37,804	39,031	6,430
Blast furnaces and steel rolling mills.....	258,830	256,548	2,282	62,815	133,440	42,445
Car and railroad shops.....	53,643	53,280	363	25,723	18,697	8,958
Ship and boat building.....	69,196	68,917	279	28,828	22,821	17,149
Wagon and carriage factories.....	9,817	9,594	223	6,693	1,832	1,291
Other iron and steel factories.....	179,607	173,734	5,873	86,094	77,319	16,121
Not specified metal industries.....	63,779	62,783	997	20,398	30,848	12,438
<b>Other metal industries.....</b>	<b>67,887</b>	<b>62,771</b>	<b>5,116</b>	<b>30,302</b>	<b>33,379</b>	<b>3,996</b>
Brass mills.....	18,485	17,614	871	5,614	11,902	1,065
Clock and watch factories.....	3,169	1,929	1,179	2,219	866	22
Copper factories.....	10,963	10,908	55	3,019	7,346	377
Gold, silver, and jewelry factories.....	3,693	3,316	377	2,068	1,483	99
Lead and zinc factories.....	8,927	8,859	68	4,631	3,666	615
Tinware, enamelware, etc., factories.....	17,605	15,436	2,169	10,480	6,315	919
Other metal factories.....	5,106	4,709	397	2,191	2,001	905
<b>Lumber and furniture industries.....</b>	<b>320,613</b>	<b>309,874</b>	<b>10,739</b>	<b>170,246</b>	<b>40,963</b>	<b>106,276</b>
Furniture factories.....	35,272	32,600	2,672	24,100	8,550	2,600
Piano and organ factories.....	5,321	4,596	725	3,158	2,011	151
Saw and planing mills.....	245,683	241,334	4,349	121,537	25,077	98,039
Other woodworking factories.....	34,337	31,344	2,993	21,451	8,325	7,486
<b>Paper and pulp mills.....</b>	<b>52,263</b>	<b>49,786</b>	<b>2,477</b>	<b>31,947</b>	<b>17,293</b>	<b>2,926</b>
Printing and publishing.....	11,434	8,828	2,550	7,928	2,250	1,244
Shoe factories.....	19,216	14,194	5,016	14,090	4,775	344
Tanneries.....	27,480	26,703	777	12,487	12,466	2,503
<b>Textile industries—</b>						
Carpet mills.....	3,963	3,378	575	1,932	1,922	79
Cotton mills.....	76,315	69,646	16,669	47,537	15,964	12,816
Knitting mills.....	11,942	6,803	5,140	9,115	1,899	957
Lace and embroidery mills.....	944	677	267	578	341	25

See p. 57 for footnotes.

No. 45.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
<b>Manufacturing and mechanical industries—Continued.</b>						
<b>Laborers—Continued</b>						
<b>Textile industries—Continued</b>						
Silk mills	10,080	7,380	2,700	8,728	3,078	277
Textile dyeing, finishing, and printing mills	10,005	9,885	720	8,367	4,713	531
Woolen and worsted mills	22,227	18,288	3,939	10,056	11,811	350
Other textile mills	17,243	14,564	2,679	8,537	8,678	2,038
<b>Other industries</b>	463,891	426,308	37,493	230,551	156,430	86,904
Broom and brush factories	2,800	2,407	393	1,971	560	244
Button factories	1,407	1,093	314	938	534	35
Electric light and power plants	15,417	15,255	162	9,304	3,790	2,363
Electrical supply factories	26,789	23,562	3,227	13,894	11,635	1,247
Gas works	18,845	18,787	58	7,678	7,972	3,288
Leather belt, leather case, etc., factories	3,578	3,274	304	1,427	1,897	254
Liquor and beverage industries	10,530	10,295	235	5,041	3,998	1,586
Paper-box factories	3,384	2,401	983	2,319	916	148
Petroleum refineries	31,795	31,566	229	16,180	10,836	4,767
Rubber factories	51,467	47,515	3,952	28,782	20,856	1,817
Straw factories	577	513	64	293	254	30
Other and not specified industries	297,302	269,730	27,572	132,886	98,302	70,625
<b>Loom fixers</b>	15,961	15,958	3	8,749	7,182	29
<b>Machinists, millwrights, and toolmakers</b>	894,662	894,654	8	686,875	218,049	10,288
Machinists	801,801	801,806	5	599,530	192,090	9,758
Millwrights	37,069	37,069		27,345	9,938	376
Toolmakers and die setters and sinkers	55,092	55,089	3	28,900	16,021	158
<b>Managers and superintendents (manufacturing)</b>	201,721	196,771	4,950	173,161	28,316	163
<b>Manufacturers and officials</b>	231,615	223,289	8,326	158,428	72,718	354
Mechanics (n. o. s.)	281,741	261,690	51	232,319	39,836	9,200
Millers (grain, flour, feed, etc.)	23,272	23,265	7	20,554	2,339	367
Mitiners and millinery dealers	73,255	3,657	69,598	60,710	11,044	590
Molders, founders, and casters (metal)	123,681	123,668	13	66,604	50,343	6,534
Oilers of machinery	24,612	24,568	44	16,772	6,777	1,027
Painters, glaziers, and varnishers (building)	248,497	248,394	103	177,076	63,261	6,084
Painters, glaziers, enamelers, etc. (factory)	74,535	71,303	3,232	51,984	21,107	1,398
Paper hangers	18,740	18,338	402	14,043	3,745	954
Pattern and model makers	27,720	27,653	57	21,162	6,509	48
Plasterers and cement finishers	46,876	45,870	6	25,790	12,979	7,082
Plumbers and gas and steam fitters	206,718	206,715	3	170,034	33,107	3,516
Pressmen and plate printers (printing)	18,683	18,683		16,410	2,156	101
Rollers and roll hands (metal)	25,061	25,061		15,924	8,390	736
Roofers and slaters	11,378	11,378		7,970	2,795	609
Sawyers	33,800	33,800	9	26,609	4,367	2,755
<b>Semiskilled operatives (n. o. s.):</b>						
Chemical and allied industries	50,341	32,072	18,269	36,143	11,892	2,353
Fertilizer factories	1,407	1,352	55	616	185	903
Paint and varnish factories	5,521	4,686	835	3,673	1,631	216
Powder, cartridge, dynamite, fuse, and fireworks factories	7,379	4,811	2,568	3,567	1,635	151
Soap factories	6,288	3,239	3,049	4,618	1,545	121
Other chemical factories	29,748	17,984	11,762	21,699	6,896	1,162
Cigar and tobacco factories	145,222	61,262	83,960	86,372	38,923	19,849
<b>Clay, glass, and stone industries</b>	85,434	72,269	13,165	62,113	19,697	3,551
Brick, tile, and terra-cotta factories	9,987	9,367	620	6,327	2,656	1,004
Glass factories	44,831	37,636	7,195	34,464	8,851	1,508
Lime, cement, and artificial-stone factories	7,633	7,426	207	4,380	2,616	625
Marble and stone yards	5,546	5,478	68	3,138	2,191	217
Potteries	17,437	12,372	5,065	13,804	3,383	199
<b>Clothing industries</b>	409,361	143,718	265,643	216,816	176,409	13,868
Corset factories	12,642	1,115	11,527	9,905	2,690	47
Glove factories	23,357	6,584	16,773	18,475	4,772	99
Hat factories (felt)	21,178	14,716	6,462	13,699	7,304	173
Shirt, collar, and cuff factories	52,377	10,361	42,016	39,873	10,981	1,431
Suit, coat, cloak, and overall factories	143,872	79,357	64,515	53,435	53,076	7,367
Other clothing factories	166,936	31,586	124,350	83,429	67,587	4,851

See p. 57 for footnotes.

No. 45.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation.	Total	Male	Female	Native white	Foreign-born white	Negro
<b>Manufacturing and mechanical industries—Continued.</b>						
<b>Semiskilled operatives—Continued.</b>						
Food industries.....	188,806	116,493	72,402	122,408	50,067	13,792
Bakeries.....	20,441	8,828	11,583	15,307	4,396	728
Butter, cheese, and condensed-milk factories.....	18,341	16,086	2,745	14,963	3,600	100
Candy factories.....	52,261	20,913	31,368	37,924	12,892	1,406
Fish curing and packing.....	7,586	4,363	3,223	2,972	1,069	2,191
Flour and grain mills.....	6,112	7,524	588	6,105	1,503	504
Fruit and vegetable canning, etc.....	10,204	3,898	6,306	7,267	2,825	494
Slaughter and packing houses.....	49,991	41,906	8,085	23,941	18,469	7,554
Sugar factories and refineries.....	3,800	3,144	662	2,386	1,268	161
Other food factories.....	17,633	9,791	7,842	11,523	4,475	1,520
Harness and saddle industries.....	18,135	17,573	562	13,478	4,384	255
Iron and steel industries.....	689,960	632,161	57,819	462,572	203,394	23,616
Agricultural implement factories.....	7,722	7,136	586	4,966	2,687	108
Automobile factories.....	121,164	108,376	12,788	85,013	34,331	1,726
Blast furnaces and steel rolling mills.....	93,627	89,526	4,101	52,956	36,287	5,352
Car and railroad shops.....	97,979	97,003	976	68,617	26,664	3,619
Ship and boat building.....	97,666	97,173	491	65,449	26,686	6,200
Wagon and carriage factories.....	2,430	8,749	681	7,023	2,182	225
Other iron and steel factories.....	245,450	209,112	36,338	169,126	71,695	5,680
Not specified metal industries.....	16,942	15,084	1,858	10,439	5,692	808
Other metal industries.....	91,261	60,844	30,417	62,744	27,307	1,234
Brass mills.....	17,462	13,576	3,906	10,124	7,102	254
Clock and watch factories.....	18,244	10,043	8,201	13,876	4,342	26
Copper factories.....	2,966	2,834	152	1,728	1,206	48
Gold, silver, and jewelry factories.....	21,322	12,378	7,944	15,102	6,074	139
Lead and zinc factories.....	2,464	2,186	278	1,777	627	60
Tinware, enamelware, etc., factories.....	19,356	12,167	7,189	14,025	4,748	580
Other metal factories.....	9,437	6,660	2,777	6,112	3,196	127
Lumber and furniture industries.....	168,719	150,079	18,640	116,442	41,824	9,568
Furniture factories.....	55,717	48,906	6,811	37,480	16,628	1,504
Piano and organ factories.....	19,852	16,949	2,903	12,102	7,592	157
Saw and planing mills.....	57,320	54,016	3,304	42,123	8,567	6,209
Other woodworking factories.....	35,830	30,206	5,622	24,737	9,037	1,606
Paper and pulp mills.....	54,669	41,321	13,348	39,390	14,422	845
Printing and publishing.....	80,403	39,281	41,122	66,808	11,966	1,598
Shoe factories.....	206,225	132,813	73,412	148,944	55,941	1,306
Tanneries.....	32,226	28,508	3,628	16,940	15,303	971
<b>Textile industries—</b>						
Carpet mills.....	23,387	13,003	10,384	13,963	9,222	191
Cotton mills.....	302,454	153,269	149,185	206,250	92,534	3,649
Knitting mills.....	107,604	36,922	80,682	87,153	19,408	1,034
Lace and embroidery mills.....	19,083	8,086	12,997	10,948	7,906	227
Silk mills.....	115,721	42,953	72,768	84,596	30,793	329
Textile dyeing, finishing, and printing mills.....	17,736	12,154	5,582	10,940	6,477	305
Woolen and worsted mills.....	126,418	94,703	61,715	72,909	53,019	322
Other textile mills.....	79,994	34,944	45,050	49,796	25,850	1,631
Other industries.....	622,662	410,256	212,406	417,418	182,155	22,757
Broom and brush factories.....	12,606	10,219	2,387	9,152	2,796	647
Button factories.....	12,977	7,768	5,209	8,428	4,269	277
Electric light and power plants.....	15,949	15,610	339	13,407	2,164	370
Electrical supply factories.....	64,841	37,452	27,389	50,217	14,179	429
Gas works.....	9,462	9,294	168	6,782	2,361	827
Leather belt, leather case, etc., factories.....	17,189	12,809	4,380	9,012	7,867	318
Liquor and beverage industries.....	15,655	14,980	695	7,773	7,149	723
Paper-box factories.....	20,452	7,077	13,375	15,896	4,286	264
Petroleum refineries.....	8,891	8,229	662	6,727	1,900	257
Rubber factories.....	86,204	67,370	18,834	59,678	25,641	968
Straw factories.....	14,102	7,751	6,351	6,940	7,075	85
Other and not specified industries.....	344,334	211,717	132,617	223,404	102,499	18,192
<b>Shoemakers and cobblers (not in factory).....</b>	78,859	78,599	260	25,600	48,284	4,707
<b>Skilled occupations (n. o. s.<sup>1</sup>).....</b>	19,395	19,326	69	13,914	5,236	238
Annealers and temperers (metal).....	2,913	2,910	3	1,728	1,133	61
Piano and organ tuners.....	7,047	7,007	40	5,624	1,346	77
Wood carvers.....	3,025	3,008	17	1,414	1,602	9
Other skilled occupations.....	6,410	6,401	9	5,148	1,156	101

See p. 37 for footnotes.



No. 45.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
<b>Manufacturing and mechanical industries—Continued.</b>						
Stone cutters	22,099	22,096	3	10,863	10,955	289
Structural iron workers (building)	18,836	18,836		13,704	4,999	196
Tailors and tailoresses	192,232	160,404	31,828	43,432	141,359	8,892
Tinsmiths and coppersmiths	74,968	74,957	11	63,715	20,259	970
Upholsterers	29,605	27,338	2,267	20,182	8,771	648
<b>Transportation</b>	<b>3,063,582</b>	<b>2,850,522</b>	<b>213,064</b>	<b>2,193,879</b>	<b>547,613</b>	<b>518,481</b>
<b>Water transportation (selected occupations)</b>						
Boatmen, canalmen, and lock keepers	6,319	6,286	33	5,128	835	347
Captains, masters, mates, and pilots	26,320	26,318	2	17,678	8,325	307
Longshoremen and stevedores	85,928	85,805	323	20,893	37,633	27,337
Sailors and deck hands	54,832	54,800	32	27,098	20,214	7,232
<b>Road and street transportation (selected occupations)</b>						
Carriage and hack drivers	9,057	8,966	91	6,401	1,346	1,296
Chauffeurs	286,045	284,098	949	202,967	43,095	38,578
Draymen, teamsters, and expressmen	411,132	410,484	648	298,942	54,907	56,714
Foremen of livery and transfer companies	3,868	3,866	2	2,804	825	237
Garage keepers and managers	42,151	41,944	207	37,301	4,591	309
Hostlers and stable hands	18,976	18,973	3	10,321	4,482	4,147
Laborers (garage, road, and street)	158,482	158,204	278	76,714	45,381	35,829
Garage	31,450	31,339	111	21,691	3,630	6,047
Road and street building and repairing	115,836	115,673	163	51,165	35,880	28,318
Street cleaning	11,196	11,192	4	3,858	6,671	1,464
Livery-stable keepers and managers	11,240	11,168	72	9,469	1,566	193
Proprietors and managers of transfer companies	23,497	23,231	266	16,673	8,886	990
<b>Railroad transportation (selected occupations)</b>						
Baggagemen and freight agents	16,819	16,789	30	14,746	1,589	482
Boiler washers and engine hostlers	25,305	25,271	34	16,037	5,417	3,517
Brakemen	114,107	114,107		102,968	8,409	4,722
Conductors (steam railroad)	74,639	74,539		69,016	5,467	33
Conductors (street railroad)	63,760	63,607	253	52,823	10,930	4
Foremen and overseers (steam railroad)	73,046	72,980	66	55,844	15,674	1,186
Foremen and overseers (street railroad)	6,248	6,236	12	4,663	1,507	74
Laborers (steam railroad)	470,199	463,613	6,586	214,030	153,453	97,979
Laborers (street railroad)	25,514	25,046	468	9,832	11,411	4,164
Locomotive engineers	109,899	109,899		99,683	10,099	111
Locomotive firemen	91,345	91,345		78,305	6,491	6,506
Motormen	66,519	66,499	20	49,851	16,653	6
Officials and superintendents	35,881	35,830	51	32,827	3,051	3
Switchmen, flagmen, and yardmen	111,565	111,000	565	91,131	16,800	3,599
Ticket and station agents	26,585	24,324	2,261	24,642	1,924	16
<b>Express, post, telegraph, and telephone (selected occupations)</b>						
Agents (express companies)	5,203	5,193	100	5,038	250	4
Express messengers and railway mail clerks	25,005	24,996	9	23,015	1,063	904
Mail carriers	91,451	90,131	1,320	82,094	5,631	3,623
Telegraph and telephone linemen	37,917	37,905	12	34,670	2,860	377
Telegraph messengers	9,403	8,969	434	8,161	979	258
Telegraph operators	79,434	62,574	16,860	74,950	4,341	130
Telephone operators	190,160	11,781	178,379	181,589	7,816	718
<b>Other transportation pursuits:</b>						
Foremen and overseers (n. o. s.)	25,995	25,958	37	21,463	4,073	448
Road and street building and repairing	9,558	9,557	1	7,763	1,606	181
Telegraph and telephone	8,822	6,797	25	6,184	631	7
Other transportation	9,616	9,604	11	7,516	1,836	258
Inspectors (steam and street railroads)	46,172	46,120	52	37,445	8,495	229
Inspectors (other transportation)	4,061	3,728	333	3,656	395	10
Laborers (n. o. s.)	33,432	33,229	203	20,378	6,206	6,814
Express companies	9,089	9,067	22	6,019	1,574	1,486
Pipeline	7,369	7,362	7	5,152	1,638	371
Telegraph and telephone	5,068	5,011	77	3,801	781	504
Water transportation	5,966	5,963	3	3,313	1,056	1,589
Other transportation	5,920	5,836	94	2,094	957	2,864

See p. 57 for footnotes.

No. 45.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
<b>Transportation—Continued.</b>						
Other transportation pursuits—Contd.						
Proprietors, officials, and managers <sup>1</sup>	18,967	18,384	573	17,264	1,061	12
Telegraph and telephone	11,608	11,050	544	10,961	636	1
Other transportation	7,354	7,325	29	6,303	1,025	9
Other occupations (semiskilled)	48,124	46,634	1,490	25,261	9,843	2,944
Steam railroad	28,621	27,916	705	21,548	4,568	2,439
Street railroad	9,269	9,088	171	6,239	2,837	181
Other transportation	10,244	9,630	614	7,474	2,438	334
<b>Trade</b>	<b>4,942,979</b>	<b>3,375,187</b>	<b>997,792</b>	<b>3,238,373</b>	<b>660,530</b>	<b>140,497</b>
Bankers, brokers, and money lenders	161,613	156,309	5,304	145,749	15,544	142
Bankers and bank officials	62,375	78,149	4,226	76,901	5,319	72
Commercial brokers and commission men	27,552	27,358	194	22,991	4,487	15
Loan brokers and pawnbrokers	5,473	5,321	152	4,441	1,014	10
Stock brokers	29,609	29,233	376	26,773	2,800	28
Brokers, not specified and promoters	16,604	16,248	356	14,643	1,924	17
Clerks in stores <sup>1</sup>	413,918	243,621	170,397	354,397	52,775	5,208
Commercial travelers	179,320	176,514	2,806	160,702	18,210	357
Decorators, drapers, and window dressers	8,853	7,696	1,156	7,060	1,600	129
Deliverymen (bakeries, stores, and laundries)	170,235	170,039	196	117,807	27,794	24,398
Floorwalkers and foremen in stores	20,604	16,565	4,039	16,265	4,007	322
Foremen (warehouses, stockyards, etc.)	5,833	5,802	31	4,625	1,064	1
Inspectors, gaugers, and samplers	13,714	12,683	1,031	10,429	2,313	977
Insurance agents	119,918	114,835	5,083	100,043	16,897	2,922
Officials of insurance companies	15,060	14,754	306	13,035	1,948	173
Laborers, coal yards	25,192	25,157	35	10,818	7,546	6,794
Laborers, elevators	11,312	11,244	68	8,148	2,004	1,158
Laborers, lumberyards	43,351	43,297	54	23,996	11,758	7,453
Laborers, stockyards	22,888	22,650	29	6,533	10,316	6,032
Laborers, warehouses	22,866	22,156	710	11,372	5,416	6,042
Laborers, porters, and helpers in stores	125,007	116,602	8,405	57,311	26,044	40,693
Newsboys	27,961	27,635	326	24,600	2,220	1,115
Proprietors, officials, and managers <sup>1</sup>	34,776	33,715	1,061	30,002	4,425	298
Real estate agents and officials	149,135	139,927	9,208	123,147	24,495	1,399
<b>Retail dealers<sup>1</sup></b>	<b>1,328,275</b>	<b>1,249,295</b>	<b>78,980</b>	<b>873,094</b>	<b>424,681</b>	<b>23,620</b>
Agricultural implements and wagons	7,789	7,760	29	6,723	1,060	2
Automobiles and accessories	28,768	28,626	142	25,585	3,117	45
Books and stationery	8,966	7,860	1,106	5,350	3,575	39
Boots and shoes	22,544	21,781	763	13,301	9,080	143
Butchers and meat dealers	122,105	120,940	1,165	71,122	47,708	3,099
Buyers and shippers of grain	7,305	7,288	17	6,586	713	4
Buyers and shippers of livestock	30,464	30,433	31	27,148	3,102	172
Buyers and shippers of other farm produce	10,540	10,507	33	9,673	801	28
Candy and confectionery	40,091	32,368	7,723	19,613	19,808	579
Cigars and tobacco	19,141	18,031	1,110	12,350	6,513	194
Clothing and men's furnishings	46,653	43,440	3,213	25,327	21,115	129
Coal and wood	26,556	26,067	499	18,609	6,279	1,754
Delicatessen stores	4,333	3,565	768	1,220	3,084	27
Department stores	11,752	10,800	952	9,456	2,246	34
Drugs and medicines, including druggists and pharmacists	86,157	76,905	9,252	66,501	10,519	910
Dry goods, fancy goods, and notions	63,909	56,158	7,751	37,402	25,688	292
Five and ten cent and variety stores	5,968	4,899	1,069	4,624	1,321	13
Flour and feed	9,309	9,212	97	7,818	1,443	40
Fruit	23,385	22,165	1,200	5,685	17,403	216
Furniture	26,013	25,337	676	18,511	7,229	266
General stores	80,026	76,317	3,709	67,639	10,813	894
Groceries	239,236	216,069	23,177	148,544	82,542	6,339
Hardware, stoves, and cutlery	41,144	40,453	691	34,731	6,303	74
Hucksters and peddlers	50,402	48,493	1,909	15,359	31,434	3,194
Jewelry	21,433	20,652	781	14,428	6,853	96
Junk	22,749	22,598	151	5,272	16,332	1,132
Lumber	27,087	27,589	98	25,125	2,496	60
Milk	13,104	12,509	595	8,797	4,230	74
Musical and musical instruments	7,909	7,360	549	6,272	1,601	32
Newsdealers	8,474	7,608	866	5,714	2,599	165
Oil, paint, and wall paper	6,577	6,306	279	4,950	1,612	12
Opticians	12,632	11,743	889	10,499	2,078	60
Produce and provisions	34,473	32,873	1,600	21,443	11,936	699
Other specified retail dealers	100,933	94,820	6,113	63,858	34,893	1,378
Not specified retail dealers	65,728	59,483	6,245	40,040	17,376	1,488

See p. 57 for footnotes.

No. 45.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
<b>Trade—Continued.</b>						
Salesmen and saleswomen.....	1, 177, 494	816, 382	361, 142	1, 006, 141	159, 965	6, 413
Auctioneers.....	5, 048	5, 045	3	4, 319	714	13
Demonstrators.....	4, 823	1, 639	3, 184	4, 325	491	94
Sales agents.....	41, 841	40, 207	1, 634	37, 067	4, 670	96
Salesmen and saleswomen (stores)....	1, 125, 782	769, 461	356, 321	962, 440	154, 180	6, 210
Undertakers.....	24, 469	23, 342	1, 127	20, 772	2, 184	1, 598
Wholesale dealers, importers and exporters.....	73, 574	72, 780	794	50, 136	22, 871	67
Other pursuits (semiskilled).....	67, 611	52, 106	15, 505	50, 040	14, 343	2, 967
Fruit graders and packers.....	8, 074	4, 988	3, 086	5, 348	1, 191	353
Meat cutters.....	22, 884	22, 804	80	18, 211	4, 218	448
Packers, wholesale and retail trade....	19, 701	13, 603	6, 098	13, 931	4, 654	1, 076
Other occupations.....	16, 952	10, 711	6, 241	11, 560	4, 280	1, 082
<b>Public service (not elsewhere classified).....</b>	<b>770, 460</b>	<b>748, 666</b>	<b>21, 794</b>	<b>590, 466</b>	<b>127, 890</b>	<b>52, 103</b>
Firemen (fire department).....	50, 771	50, 771	—	45, 119	5, 540	109
Guards, watchmen, and doorkeepers....	115, 553	115, 154	399	75, 071	35, 814	4, 568
Laborers (public service).....	106, 915	105, 383	1, 530	44, 898	31, 320	30, 830
Marshals, sheriffs, detectives, etc.....	32, 214	30, 968	1, 246	28, 521	3, 341	323
Officials and inspectors (city).....	33, 505	31, 918	1, 587	29, 322	4, 200	77
Officials and inspectors (county).....	22, 092	18, 630	3, 462	20, 096	1, 370	18
Officials and inspectors (State).....	9, 126	8, 596	530	8, 384	734	4
Postmasters.....	31, 935	30, 737	11, 208	30, 235	1, 557	118
Other United States officials.....	39, 273	38, 621	652	35, 708	3, 350	74
Police men.....	82, 120	81, 884	236	67, 002	13, 854	999
Soldiers, sailors, and marines <sup>1</sup> .....	225, 503	225, 503	—	189, 192	22, 503	12, 511
Other pursuits.....	21, 453	20, 309	1, 144	16, 359	3, 628	1, 423
<b>Professional service.....</b>	<b>2, 143, 889</b>	<b>1, 127, 321</b>	<b>1, 016, 488</b>	<b>1, 829, 090</b>	<b>221, 719</b>	<b>93, 183</b>
Actors.....	28, 361	15, 124	13, 237	22, 581	4, 558	1, 096
Showmen.....	19, 811	18, 694	1, 117	16, 054	2, 811	878
Architects.....	18, 185	18, 048	137	15, 213	2, 905	50
Artists, sculptors, and teachers of art.....	35, 402	20, 785	14, 617	27, 549	7, 479	259
Authors.....	6, 608	3, 662	3, 006	5, 716	872	64
Editors and reporters.....	34, 197	28, 467	5, 730	30, 335	3, 492	251
Chemists, assayers, and metallurgists....	32, 941	31, 227	1, 714	27, 880	4, 788	207
Clergymen.....	127, 270	125, 483	1, 787	80, 540	26, 891	19, 871
College presidents and professors <sup>2</sup> .....	33, 407	23, 332	10, 075	29, 260	3, 053	1, 063
Dentists.....	56, 162	54, 323	1, 839	48, 397	6, 537	1, 109
Designers, draftsmen, and inventors.....	70, 651	62, 967	7, 664	56, 617	13, 839	145
Lawyers, judges, and justices.....	122, 519	120, 781	1, 738	113, 823	7, 679	950
Librarians.....	15, 207	1, 795	13, 502	14, 430	788	89
Musicians and teachers of music.....	130, 265	57, 587	72, 678	102, 796	21, 444	5, 902
Osteopaths.....	5, 030	3, 867	1, 663	4, 282	424	215
Photographers.....	34, 259	27, 140	7, 119	26, 962	6, 511	606
Physicians and surgeons.....	144, 977	137, 758	7, 219	125, 666	15, 671	3, 495
Teachers (athletics, dancing, etc.)....	9, 711	5, 677	4, 034	8, 209	1, 371	121
Teachers (school).....	752, 935	116, 848	635, 207	681, 017	35, 136	35, 442
Technical engineers.....	136, 121	136, 080	41	119, 889	15, 941	184
Civil engineers and surveyors.....	64, 660	64, 642	18	58, 786	5, 743	85
Electrical engineers.....	27, 077	27, 065	12	24, 041	2, 944	68
Mechanical engineers <sup>10</sup> .....	37, 689	37, 678	11	31, 288	6, 326	31
Mining engineers.....	6, 693	6, 693	—	5, 764	928	—
Trained nurses.....	149, 129	5, 464	143, 664	122, 008	22, 772	3, 341
Veterinary surgeons.....	13, 494	13, 493	1	11, 984	1, 357	145
All other professional pursuits.....	15, 721	13, 950	5, 771	16, 419	2, 983	117
<b>Semiprofessional pursuits.....</b>	<b>116, 553</b>	<b>70, 626</b>	<b>45, 929</b>	<b>93, 504</b>	<b>19, 821</b>	<b>2, 888</b>
Abstractors, notaries, and justices of peace.....	10, 071	8, 588	1, 483	9, 202	800	68
Healers (except osteopaths and physicians and surgeons).....	14, 774	6, 872	7, 902	11, 013	3, 042	606
Keepers of charitable and penal institutions.....	12, 664	7, 953	4, 931	10, 620	2, 134	126
Officials of lodges, societies, etc.....	11, 736	9, 574	2, 162	9, 558	1, 833	276
Religious, charity, and welfare workers.....	41, 078	14, 151	26, 927	32, 176	7, 573	1, 231
Theatrical owners, managers, and officials.....	18, 395	17, 136	1, 257	15, 189	3, 054	176
All other occupations.....	7, 617	6, 350	1, 267	5, 796	1, 385	416
<b>Attendants and helpers (professional service).....</b>	<b>21, 712</b>	<b>14, 698</b>	<b>17, 019</b>	<b>26, 949</b>	<b>2, 706</b>	<b>2, 014</b>

See p. 57 for footnotes.

**No. 45.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: CONTINENTAL UNITED STATES, 1920—Continued**

Occupation	Total	Male	Female	Native white	Foreign-born white	Negro
<b>Domestic and personal service...</b>	<b>3,404,892</b>	<b>1,217,908</b>	<b>2,186,984</b>	<b>1,558,830</b>	<b>788,193</b>	<b>1,056,869</b>
Barbers, hairdressers, and manicurists	216,211	182,965	33,246	124,905	59,108	31,352
Billiard room, dance hall, skating rink, etc., keepers	24,897	24,655	242	18,134	6,912	1,582
Boarding and lodging house keepers	133,392	18,653	114,740	92,532	29,474	10,787
Boothblacks	15,175	15,142	33	2,049	7,556	5,500
Charwomen and cleaners	36,808	11,848	24,955	12,557	14,596	9,283
Elevator tenders	40,713	33,376	7,337	19,934	10,385	10,334
Hotel keepers and managers	58,363	41,449	14,134	41,039	12,834	1,020
Housekeepers and stewards	221,612	17,262	204,350	159,513	46,265	15,161
Janitors and sextons	178,628	149,590	29,038	78,604	54,910	44,110
Laborers (domestic and professional service)	32,893	31,224	1,669	17,212	10,009	5,485
Launderers and laundresses (not in laundry)	396,756	10,882	385,874	72,583	34,638	288,763
Laundry operatives <sup>11</sup>	120,715	39,968	80,747	63,253	19,397	25,332
Laundry owners, officials, and managers <sup>12</sup>	18,692	12,239	1,453	8,150	4,189	247
Midwives	4,773		4,773	806	2,476	1,437
Nurses (not trained)	151,996	19,339	132,658	110,071	28,024	13,799
Porters, domestic and professional service	43,208	42,929	279	8,268	9,083	25,406
Porters, steam railroad	22,513	22,486	27	1,504	745	20,234
Other porters (except in stores)	22,447	22,298	149	4,047	4,521	13,802
Restaurant, café, and lunch room keepers	87,987	72,343	15,644	47,503	30,456	7,511
Servants	1,270,946	258,813	1,012,133	486,618	285,634	481,500
Bell boys, chore boys, etc.	17,231	16,472	759	7,166	2,445	7,293
Chambermaids	29,302	250	29,052	10,596	8,130	10,453
Coachmen and footmen	2,427	2,427		737	1,192	494
Cooks	298,475	129,857	268,618	104,677	80,877	202,435
Ladies' maids, valets, etc.	5,791	1,268	4,523	3,082	2,098	548
Nursemaids	11,890	11	11,879	5,003	1,629	5,244
All other servants	806,830	108,528	697,302	355,357	189,263	255,123
Waiters	228,985	112,064	116,921	113,049	66,149	45,836
Other pursuits	84,967	78,475	6,492	46,609	31,841	5,971
Bartenders	26,065	25,976	109	14,125	11,349	573
Cleaners and renovators (clothing)	21,667	17,094	4,573	11,607	5,792	4,057
Hunters, trappers, and guides	7,332	7,288	44	5,998	595	394
Saloon keepers	17,835	17,312	523	6,941	10,791	96
All other occupations	12,048	10,805	1,243	7,838	3,314	851
<b>Clerical occupations</b>	<b>3,138,541</b>	<b>1,700,425</b>	<b>1,438,116</b>	<b>2,930,107</b>	<b>267,177</b>	<b>37,011</b>
Agents, canvassers, and collectors	173,772	150,941	15,831	154,180	19,877	1,566
Bookkeepers, cashiers, and accountants	734,688	375,564	359,124	464,923	66,578	2,364
Clerks (except clerks in stores)	1,487,905	1,015,742	472,163	1,332,767	136,649	17,437
Messenger, bundle, and office boys and girls <sup>13</sup>	113,022	95,768	14,254	91,034	8,577	13,332
Stenographers and typists	615,154	50,410	564,744	577,203	35,490	2,312

<sup>1</sup> Not otherwise specified.<sup>2</sup> Includes tinplate mills.<sup>3</sup> Includes iron foundries.<sup>4</sup> Includes box factories (wood).<sup>5</sup> Teamsters in agriculture, forestry, and the extraction of minerals are classified with the other workers in those industries, respectively, and drivers for bakeries and laundries are classified with deliverymen in trade.<sup>6</sup> Many of the "Clerks in stores" probably are "Salesmen and saleswomen."<sup>7</sup> Includes, also, managers and superintendents of retail stores.<sup>8</sup> Includes only those resident in continental United States at the date of the enumeration.<sup>9</sup> Probably includes some teachers in schools below collegiate rank.<sup>10</sup> Includes, also, all technical engineers not elsewhere classified.<sup>11</sup> Some of the owners of hand laundries probably are included with laundry operatives.<sup>12</sup> Except telegraph messengers.

Source: Bureau of the Census, Department of Commerce.

### No. 46.—MALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH GROUP OF GAINFUL OCCUPATIONS, BY STATES, 1920

[NOTE.—For total number of males 10 years of age or over gainfully employed see Table 48]

Division and State	Agriculture, forestry, and animal husbandry	Extraction of minerals	Manufacturing and mechanical industries	Transportation	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service	Clerical occupations
<b>Continental United States</b>	<b>8,869,820</b>	<b>1,087,366</b>	<b>10,822,123</b>	<b>2,850,532</b>	<b>3,575,187</b>	<b>748,644</b>	<b>1,127,391</b>	<b>1,217,900</b>	<b>1,709,425</b>
<b>New England</b>	<b>247,478</b>	<b>4,843</b>	<b>1,333,095</b>	<b>198,868</b>	<b>274,308</b>	<b>65,093</b>	<b>87,538</b>	<b>92,175</b>	<b>140,368</b>
Maine	75,203	745	97,295	21,402	23,171	5,188	7,212	7,359	7,438
New Hampshire	29,390	404	74,373	11,649	12,203	2,821	4,272	4,248	4,165
Vermont	43,052	1,896	38,257	8,650	9,358	1,685	3,121	2,624	2,930
Massachusetts	55,759	1,195	608,645	111,350	160,831	37,232	50,636	54,294	85,231
Rhode Island	8,084	160	116,670	14,710	22,126	8,382	6,248	7,270	10,787
Connecticut	35,990	441	257,856	30,795	46,617	9,713	16,049	16,280	29,612
<b>Middle Atlantic</b>	<b>632,864</b>	<b>243,022</b>	<b>3,124,594</b>	<b>741,491</b>	<b>900,307</b>	<b>185,684</b>	<b>264,894</b>	<b>340,120</b>	<b>631,808</b>
New York	305,505	7,435	1,406,004	370,164	505,254	98,691	162,195	209,493	303,179
New Jersey	59,200	3,922	518,750	104,616	124,213	34,257	41,913	42,834	67,456
Pennsylvania	274,549	331,675	1,203,770	266,721	270,840	52,636	90,716	88,293	160,927
<b>East North Central</b>	<b>1,587,033</b>	<b>211,637</b>	<b>2,799,796</b>	<b>577,811</b>	<b>731,712</b>	<b>194,908</b>	<b>237,951</b>	<b>235,698</b>	<b>391,104</b>
Ohio	349,997	59,359	857,307	160,339	202,635	31,822	66,016	60,839	103,532
Indiana	286,552	33,276	331,848	77,025	95,511	13,861	30,586	25,722	36,906
Illinois	371,237	90,528	753,458	201,205	290,437	50,041	60,968	69,907	150,009
Michigan	281,562	28,582	562,838	82,530	119,309	19,303	36,863	36,882	60,762
Wisconsin	267,665	3,892	264,345	55,812	73,820	10,085	23,498	22,702	31,346
<b>West North Central</b>	<b>1,642,663</b>	<b>79,896</b>	<b>942,681</b>	<b>332,124</b>	<b>450,965</b>	<b>67,691</b>	<b>124,749</b>	<b>129,039</b>	<b>169,496</b>
Minnesota	298,268	14,978	180,607	64,977	87,761	11,220	24,307	26,482	35,300
Iowa	319,931	14,176	158,173	62,665	86,956	8,774	23,097	21,208	22,477
Missouri	383,195	21,468	280,280	94,113	135,441	17,797	37,110	43,960	59,251
North Dakota	118,457	1,296	17,849	11,510	16,772	1,408	4,907	4,200	4,296
South Dakota	114,259	1,438	24,287	12,041	18,907	1,662	5,505	4,812	3,905
Nebraska	183,030	387	76,782	33,796	47,117	5,235	12,733	12,402	13,810
Kansas	227,633	20,260	111,709	53,002	57,324	11,534	17,083	15,908	17,434
<b>South Atlantic</b>	<b>1,797,738</b>	<b>139,849</b>	<b>1,012,013</b>	<b>306,851</b>	<b>340,787</b>	<b>119,639</b>	<b>110,831</b>	<b>117,631</b>	<b>156,216</b>
Delaware	17,161	69	30,853	7,526	6,607	1,493	2,580	2,218	4,515
Maryland	92,743	6,530	171,220	52,951	54,323	21,400	16,971	18,606	31,321
Dist. Columbia	928	79	38,789	14,833	18,558	15,640	12,294	12,402	29,878
Virginia	283,102	16,181	167,771	61,397	60,990	31,321	16,510	20,339	23,786
West Virginia	119,703	102,866	108,031	36,115	29,844	4,126	12,435	8,645	11,920
North Carolina	397,214	1,986	164,367	34,803	46,913	8,619	13,461	13,022	12,770
South Carolina	293,644	621	88,515	20,926	29,805	10,382	8,209	8,694	7,615
Georgia	484,330	2,459	152,663	51,781	67,403	19,164	17,908	20,773	23,931
Florida	108,911	2,962	89,804	28,319	30,374	7,492	10,153	12,552	9,483
<b>East South Central</b>	<b>1,494,081</b>	<b>104,792</b>	<b>454,116</b>	<b>182,987</b>	<b>166,278</b>	<b>34,653</b>	<b>55,482</b>	<b>57,184</b>	<b>60,671</b>
Kentucky	374,428	51,364	121,498	46,972	55,034	16,087	17,344	16,534	20,349
Tennessee	363,798	17,590	128,118	48,734	59,514	7,395	16,132	18,091	18,616
Alabama	381,890	35,564	135,008	40,407	43,661	6,426	13,169	13,467	14,256
Mississippi	373,975	234	68,892	26,154	27,167	4,644	8,817	9,092	7,451
<b>West South Central</b>	<b>1,567,034</b>	<b>82,740</b>	<b>543,627</b>	<b>232,309</b>	<b>277,162</b>	<b>70,896</b>	<b>31,596</b>	<b>94,996</b>	<b>96,083</b>
Arkansas	342,341	5,351	72,109	27,288	33,809	7,754	11,357	10,010	8,536
Louisiana	238,325	7,581	124,707	48,874	46,116	10,033	12,297	18,943	21,631
Oklahoma	292,496	38,190	99,303	39,671	56,206	8,406	17,902	17,776	16,884
Texas	693,862	31,418	247,408	116,476	141,021	44,703	40,040	48,269	51,983
<b>Mountain</b>	<b>413,355</b>	<b>92,651</b>	<b>310,636</b>	<b>106,500</b>	<b>105,644</b>	<b>29,374</b>	<b>39,620</b>	<b>41,693</b>	<b>39,479</b>
Montana	82,772	16,691	30,912	17,957	16,427	2,588	5,926	6,008	5,979
Idaho	71,543	5,129	23,253	10,562	11,875	1,427	4,489	4,270	3,412
Wyoming	25,221	8,767	14,922	9,516	5,345	1,433	2,044	2,785	2,101
Colorado	96,925	23,357	67,677	29,909	39,070	6,529	12,647	13,492	14,364
New Mexico	53,204	7,302	14,142	10,664	7,142	6,353	3,056	3,060	2,158
Arizona	32,917	15,339	21,840	11,276	9,798	8,223	4,229	4,576	2,966
Utah	42,372	10,096	30,917	11,484	13,528	2,265	5,608	4,713	6,355
Nevada	8,401	6,170	6,923	4,151	2,459	527	1,461	2,015	1,107
<b>Pacific</b>	<b>480,394</b>	<b>36,836</b>	<b>639,794</b>	<b>191,819</b>	<b>259,635</b>	<b>61,818</b>	<b>96,337</b>	<b>110,344</b>	<b>108,608</b>
Washington	127,720	8,909	168,566	49,834	55,727	12,471	19,235	21,227	22,178
Oregon	89,692	2,197	81,215	26,826	30,477	4,362	11,201	10,685	11,138
California	262,982	24,630	389,013	115,159	173,431	44,985	64,901	78,432	75,292

Source: Bureau of the Census, Department of Commerce.

# No. 47.—FEMALES 10 YEARS OF AGE AND OVER ENGAGED IN EACH GROUP OF GAINFUL OCCUPATIONS, BY STATES, 1920

[NOTE.—For total number of females 10 years of age and over gainfully occupied see Table 48]

Division and State	Agriculture, forestry, and animal husbandry	Extraction of minerals	Manufacturing and mechanical industries	Transportation	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service	Clerical occupations
<b>Continental United States</b>	<b>1,084,128</b>	<b>2,664</b>	<b>1,830,341</b>	<b>213,064</b>	<b>687,728</b>	<b>21,724</b>	<b>1,016,496</b>	<b>2,196,994</b>	<b>1,439,116</b>
<b>New England</b>	<b>8,102</b>	<b>10</b>	<b>379,171</b>	<b>16,633</b>	<b>55,104</b>	<b>1,226</b>	<b>67,748</b>	<b>168,906</b>	<b>154,691</b>
Maine	2,101	3	22,953	1,238	4,368	268	9,412	16,696	7,804
New Hampshire	1,086	2	24,950	702	2,458	119	5,084	9,816	5,135
Vermont	1,208	1	6,415	628	1,609	166	4,490	9,006	3,378
Massachusetts	1,796	3	219,253	10,549	32,888	544	48,137	94,706	95,219
Rhode Island	270		45,250	1,194	4,428	69	5,832	11,937	11,561
Connecticut	1,691	1	60,350	2,324	9,413	132	14,792	26,043	31,506
<b>Middle Atlantic</b>	<b>20,244</b>	<b>844</b>	<b>685,844</b>	<b>57,738</b>	<b>174,657</b>	<b>2,111</b>	<b>229,186</b>	<b>494,896</b>	<b>450,213</b>
New York	9,269	114	351,104	32,420	86,090	1,683	126,509	263,468	263,688
New Jersey	1,953	13	111,825	6,499	20,390	367	28,206	62,579	54,168
Pennsylvania	9,764	757	222,935	17,819	68,197	1,061	74,390	168,852	123,457
<b>East North Central</b>	<b>44,757</b>	<b>214</b>	<b>371,368</b>	<b>51,136</b>	<b>161,934</b>	<b>2,533</b>	<b>307,148</b>	<b>378,861</b>	<b>342,808</b>
Ohio	10,658	214	102,075	13,242	43,600	732	51,454	100,898	87,067
Indiana	7,454	46	45,596	6,043	19,034	469	26,247	47,567	32,917
Illinois	9,468	116	122,642	19,156	57,367	1,186	65,653	125,404	140,046
Michigan	8,812	216	55,587	7,864	24,735	650	33,256	69,259	53,004
Wisconsin	10,365	9	45,466	4,831	17,208	476	28,528	45,733	29,739
<b>West North Central</b>	<b>44,590</b>	<b>148</b>	<b>112,840</b>	<b>26,705</b>	<b>77,994</b>	<b>2,794</b>	<b>191,545</b>	<b>314,372</b>	<b>138,628</b>
Minnesota	9,618	19	23,395	5,515	16,670	554	31,176	44,638	32,482
Iowa	7,293	20	18,349	4,630	14,930	769	32,804	38,297	24,149
Missouri	13,668	48	60,603	7,776	23,452	729	32,081	70,126	46,133
North Dakota	3,429	8	1,338	952	2,180	286	8,111	8,906	3,124
South Dakota	3,018	4	1,995	789	2,986	330	8,277	8,441	3,846
Nebraska	4,085	1	7,119	2,812	7,746	428	17,402	18,837	13,350
Kansas	5,479	32	9,841	4,231	10,030	708	21,606	25,129	15,436
<b>South Atlantic</b>	<b>379,700</b>	<b>378</b>	<b>190,653</b>	<b>15,870</b>	<b>55,077</b>	<b>2,812</b>	<b>100,523</b>	<b>375,463</b>	<b>183,790</b>
Delaware	533	1	3,796	419	1,473	37	1,656	6,378	3,810
Maryland	3,136	7	36,195	2,968	11,784	291	12,733	48,539	21,619
District of Columbia	19		5,716	1,912	4,234	430	6,995	30,177	43,168
Virginia	18,805	24	26,371	2,220	8,141	530	17,832	64,264	18,223
West Virginia	5,890	296	9,000	1,442	5,266	213	10,086	18,408	6,841
North Carolina	60,472	4	46,655	1,534	5,982	346	16,216	43,627	7,601
South Carolina	126,991	3	21,029	1,006	3,925	225	9,647	38,336	4,494
Georgia	129,027	7	28,970	2,970	9,129	418	18,029	86,123	14,072
Florida	15,028	37	10,923	1,079	5,154	322	7,330	39,602	5,787
<b>East South Central</b>	<b>311,031</b>	<b>307</b>	<b>89,291</b>	<b>8,386</b>	<b>28,993</b>	<b>1,506</b>	<b>51,672</b>	<b>168,313</b>	<b>59,793</b>
Kentucky	19,321	87	25,536	2,534	9,814	583	14,585	44,227	14,556
Tennessee	36,336	40	22,585	2,716	7,915	288	14,494	56,379	12,355
Alabama	122,755	75	15,103	1,678	6,528	349	12,220	57,345	7,806
Mississippi	132,639	5	6,067	1,170	4,655	336	10,364	36,362	3,966
<b>West South Central</b>	<b>241,060</b>	<b>389</b>	<b>44,636</b>	<b>15,356</b>	<b>42,957</b>	<b>2,227</b>	<b>72,473</b>	<b>189,806</b>	<b>56,258</b>
Arkansas	66,310	5	4,225	1,437	4,654	319	9,061	24,713	5,086
Louisiana	52,611	88	14,437	2,050	7,912	322	11,139	53,727	10,430
Oklahoma	22,161	159	5,482	3,876	8,506	562	16,373	24,622	12,854
Texas	99,978	77	20,712	7,993	21,486	1,014	35,906	86,796	29,862
<b>Mountain</b>	<b>12,603</b>	<b>213</b>	<b>16,795</b>	<b>6,017</b>	<b>18,090</b>	<b>1,644</b>	<b>36,849</b>	<b>54,923</b>	<b>28,283</b>
Montana	2,248	27	1,667	966	2,771	312	6,708	9,064	4,515
Idaho	1,317	3	1,312	656	1,957	222	4,393	4,930	2,719
Wyoming	824	23	442	341	806	125	2,107	3,306	1,429
Colorado	3,228	25	6,247	2,310	6,650	446	12,416	19,526	11,729
New Mexico	1,829	8	1,976	316	991	59	3,168	5,313	1,340
Arizona	3,282	99	2,215	313	1,616	130	2,976	5,600	2,266
Utah	887	21	2,677	945	3,015	183	4,329	5,458	4,268
Nevada	188	8	259	168	370	68	912	1,732	629
<b>Pacific</b>	<b>16,079</b>	<b>96</b>	<b>59,801</b>	<b>15,489</b>	<b>54,031</b>	<b>1,969</b>	<b>78,370</b>	<b>116,973</b>	<b>90,321</b>
Washington	3,806	12	10,973	3,562	11,618	473	17,097	25,997	19,263
Oregon	2,308	6	7,210	2,348	6,445	300	10,662	14,567	10,749
California	9,965	78	41,618	9,689	35,968	1,196	51,511	76,409	60,213

Source: Bureau of the Census, Department of Commerce.

## No. 48.—PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN GAINFUL OCCUPATIONS: BY STATES

[NOTE.—The percentages represent the proportion which persons occupied form of the total population of the given sex 10 years of age and over. See also headnote, Table 41.]

Division and State	Males				Females			
	Number		Per cent		Number		Per cent	
	1910	1920	1910	1920	1910	1920	1910	1920
<b>Continental United States</b>	30,001,584	33,064,737	61.3	70.2	2,075,772	2,440,511	6.9	61.1
<b>New England</b>	2,139,539	2,363,377	80.7	80.4	776,181	871,015	22.8	29.8
Maine	242,175	245,013	78.8	77.9	63,262	64,845	21.3	21.1
New Hampshire	143,303	143,525	80.5	79.2	48,340	49,302	27.5	27.2
Vermont	116,781	111,585	77.9	77.2	28,308	26,899	20.2	19.2
Massachusetts	1,086,787	1,225,163	81.1	80.9	444,301	503,155	31.7	31.6
Rhode Island	180,982	194,438	82.5	82.0	70,939	80,502	32.1	32.7
Connecticut	370,481	443,653	81.3	81.0	119,961	146,252	27.0	27.1
<b>Middle Atlantic</b>	2,380,198	2,192,899	61.1	60.1	1,328,687	1,117,517	24.1	24.1
New York	2,020,158	2,367,909	81.0	80.4	983,086	1,135,295	26.7	26.9
New Jersey	834,795	1,014,663	81.1	80.8	239,565	295,990	24.0	23.9
Pennsylvania	2,525,245	2,740,127	81.3	79.5	605,436	686,222	20.9	20.7
<b>East North Central</b>	2,975,363	3,051,808	79.4	78.7	1,282,880	1,584,041	18.2	18.9
Ohio	1,572,343	1,891,546	79.8	79.4	346,712	409,970	18.5	18.3
Indiana	880,979	931,647	79.5	77.7	155,731	185,385	14.8	16.0
Illinois	1,865,422	2,086,800	80.0	78.8	481,356	540,938	20.0	21.3
Michigan	926,815	1,228,631	79.6	80.0	186,183	245,393	17.4	18.1
Wisconsin	729,804	813,184	76.5	75.8	162,608	182,365	18.6	18.3
<b>West North Central</b>	2,758,608	2,818,881	78.2	74.6	980,440	772,816	16.1	16.2
Minnesota	689,847	742,947	78.2	75.3	145,008	164,066	19.5	18.4
Iowa	604,799	717,377	76.1	73.2	131,514	141,321	15.5	16.2
Missouri	1,076,772	1,072,546	80.7	77.4	211,564	244,616	16.8	18.1
North Dakota	188,372	178,764	78.3	70.9	20,046	28,328	15.8	13.0
South Dakota	180,863	186,885	77.4	72.2	26,714	29,686	14.5	13.3
Nebraska	377,811	386,292	76.8	72.9	63,303	71,789	14.6	14.8
Kansas	540,689	531,881	77.3	73.8	80,094	92,510	13.0	13.7
<b>South Atlantic</b>	2,797,257	4,096,041	83.8	77.5	1,290,472	1,943,958	21.0	22.8
Delaware	68,317	73,122	81.5	79.7	17,546	18,102	22.1	20.8
Maryland	410,884	466,257	81.0	80.0	130,280	137,221	25.2	22.8
District of Columbia	105,044	143,401	79.6	82.0	52,921	92,026	36.0	46.5
Virginia	626,868	677,366	81.4	76.4	168,700	156,210	22.0	18.1
West Virginia	394,390	433,677	81.6	76.0	64,100	57,439	12.9	11.2
North Carolina	674,840	693,155	86.4	75.5	272,990	202,897	34.2	21.9
South Carolina	460,794	468,601	86.7	77.6	267,833	206,656	49.0	33.4
Georgia	807,185	840,412	85.9	78.6	352,941	283,745	37.3	20.7
Florida	248,926	300,050	83.2	77.7	73,161	85,262	27.5	23.3
<b>East South Central</b>	2,859,080	2,808,411	86.5	77.8	940,605	702,433	30.7	31.1
Kentucky	719,369	719,629	82.3	77.1	147,611	131,493	17.4	14.5
Tennessee	682,248	677,988	83.5	76.5	173,298	152,108	21.6	17.2
Alabama	683,104	684,348	88.3	79.5	314,330	223,668	40.9	25.8
Mississippi	574,279	526,446	88.2	78.7	305,366	194,964	47.6	29.1
<b>West South Central</b>	2,760,783	2,049,373	92.6	78.2	746,899	608,973	24.4	17.8
Arkansas	510,410	518,764	86.8	77.7	161,993	115,810	29.7	18.2
Louisiana	501,574	528,597	81.9	77.2	177,009	152,726	29.6	22.4
Oklahoma	520,379	566,834	80.3	73.6	76,253	94,594	14.2	13.2
Texas	1,228,422	1,415,180	82.7	76.6	328,444	303,843	24.1	17.8
<b>Mountain</b>	967,924	1,077,774	81.7	77.1	140,013	177,220	16.1	14.2
Montana	159,806	185,005	84.0	78.9	18,851	28,278	11.1	15.2
Idaho	118,050	135,950	80.4	75.5	13,038	17,509	12.8	12.0
Wyoming	67,693	72,134	87.5	81.7	6,013	9,402	14.9	15.0
Colorado	285,063	303,870	81.3	76.8	53,641	62,587	18.5	17.8
New Mexico	106,418	107,090	80.7	74.5	16,079	14,941	13.8	12.1
Arizona	77,236	112,193	81.5	78.1	10,589	18,896	16.8	16.4
Utah	113,113	127,418	76.9	74.0	18,427	21,783	14.4	13.7
Nevada	40,635	33,214	87.3	84.3	4,375	4,334	18.7	17.7
<b>Pacific</b>	1,652,218	1,979,871	82.1	79.8	261,515	434,039	18.0	20.4
Washington	435,375	485,767	82.4	80.3	66,126	92,900	17.4	18.7
Oregon	204,091	207,791	81.5	78.1	40,472	54,492	17.5	18.4
California	932,752	1,226,113	82.1	80.0	174,916	286,647	20.1	21.4

Source: Bureau of the Census, Department of Commerce.



## No. 49.—RELIGIOUS BODIES: CHURCHES AND MEMBERS, BY DENOMINATIONS

(Note: The names of many of the denominations have been somewhat abbreviated)

Denomination	Churches reporting members		Number of members		Membership by age, 1926		
	1914	1926	1916	1926	Under 13 years	13 years and over	Age not reported
Adventists (5 bodies).....	2,667	2,576	114,915	146,177	3,540	127,467	15,170
Baptist bodies.....	57,828	68,193	7,153,313	8,441,122	415,983	6,149,489	1,875,650
Northern Baptist Convention.....	8,319	7,611	1,244,705	1,289,966	49,897	1,122,211	117,858
Southern Baptist Convention.....	23,580	23,374	2,708,870	3,524,378	182,826	2,808,542	533,008
Negro Baptists <sup>1</sup> .....	21,071	22,082	2,938,579	3,196,823	178,415	1,921,353	1,097,055
Free Will Baptists.....	750	1,024	54,833	79,592	1,190	65,786	12,616
Primitive Baptists.....	2,142	2,267	80,311	81,374	75	42,283	39,016
All other (13 bodies).....	1,966	3,835	126,015	268,969	3,578	192,314	73,097
Brethren, German Baptist (Dunkers) (6 bodies).....	1,283	1,279	123,626	158,248	9,769	137,343	11,136
Christian Church (Gen. Convention).....	1,263	1,044	118,737	112,795	7,411	93,500	11,884
Church of Christ Scientist.....	(?)	1,913	(?)	202,098		202,098	
Church of God (Anderson, Ind.).....	(?)	932	(?)	38,204	1,416	31,862	4,971
Church of the Nazarene.....	866	1,444	32,259	63,558	3,077	55,991	4,490
Churches of Christ.....	5,570	6,226	317,937	433,714			433,714
Congregational Churches.....	5,900	5,026	909,236	881,696	16,291	752,534	112,871
Disciples of Christ.....	8,396	7,648	1,226,028	1,377,595	87,237	1,148,835	142,023
Eastern Orthodox Churches.....	301	440	249,840	259,394	59,913	196,399	13,082
Greek Orthodox Church.....	87	153	119,871	119,496	23,020	87,844	8,631
Russian Orthodox Church.....	199	196	99,681	95,184	26,003	65,751	3,360
All other (5 bodies).....	45	94	30,288	44,765	10,890	32,804	1,071
Evangelical Church.....	2,592	2,054	210,530	206,080	10,410	186,910	8,760
Evangelical Synod of North America.....	1,331	1,287	339,653	314,518		314,518	
Friends (4 bodies).....	1,023	885	112,962	110,422	16,166	85,945	8,311
Independent churches.....	613	257	56,757	24,501	2,314	21,379	10,808
Jewish congregations.....	1,619	2,947	357,135	4,087,357			4,087,357
Latter Day Saints (2 bodies).....	1,530	1,807	462,329	606,561	117,007	434,500	55,054
Lutheran bodies.....	13,921	15,102	2,467,516	3,966,003	1,086,652	2,731,969	147,382
United Lutheran Church in America.....	3,539	3,650	763,596	1,214,340	304,723	865,844	43,773
Augustana Synod.....	1,165	1,180	204,417	311,425	76,920	232,723	1,772
Synodical Conference of America <sup>2</sup> .....	3,620	4,752	777,701	1,292,620	370,686	890,021	61,914
Norwegian Lutheran Church of America.....	2,740	2,554	318,650	496,707	146,306	328,306	22,095
Joint Synod of Ohio and other States.....	826	872	164,968	247,783	73,234	170,043	4,506
Synod of Iowa and other States.....	977	873	130,793	217,873	63,798	150,169	3,916
All other (12 bodies).....	1,034	1,221	107,391	185,256	50,986	124,863	9,406
Mennonites (17 bodies).....	835	826	79,363	87,164	1,735	77,641	7,788
Methodist bodies.....	65,692	60,644	7,166,885	8,070,619	686,940	6,190,559	1,193,120
Methodist Episcopal Church.....	29,315	26,130	3,717,785	4,080,777	313,840	3,240,505	516,432
Methodist Protestant Church.....	2,473	2,239	186,908	192,171	11,561	150,373	30,247
Methodist Episcopal, South.....	19,184	18,096	2,114,479	2,487,094	239,647	1,820,330	427,717
African Methodist Episcopal.....	6,633	6,708	548,355	545,814	42,230	368,833	144,751
African Methodist Episcopal Zion.....	2,716	2,466	257,169	456,813	57,977	391,960	6,876
Colored Methodist Episcopal.....	2,621	2,518	245,749	202,713	14,964	129,643	58,106
All other (18 bodies).....	2,750	2,487	96,440	104,637	6,731	88,916	8,991
Presbyterian bodies.....	15,840	14,848	2,255,626	2,625,284	122,361	2,281,696	221,215
Presbyterian Church, U. S. A.....	9,773	8,947	1,625,817	1,894,030	77,700	1,653,033	163,297
Cumberland Presbyterian Church.....	1,313	1,097	72,052	67,938	3,345	57,770	6,822
United Presbyterian Church.....	991	901	160,726	171,671	7,587	156,512	7,473
Presbyterian Church, U. S.....	3,365	3,469	357,769	451,043	30,769	379,463	40,811
All other (5 bodies).....	398	434	39,262	40,702	2,960	34,920	2,612
Protestant Episcopal Church.....	7,345	7,299	1,092,821	1,858,086	462,310	1,399,351	97,425
Reformed bodies.....	2,745	2,682	537,822	617,551	35,891	524,155	57,505
Reformed Church in America.....	715	717	144,929	153,739	1,951	118,664	33,124
Reformed Church in the U. S.....	1,758	1,709	344,374	361,286	1,905	339,344	19,947
All other (2 bodies).....	272	256	48,519	102,526	31,945	66,147	4,434
Roman Catholic Church.....	17,375	18,940	15,721,815	18,605,003	5,053,781	12,847,277	703,945
Salvation Army.....	742	1,052	35,954	74,788	21,006	53,745	17
Spiritualists.....	354	611	29,028	50,631	309	29,204	10,921
Unitarians.....	411	353	82,515	60,152	395	57,373	2,164
United Brethren (3 bodies).....	3,889	3,375	367,934	395,885	32,819	330,305	32,761
Universalist Church.....	643	496	58,506	54,957	676	48,835	4,446

<sup>1</sup>Includes Free Baptist Churches.<sup>2</sup>Figures for 1916 are for the National Baptist Convention. Figures for 1926 include 243 churches reported with the Northern Baptist Convention in 1916.<sup>3</sup>Not reported.<sup>4</sup>Includes figures for Evangelical Protestant Church of North America.<sup>5</sup>Includes Evangelical Association and United Evangelical Church.<sup>6</sup>Includes the General Synod, United Synod of the South, and the General Council (except Augustana Synod).<sup>7</sup>Includes 4 synods, of which the largest is the Synod of Missouri, Ohio, and other States.<sup>8</sup>Includes figures for Welsh Calvinistic Methodist Church.

Source: Bureau of the Census, Department of Commerce.

**No. 50.—RELIGIOUS BODIES: VALUE OF PROPERTY AND EXPENDITURES, AND NUMBER OF SUNDAY SCHOOLS AND SCHOLARS, AS REPORTED FOR 1926, FOR THE PRINCIPAL DENOMINATIONS**

[NOTE.—The names of many of the denominations have been somewhat abbreviated]

Denomination	Value of church edifices		Expenditures during year		Sunday schools	
	Churches reporting	Amount	Churches reporting	Amount	Churches reporting	Number of scholars
Adventists (5 bodies).....	1,919	11,069,449	2,336	7,610,863	1,759	102,779
Baptist bodies..	52,282	469,835,295	54,145	98,046,096	47,390	4,654,366
Northern Baptist Convention.....	7,297	165,370,576	7,380	34,318,486	6,909	1,052,794
Southern Baptist Convention.....	21,129	173,456,965	22,338	42,904,563	19,882	2,245,630
Negro Baptists.....	19,824	103,473,259	20,210	19,476,981	18,756	1,121,487
Free Will Baptists.....	765	1,156,743	872	252,613	643	38,199
Primitive Baptists.....	1,037	1,730,348	776	166,847	5	181
All other (13 bodies).....	2,221	4,647,404	2,569	926,606	1,005	96,075
Brothren, German Baptist (Dunkers) (5 bodies).....	1,206	11,110,013	1,182	2,298,622	1,067	133,483
Christian Church (General Convention).....	976	7,202,193	1,004	1,353,379	938	65,478
Church of Christ Scientist.....	1,185	69,416,744	1,859	14,202,116	1,655	140,566
Church of God (Anderson, Ind.).....	697	3,541,102	816	1,114,121	818	61,408
Church of the Nazarene.....	1,113	7,323,718	1,340	3,124,444	1,233	109,237
Churches of Christ.....	5,069	10,400,538	5,974	3,961,310	4,404	274,671
Congregational Churches.....	4,795	164,212,562	4,810	25,820,342	4,601	596,881
Disciples of Christ.....	6,897	114,850,211	7,250	22,967,484	6,680	1,000,416
Eastern Orthodox Churches.....	397	11,789,108	423	2,044,415	196	14,196
Greek Orthodox Church.....	131	5,011,718	145	958,809	72	5,796
Russian Orthodox Church.....	187	4,883,515	195	838,453	90	5,770
All other (5 bodies).....	79	1,893,875	83	247,153	34	2,629
Evangelical Church.....	1,989	25,380,761	2,036	5,951,009	2,000	280,195
Evangelical Synod of North America.....	1,253	35,789,581	1,274	8,002,900	1,146	171,402
Friends (4 bodies).....	819	10,217,657	854	1,687,785	727	67,899
Independent Churches.....	187	4,130,440	227	857,138	214	25,835
Jewish Congregations.....	1,131	100,890,669	1,235	16,426,235	554	69,430
Latter Day Saints (2 bodies).....	1,415	18,983,315	1,769	3,095,895	1,726	209,593
Lutheran bodies.....	13,400	273,409,748	14,721	69,500,845	11,472	1,249,996
United Lutheran Church in America.....	3,516	114,520,248	3,577	21,162,961	3,415	619,781
Augustana Synod.....	1,118	22,781,698	1,165	5,369,446	1,036	100,775
Synodical Conference of America.....	3,878	78,755,894	4,601	19,487,432	3,028	212,071
Norwegian Lutheran Church of America.....	2,278	24,822,215	2,497	5,786,977	1,660	131,147
Joint Synod of Ohio and other States.....	832	15,648,708	865	3,702,259	769	88,823
Synod of Iowa and other States.....	799	8,657,486	867	2,223,888	778	50,878
All other (12 bodies).....	979	8,219,499	1,149	1,767,882	789	46,524
Mennonites (17 bodies).....	680	4,453,613	731	1,270,067	631	87,897
Methodist bodies.....	56,493	454,736,975	59,483	152,151,978	54,804	6,567,654
Methodist Episcopal Church.....	25,290	405,165,659	25,790	89,422,307	24,730	3,796,561
Methodist Protestant Church.....	2,094	16,817,378	2,160	3,337,211	1,917	173,438
Methodist Episcopal, South.....	16,443	161,986,430	17,708	41,651,159	16,524	1,802,464
African Methodist Episcopal.....	5,829	32,692,549	6,492	7,600,161	5,894	288,247
African Methodist Episcopal Zion.....	2,370	18,515,723	2,464	4,757,066	2,429	267,141
Colored Methodist Episcopal.....	2,341	9,211,437	2,477	2,428,234	2,351	103,523
All other (18 bodies).....	2,126	9,947,899	2,302	3,155,649	1,968	136,280
Presbyterian bodies.....	13,653	443,572,158	14,259	87,535,390	13,222	2,001,928
Presbyterian Church in the U. S. A.....	8,438	338,152,743	8,659	63,230,663	8,237	1,407,296
Cumberland Presbyterian Church.....	986	3,321,287	961	759,021	765	48,052
United Presbyterian Church.....	879	29,714,845	890	6,642,820	871	148,658
Presbyterian Church in the U. S. S.....	3,148	67,798,658	3,330	15,612,028	2,969	367,795
All other (5 bodies).....	402	4,594,625	422	1,290,858	390	30,125
Protestant Episcopal Church.....	6,632	314,506,738	6,817	44,790,130	5,607	479,430
Reformed bodies.....	2,618	88,457,147	2,659	14,810,436	2,489	465,725
Reformed Church in America.....	890	38,438,822	714	5,524,673	689	124,306
Reformed Church in the U. S. S.....	1,680	44,662,875	1,692	7,448,446	1,614	315,343
All other (2 bodies).....	248	5,357,450	253	1,797,317	186	26,074
Roman Catholic Church.....	16,254	837,271,063	16,317	204,526,487	8,239	1,201,330
Salvation Army.....	852	17,738,506	1,044	6,091,317	1,015	91,566
Spiritualists.....	94	1,384,156	509	531,508	92	5,562
Unitarians.....	337	27,713,554	344	3,418,975	317	19,722
United Brethren (3 bodies).....	3,224	29,679,679	3,289	7,321,078	3,089	400,749
Universalist Church.....	470	15,826,940	470	1,616,624	350	24,738

Source: Bureau of the Census, Department of Commerce.

## 2.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS

[Data in this section relate to continental United States. See also general note, p. 64]

### No. 51.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS: BY STATES

Division and State	Number enumerated (Jan. 1)							Ratio per 100,000 of population			
	Deaf-mutes, 1920	Blind, 1920	Pa-tients in hos-pitals for mental disease, 1923	Feeble-minded in institutions, 1923	Pris-oners, <sup>1</sup> 1923	Juve-nile delin-quents, <sup>2</sup> 1923	Pau-pers in alms-houses, 1923	Deaf-mutes	Blind	Pa-tients in hos-pitals for mental disease, 1923	Pris-oners
<b>United States</b> .....	<b>44,885</b>	<b>52,567</b>	<b>267,617</b>	<b>42,954</b>	<b>109,619</b>	<b>27,238</b>	<b>78,090</b>	<b>42.5</b>	<b>49.7</b>	<b>245.0</b>	<b>99.7</b>
<b>New England</b> .....	<b>3,093</b>	<b>4,699</b>	<b>26,876</b>	<b>5,009</b>	<b>5,948</b>	<b>2,603</b>	<b>9,529</b>	<b>41.8</b>	<b>63.5</b>	<b>352.7</b>	<b>77.6</b>
Maine.....	414	583	1,864	467	511	288	745	53.9	75.9	240.6	65.9
New Hampshire.....	149	382	1,399	393	244	167	870	33.6	86.2	313.5	54.6
Vermont.....	143	195	1,277	179	357	207	234	40.6	55.3	362.3	101.3
Massachusetts.....	1,592	2,589	15,869	3,034	3,134	1,229	5,629	41.3	67.2	399.0	78.3
Rhode Island.....	197	231	1,630	377	547	196	889	32.6	38.2	262.8	87.7
Connecticut.....	598	719	4,837	559	1,155	516	1,162	43.3	52.1	333.8	79.0
<b>Middle Atlantic</b> .....	<b>8,361</b>	<b>9,374</b>	<b>70,535</b>	<b>13,393</b>	<b>20,706</b>	<b>6,613</b>	<b>18,564</b>	<b>37.6</b>	<b>42.1</b>	<b>306.4</b>	<b>89.4</b>
New York.....	4,022	4,205	40,986	7,278	10,635	3,202	8,740	38.7	40.5	382.6	98.7
New Jersey.....	940	1,075	8,864	1,633	2,594	887	1,764	29.8	34.1	267.4	77.5
Pennsylvania.....	3,399	4,094	20,685	4,482	7,477	2,524	8,060	39.0	46.9	230.0	82.7
<b>East North Central</b> .....	<b>10,770</b>	<b>12,234</b>	<b>56,881</b>	<b>10,323</b>	<b>21,059</b>	<b>4,987</b>	<b>21,406</b>	<b>50.2</b>	<b>57.0</b>	<b>255.0</b>	<b>93.7</b>
Ohio.....	2,763	3,873	13,163	2,510	5,638	1,604	6,872	48.0	67.2	218.8	92.9
Indiana.....	1,576	2,223	6,595	1,565	2,911	832	3,128	53.8	75.9	220.6	97.0
Illinois.....	2,941	3,246	19,061	2,458	6,166	1,200	6,415	45.3	50.1	284.4	91.4
Michigan.....	1,802	1,579	8,971	2,132	4,722	750	3,262	49.1	43.0	230.7	120.0
Wisconsin.....	1,688	1,313	9,091	1,658	1,622	601	1,728	64.1	49.9	335.6	59.5
<b>West North Central</b> .....	<b>5,812</b>	<b>6,111</b>	<b>31,355</b>	<b>6,547</b>	<b>10,264</b>	<b>3,228</b>	<b>7,296</b>	<b>46.3</b>	<b>48.7</b>	<b>245.4</b>	<b>80.0</b>
Minnesota.....	1,044	870	6,691	1,892	2,211	738	1,032	43.7	36.4	271.2	89.0
Iowa.....	1,066	1,159	6,902	1,596	1,946	555	1,711	44.3	48.2	281.7	79.1
Missouri.....	1,703	2,226	8,806	779	2,726	904	2,712	50.0	65.4	256.5	79.3
North Dakota.....	247	145	1,269	338	338	160	120	38.2	22.4	190.9	50.6
South Dakota.....	283	211	1,297	424	377	94	171	44.5	33.1	199.5	57.7
Nebraska.....	553	405	2,988	751	932	336	573	42.7	31.2	225.8	70.2
Kansas.....	916	1,095	3,402	767	1,734	441	979	51.8	61.9	190.1	96.7
<b>South Atlantic</b> .....	<b>5,946</b>	<b>6,694</b>	<b>28,637</b>	<b>2,444</b>	<b>17,301</b>	<b>4,241</b>	<b>6,875</b>	<b>42.5</b>	<b>47.8</b>	<b>198.1</b>	<b>118.9</b>
Delaware.....	46	139	518	50	318	153	277	20.6	62.3	226.9	138.6
Maryland.....	657	763	4,719	773	1,866	912	1,368	45.3	52.6	316.8	124.6
Dist. of Col.....	351	358	3,931	-----	473	380	313	80.2	81.8	898.4	100.5
Virginia.....	1,042	1,161	5,129	644	2,466	542	1,211	45.1	50.3	216.1	103.4
West Virginia.....	632	647	2,134	359	1,972	481	702	43.2	44.2	139.8	128.2
North Carolina.....	1,189	1,230	3,692	308	1,738	544	1,474	46.5	48.1	139.3	65.1
South Carolina.....	539	597	2,414	123	1,255	477	451	32.0	35.5	139.8	72.3
Georgia.....	1,094	1,336	4,150	47	5,622	403	872	37.8	46.1	139.7	188.4
Florida.....	396	463	1,950	140	1,591	349	207	40.9	47.8	190.4	153.7
<b>East South Central</b> .....	<b>3,745</b>	<b>4,935</b>	<b>13,450</b>	<b>621</b>	<b>9,849</b>	<b>1,465</b>	<b>4,097</b>	<b>42.1</b>	<b>55.5</b>	<b>149.1</b>	<b>108.9</b>
Kentucky.....	1,255	1,640	4,708	531	2,484	618	1,457	51.9	67.9	192.2	101.1
Tennessee.....	1,103	1,429	3,407	15	1,986	272	1,477	47.2	61.1	143.3	83.3
Alabama.....	817	1,026	2,718	-----	3,571	575	768	34.8	43.7	113.1	148.0
Mississippi.....	570	840	2,617	75	1,808	( <sup>3</sup> )	395	31.8	46.9	146.2	101.0
<b>West South Central</b> .....	<b>3,208</b>	<b>4,258</b>	<b>14,936</b>	<b>739</b>	<b>9,344</b>	<b>1,570</b>	<b>2,075</b>	<b>38.1</b>	<b>41.6</b>	<b>140.7</b>	<b>87.4</b>
Arkansas.....	740	919	2,121	7	1,555	205	578	42.2	52.4	118.0	86.0
Louisiana.....	866	725	3,322	170	1,940	134	174	48.2	40.3	181.0	105.3
Oklahoma.....	624	860	2,895	330	1,957	293	250	30.8	42.4	136.3	91.3
Texas.....	1,672	1,754	6,598	232	3,892	938	1,073	35.9	37.6	135.7	79.4
<b>Mountain</b> .....	<b>1,211</b>	<b>1,906</b>	<b>6,471</b>	<b>731</b>	<b>3,441</b>	<b>1,144</b>	<b>1,778</b>	<b>36.3</b>	<b>57.1</b>	<b>184.0</b>	<b>96.8</b>
Montana.....	150	180	1,438	91	405	182	324	27.3	32.8	242.3	67.2
Idaho.....	124	131	609	253	337	271	193	28.7	30.3	132.6	72.5
Wyoming.....	36	30	426	128	358	59	62	18.5	15.4	205.9	171.0
Colorado.....	364	706	2,147	259	1,184	483	667	38.7	75.1	220.0	120.4
New Mexico.....	190	552	392	-----	262	42	( <sup>4</sup> )	52.7	153.2	106.3	70.7
Arizona.....	92	101	554	-----	422	92	206	27.5	30.2	150.7	112.8
Utah.....	236	165	700	-----	264	( <sup>3</sup> )	188	52.5	36.7	149.3	55.8
Nevada.....	19	41	205	-----	209	15	138	24.5	53.0	264.8	270.0
<b>Pacific</b> .....	<b>2,045</b>	<b>2,356</b>	<b>18,476</b>	<b>3,147</b>	<b>7,043</b>	<b>1,387</b>	<b>6,469</b>	<b>36.7</b>	<b>42.3</b>	<b>312.1</b>	<b>117.5</b>
Washington.....	566	498	3,815	803	1,358	334	769	41.7	36.7	270.2	95.4
Oregon.....	344	354	2,666	675	577	193	580	43.9	45.2	328.4	70.6
California.....	1,135	1,504	11,995	1,669	5,108	860	5,120	33.1	43.9	324.4	136.2

<sup>1</sup> Figures include 544 inmates of State prisons, for whom no schedules were received, not included in Tables 70, 73, and 74. Total also includes 4,664 prisoners in Federal prisons.

<sup>2</sup> In special institutions.

<sup>3</sup> Not reported.

<sup>4</sup> No almshouses maintained.

Source: Bureau of the Census, Department of Commerce.

## DEAF-MUTE POPULATION

**GENERAL NOTE.**—The figures contained in this section can not be taken as an absolute index of conditions. The provisions for the care of these classes are so divergent in different States, and in the same State at different times, that the enumeration of persons in certain institutions may be far from reflecting the true differences or changes in the relative number of such persons in the population at large. Moreover, the methods of enumeration have been changed from time to time. The difficulty of formulating an adequate definition, the large element of personal judgment of the enumerator, and reluctance on the part of individuals to admit defects, all affect the accuracy of the data.]

No. 52.—DEAF-MUTE POPULATION ENUMERATED

Division	Number on date of enumeration					Ratio per 100,000 population				
	1880 <sup>1</sup>	1890 <sup>1</sup>	1900 <sup>2</sup>	1910 <sup>3</sup>	1920 <sup>4</sup>	1880	1890	1900	1910	1920
United States.....	33,878	40,568	34,389	44,708	44,885	87.6	84.8	82.1	88.8	88.8
New England.....	2,581	3,388	1,279	2,373	3,093	64.4	72.1	22.9	36.2	41.8
Middle Atlantic.....	7,368	7,967	3,974	8,823	8,361	70.2	62.7	26.7	45.7	37.6
East North Central.....	8,512	9,837	5,034	9,810	10,770	76.0	73.0	35.2	53.8	50.2
West North Central.....	4,151	6,214	4,083	6,211	8,812	67.4	69.6	39.4	53.4	46.3
South Atlantic.....	4,975	5,597	3,673	6,260	5,946	68.5	63.2	35.2	51.3	42.5
East South Central.....	3,682	3,631	2,696	4,458	3,745	65.9	60.6	35.7	53.0	42.1
West South Central.....	1,784	2,478	2,100	4,298	3,902	53.5	52.3	32.1	48.9	38.1
Mountain.....	317	508	370	1,027	1,211	48.5	41.8	22.1	39.0	36.3
Pacific.....	508	771	582	1,448	2,045	45.6	40.8	23.8	34.5	26.7

<sup>1</sup> Deaf-mutes, exclusive of those reported as 16 years of age or over when hearing was lost.

<sup>2</sup> Deaf persons unable to speak at all.

<sup>3</sup> Deaf persons unable to speak at all, for whom special schedules were returned.

<sup>4</sup> Persons reported as deaf and dumb by the population enumerators.

<sup>5</sup> Deaf-mutes reported by census enumerators and by schools, institutions, and organizations for the deaf.

No. 53.—DEAF-MUTES BY SEX, RACE, AND NATIVITY, 1920

Division	Total number enumerated	Number for whom special schedules were returned					
		Total	Male	Female	White		Colored
					Native	Foreign-born	
United States.....	44,885	35,098	19,168	15,930	30,905	2,692	1,500
New England.....	3,093	2,655	1,447	1,208	2,266	380	4
Middle Atlantic.....	8,361	6,953	3,825	3,127	6,070	789	93
East North Central.....	10,770	8,874	4,936	3,938	7,951	796	127
West North Central.....	8,812	4,638	2,546	2,092	4,221	331	86
South Atlantic.....	5,946	4,102	2,230	1,872	3,345	—	694
East South Central.....	3,745	2,605	1,365	1,240	2,283	15	307
West South Central.....	3,902	2,680	1,421	1,259	2,406	30	242
Mountain.....	1,211	924	519	405	843	62	19
Pacific.....	2,045	1,596	877	719	1,418	156	22

No. 54.—CAUSE OF DEAFNESS AND AGE AT WHICH HEARING WAS LOST: DEAF-MUTES FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Cause of deafness	Total	Deaf at birth	Age at which hearing was lost				Age not reported
			Less than 5 years	5 to 9 years	Childhood (age not reported)	10 years or over	
All causes.....	35,098	13,513	18,458	2,616	681	240	648
Congenital.....	13,513	13,513	—	—	—	—	—
Scarlet fever.....	3,346	—	2,457	790	40	33	26
Meningitis.....	2,237	—	2,457	715	11	36	18
Brain fever.....	1,814	—	1,068	215	9	8	14
Falls and blows.....	1,177	—	992	142	12	12	19
Measles.....	1,083	—	919	141	11	5	7
Typhoid fever.....	642	—	456	167	5	11	3
Whooping cough.....	636	—	571	46	16	2	1
Diseases of the ear.....	464	—	417	31	11	2	3
Abscesses in the head.....	446	—	403	28	4	2	11
All other and unknown.....	9,168	—	6,718	1,243	502	139	556

Source: Bureau of the Census, Department of Commerce.

**No. 55.—EDUCATION, ABILITY TO READ LIPS, AND MEANS OF COMMUNICATION OF DEAF-MUTES FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920**

Class	United States	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
<b>Deaf-mutes, 5 years of age and over.....</b>	<b>34,726</b>	<b>2,637</b>	<b>6,896</b>	<b>8,800</b>	<b>4,598</b>	<b>4,065</b>	<b>2,571</b>	<b>2,656</b>	<b>919</b>	<b>1,564</b>
Having attended school, total.....	30,565	2,385	6,259	7,924	4,178	3,263	2,070	2,197	794	1,495
School for the deaf.....	20,867	2,327	6,164	7,730	4,066	3,179	2,010	2,147	773	1,471
School other than for the deaf.....	698	58	95	194	112	84	60	50	21	24
Not having attended school, total.....	3,917	224	589	823	402	775	472	441	117	74
Reporting instruction at home.....	163	11	28	33	7	26	23	25	5	5
Reporting no instruction.....	3,754	213	561	790	395	749	449	416	112	69
Not reporting as to education.....	244	28	48	53	18	27	29	18	8	15
<b>Deaf-mutes, 10 years of age and over.....</b>	<b>31,230</b>	<b>2,349</b>	<b>6,132</b>	<b>7,996</b>	<b>4,245</b>	<b>3,665</b>	<b>2,276</b>	<b>2,405</b>	<b>831</b>	<b>1,411</b>
Able to read lips.....	16,901	1,684	3,829	4,035	2,006	1,922	1,094	1,069	498	764
Not able to read lips.....	12,521	585	2,023	3,464	1,923	1,443	952	1,267	290	584
Not reporting as to ability to read lips.....	1,808	80	280	427	316	300	230	79	33	63
<b>Means of communication:</b>										
Speech and other means.....	12,286	1,360	3,006	2,963	1,422	1,252	599	693	373	618
Not speech but other means.....	17,434	915	2,894	4,632	2,657	2,032	1,519	1,600	416	769
None.....	606	31	95	132	87	105	66	56	15	19
Not reported.....	1,510	74	232	331	166	381	158	112	32	24

**No. 56.—OCCUPATIONS OF DEAF-MUTES FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920**

Occupation	Total	Male				Female			
		All classes	White		Colored	All classes	White		Colored
			Native	Foreign born			Native	Foreign born	
<b>Number, 10 years of age and over..</b>	<b>31,230</b>	<b>17,176</b>	<b>14,958</b>	<b>1,456</b>	<b>762</b>	<b>14,064</b>	<b>12,270</b>	<b>1,100</b>	<b>684</b>
Not gainfully employed.....	18,552	6,980	6,212	427	341	11,572	10,265	830	477
Receiving State or county aid.....	836	471	404	43	24	365	320	25	20
Gainfully employed.....	12,678	10,196	8,746	1,029	421	2,482	2,005	270	207
<b>Occupation of those gainfully employed:</b>									
Agriculture, forestry, etc.....	3,016	2,664	2,315	151	198	352	255	26	71
Farmers.....	2,183	1,958	1,732	113	113	225	176	18	31
Laborers.....	762	649	535	37	77	113	65	8	40
Extraction of minerals.....	64	64	56	7	1	—	—	—	—
Manufacturing, etc.....	7,269	6,180	5,284	757	139	1,089	921	141	27
Carpenters and cabinetmakers.....	438	438	374	58	6	—	—	—	—
Compositors.....	521	507	454	52	1	14	13	—	1
Dressmakers and seamstresses.....	293	—	—	—	—	293	248	34	11
Laborers, building.....	782	755	612	88	55	27	19	2	6
Transportation and communication.....	143	139	116	12	11	4	4	—	—
Trade.....	241	203	176	19	8	38	32	6	—
Public service.....	45	41	36	4	1	4	4	—	—
Professional service.....	290	222	204	15	3	68	63	5	—
Domestic and personal service.....	1,072	347	265	36	46	725	552	73	100
Clerical occupations.....	235	182	165	16	1	53	51	2	—
Unclassified.....	303	154	129	12	13	149	123	17	9

Source: Bureau of the Census, Department of Commerce.

No. 57.—BLIND POPULATION ENUMERATED

Division	Number on date of enumeration					Ratio per 100,000 population				
	1880	1890	1900	1910	1920	1880	1890	1900	1910	1920
United States.....	49,928	50,548	64,763	57,272	52,567	97.6	80.8	85.8	62.3	49.7
New England.....	4,341	4,367	4,846	4,090	4,699	108.2	92.9	86.7	62.4	63.5
Middle Atlantic.....	9,726	9,154	10,931	10,001	9,374	92.1	72.1	70.7	51.8	42.1
East North Central.....	10,177	11,229	14,666	11,731	12,234	90.8	83.4	91.7	64.3	57.0
West North Central.....	5,047	6,319	8,714	6,079	6,111	82.0	71.1	84.2	57.4	48.7
South Atlantic.....	8,394	7,867	9,159	8,279	6,694	110.5	88.8	87.7	67.9	47.8
East South Central.....	6,612	6,190	8,221	7,019	4,935	118.4	96.3	108.9	83.5	55.5
West South Central.....	3,192	3,840	5,264	5,621	4,258	95.7	80.1	80.6	64.0	41.8
Mountain.....	651	762	1,307	1,787	1,906	101.2	65.9	78.0	67.9	57.1
Pacific.....	778	1,040	1,656	2,066	2,356	69.8	55.6	68.5	49.3	42.3

No. 58.—TOTAL BLIND ENUMERATED AND SEX, RACE, AND NATIVITY OF THOSE FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Division	Total number enumerated	Number for whom special schedules were returned					
		Total	Male	Female	White		Colored
					Native	Foreign born	
United States.....	52,667	40,913	22,977	18,936	30,313	6,387	4,973
New England.....	4,699	4,184	2,311	1,873	3,004	1,104	76
Middle Atlantic.....	9,374	7,907	4,430	3,377	5,824	1,886	297
East North Central.....	12,234	10,253	5,924	4,329	8,012	1,785	458
West North Central.....	6,111	4,831	2,905	1,926	3,786	828	267
South Atlantic.....	6,694	4,594	2,778	1,816	3,000	122	1,472
East South Central.....	4,935	3,371	2,062	1,309	2,427	49	895
West South Central.....	4,258	2,716	1,611	1,105	1,990	115	611
Mountain.....	1,906	1,400	887	513	1,037	229	104
Pacific.....	2,356	1,707	1,069	638	1,203	404	95

No. 59.—CAUSE OF BLINDNESS AND AGE AT WHICH VISION WAS LOST: BLIND PERSONS FOR WHOM SPECIAL SCHEDULES WERE RETURNED, 1920

Cause of blindness	Total	Blind at birth	Age at which vision was lost						
			Less than 5 years	5 to 9 years	10 to 19 years	20 to 44 years	45 to 64 years	65 years or over	Age not reported
All causes.....	40,913	3,978	4,368	2,478	2,269	8,445	8,713	7,863	1,886
Congenital.....	2,635	2,635							
Ophthalmia neonatorum.....	1,198	228	825	10	11	3			121
Meningitis.....	526	1	203	151	97	46	9	2	17
Scarlet fever.....	416	1	159	111	66	49	13	6	11
Measles.....	797	2	197	134	136	171	83	47	27
Trachoma.....	555	3	37	43	90	164	130	53	36
Atrophy of the nerve.....	1,756	112	79	80	120	577	514	227	47
Accidental injury.....	5,913	25	340	655	923	2,181	1,156	482	151
Disease of the retina.....	497	13	25	13	38	134	159	97	16
Glaucoma.....	1,932	14	27	11	54	259	896	621	48
Cataract.....	4,896	400	181	100	147	449	1,169	2,274	176
All other and unknown.....	19,792	544	2,289	1,170	1,577	4,412	4,582	4,044	1,174

Source. Bureau of the Census, Department of Commerce.

**No. 60.—EDUCATION AND ABILITY TO READ RAISED TYPE, OF BLIND  
5 YEARS OF AGE AND OVER, FOR WHOM SPECIAL SCHEDULES WERE  
RETURNED, 1920**

Class	Age on date of enumeration								Not reported
	Total, 5 years and over	5 to 9 years	10 to 14 years	15 to 19 years	20 to 24 years	25 to 44 years	45 to 64 years or over		
All classes.....	40,693	1,057	2,044	2,074	1,677	7,119	10,913	15,384	425
Having attended school, total	20,432	654	1,767	1,838	1,433	4,920	5,230	4,390	200
School for the blind.....	12,647	630	1,688	1,739	1,296	3,699	2,619	838	138
School other than for the blind.....	7,785	24	79	99	137	1,221	2,611	3,552	62
Not having attended school, total.....	19,854	356	248	226	232	2,171	5,622	10,802	197
Reporting instruction at home.....	1,249	12	22	16	23	237	503	431	5
Reporting no instruction.....	18,605	344	226	210	209	1,934	5,119	10,371	192
Not reporting as to education.....	407	47	29	10	12	28	61	192	28
Reading raised type.....	11,934	460	1,421	1,503	1,152	3,513	2,660	1,121	104
Not reading raised type.....	27,804	488	481	420	449	3,536	8,148	13,999	283
Not reporting as to ability to read raised type.....	955	109	142	151	76	70	106	264	38

Source: Bureau of the Census, Department of Commerce.

**No. 61.—OCCUPATIONS OF BLIND PERSONS FOR WHOM SPECIAL  
SCHEDULES WERE RETURNED, 1920**

Occupation	Total	Male				Female			
		All classes	White		Col- ored	All classes	White		Col- ored
			Native	For- eign born			Native	For- eign born	
Number 10 years of age and over....	39,636	23,251	16,782	3,873	2,596	16,385	12,355	2,443	1,587
Not gainfully employed.....	32,459	17,344	12,292	3,066	1,986	15,115	11,310	2,321	1,484
Receiving State or county aid....	7,741	4,916	3,588	804	524	2,825	2,210	383	232
Gainfully employed.....	7,177	5,907	4,490	807	610	1,270	1,045	122	103
Occupation of those gainfully em- ployed:									
Agriculture, etc.....	948	864	691	103	70	84	68	8	8
Farmers.....	714	660	518	86	56	54	41	8	5
Extraction of minerals.....	12	12	9	1	2				
Manufacturing, etc.....	3,090	2,470	1,850	384	236	620	519	64	37
Broom makers.....	837	825	629	148	48	12	9	3	
Piano tuners.....	449	447	418	29		2	2		
Chair caners.....	476	381	242	68	71	95	75	7	13
Seamstresses and fancy workers.....	259					259	225	21	13
Transportation and communica- tion.....	110	92	82	5	5	18	17	1	
Trade.....	1,264	1,230	951	184	95	34	27	3	4
Hucksters and peddlers.....	320	311	228	57	26	9	8		1
Public service.....	34	28	23	4	1	6	6		
Professional service.....	1,005	751	564	74	113	254	215	25	14
Musicians and teachers.....	506	387	302	37	48	119	102	7	10
Domestic and personal service....	393	225	130	29	66	168	112	17	39
Clerical occupations.....	281	207	173	18	16	74	70	3	1
Unclassified.....	40	28	17	5	6	12	11	1	

Source: Bureau of the Census, Department of Commerce.



## No. 62.—PATIENTS IN HOSPITALS FOR MENTAL DISEASE

Division	Number on date of enumeration <sup>1</sup>					Ratio per 100,000 of population				
	1880 <sup>2</sup>	1890 <sup>2</sup>	1904	1910	1923	1880	1890	1904	1910	1923
United States.....	40,942	74,099	150,151	187,791	267,417	81.6	118.9	183.6	204.2	245.0
New England.....	5,294	7,693	14,855	19,580	26,876	132.0	163.7	250.7	298.8	352.7
Middle Atlantic.....	12,710	21,435	42,582	52,380	70,535	121.4	168.8	252.5	271.2	306.4
East North Central.....	8,968	15,674	33,039	41,246	56,881	80.0	116.3	190.6	226.0	255.0
West North Central.....	3,493	8,641	18,595	22,683	31,355	56.7	97.2	171.9	194.9	245.4
South Atlantic.....	4,660	9,007	16,514	19,952	28,637	61.3	101.7	149.1	163.6	196.1
East South Central.....	2,549	4,493	7,867	9,759	13,450	45.6	69.9	100.1	116.0	149.1
West South Central.....	800	2,043	6,010	8,413	14,636	24.0	45.0	81.8	95.8	140.7
Mountain.....	107	858	2,529	3,574	6,471	16.4	74.2	125.0	135.7	184.0
Pacific.....	2,363	4,184	8,180	10,204	18,476	212.0	223.6	257.2	243.4	312.1

<sup>1</sup>June 1, 1880 and 1890; Jan. 1, 1904, 1910, and 1923.<sup>2</sup>Total number of insane enumerated, including those not in hospitals in 1880 and 1890, was 91,950 and 106,485, respectively.<sup>3</sup>Includes patients of 1 State and 11 private hospitals for whom individual schedules were not received.

## No. 63.—AGE DISTRIBUTION OF PATIENTS IN HOSPITALS FOR MENTAL DISEASE

Age group	Number enumerated				Per cent distribution			
	1890	1904	1910	1923	1890	1904	1910	1923
All ages.....	74,099	150,151	187,791	267,417	100.0	100.0	100.0	100.0
Under 15 years.....	51	112	341	634	0.1	0.1	0.2	0.2
15 to 24 years.....	4,621	8,625	10,113	14,110	6.2	5.7	5.4	5.3
25 to 44 years.....	36,346	66,719	79,351	109,757	49.1	44.4	42.1	41.3
45 to 59 years.....	21,727	45,855	60,142	82,240	29.3	30.5	32.0	30.9
60 to 74 years.....	8,402	21,111	28,537	45,429	11.3	14.1	15.2	17.1
75 years and over.....	1,351	4,217	6,073	9,759	1.8	2.8	3.2	3.7
Age unknown.....	1,530	3,512	3,234	3,900	2.1	2.3	1.7	1.5

## No. 64.—PSYCHOSIS OF PATIENTS ADMITTED TO HOSPITALS FOR MENTAL DISEASE DURING 1922

Psychosis	All classes				White			
	Num-ber	Per-cent distribution	Male	Female	Native	For- eign- born	Nativ- ity un- known	Col- ored
All clinical groups.....	71,676	100.0	41,714	29,962	45,624	15,411	4,964	6,179
Senile.....	6,845	9.5	3,563	3,282	3,952	1,883	518	492
With cerebral arteriosclerosis.....	3,438	4.8	2,233	1,205	2,028	965	225	200
General paresis.....	6,294	8.8	5,076	1,218	3,720	1,427	438	709
With cerebral syphilis.....	893	1.2	637	256	467	127	50	240
Alcoholic.....	2,693	3.8	2,427	266	1,464	861	235	113
Mannic-depressive.....	11,393	15.9	4,880	6,513	7,276	2,374	610	1,133
Involution melancholia.....	1,603	2.5	560	1,043	1,252	420	95	36
Dementia praecox (schizophrenia).....	15,526	21.7	8,950	6,576	9,875	3,651	609	1,391
Paranoic or paranoid conditions.....	1,881	2.6	873	1,008	1,213	485	85	96
Epileptic.....	1,813	2.5	1,121	692	1,279	208	74	255
Psychoneuroses and neuroses.....	2,777	3.9	1,658	1,119	2,145	457	119	56
With psychopathic personality.....	914	1.3	585	329	688	152	23	51
With mental deficiency.....	1,899	2.6	1,076	823	1,436	210	76	174
All other and unknown.....	13,507	18.8	8,675	5,432	9,027	2,154	1,069	1,227

Source: Bureau of the Census, Department of Commerce.

## No. 65.—STATE HOSPITALS FOR MENTAL DISEASE

Division and State	Number of institutions in operation, 1926	First admissions during the year				Patients present in hospitals on Jan. 1 -					
		1922	1926	Number per 100,000 of population <sup>1</sup>		1922	1923	1926	1927	Number per 100,000 of population <sup>1</sup>	
				1922	1926					1922	1927
United States <sup>2</sup>	185	80,467	82,561	46.2	48.3	221,406	229,664	242,400	259,880	111.1	219.
<b>New England:</b>											
Maine	2	339	371	43.7	47.0	1,798	1,838	1,868	1,903	236.2	240.6
New Hampshire	1	306	375	68.5	82.6	1,417	1,599	1,519	1,560	312.3	343.6
Vermont	1	164	160	46.5	45.4	757	764	829	835	222.5	236.9
Massachusetts	12	2,940	2,887	73.7	68.8	15,164	15,285	16,495	16,446	369.4	359.2
Rhode Island	1	346	391	54.1	56.4	1,438	1,485	1,673	1,735	229.5	248.2
Connecticut	2	918	950	62.8	59.2	4,201	4,376	4,654	4,829	295.7	297.9
<b>Middle Atlantic:</b>											
New York	16	7,218	7,711	67.2	68.2	38,178	39,510	42,361	43,538	365.2	371.1
New Jersey	2	1,317	1,268	39.4	35.0	4,861	5,090	5,562	5,850	160.3	157.5
Pennsylvania	9	1,706	2,092	18.9	21.8	10,266	10,545	12,062	12,138	115.7	125.5
<b>East North Central:</b>											
Ohio	8	2,708	3,215	44.7	48.7	12,443	12,811	13,401	13,844	209.1	208.0
Indiana	6	955	1,243	31.8	39.5	5,627	5,790	6,252	6,441	191.7	205.3
Illinois	10	5,053	4,353	74.9	60.4	18,214	18,764	20,537	20,690	275.9	265.4
Michigan	6	1,236	1,313	31.5	29.9	7,259	7,392	7,809	7,765	185.4	174.8
Wisconsin	4	961	1,069	36.4	37.1	1,049	1,297	1,715	1,778	47.3	61.3
<b>West North Central:</b>											
Minnesota	6	1,295	1,309	52.2	49.4	6,498	6,632	7,055	7,259	265.0	272.0
Iowa	5	939	920	38.9	38.0	4,833	5,002	5,219	5,347	207.2	220.6
Missouri	4	1,139	1,182	33.1	33.8	4,970	5,242	5,681	5,753	152.2	164.2
North Dakota	1	242	236	37.6	36.8	1,245	1,269	1,337	1,400	197.0	218.2
South Dakota	1	168	201	25.5	29.2	1,180	1,207	1,300	1,317	182.3	190.0
Nebraska	3	571	574	43.0	41.4	2,845	2,926	3,255	3,258	219.2	234.4
Kansas	4	632	677	35.3	37.2	3,168	3,295	3,592	3,697	183.6	202.7
<b>South Atlantic:</b>											
Delaware	1	96	163	41.9	67.9	507	518	580	575	224.2	238.6
Maryland <sup>3</sup>	4	628	1,335	42.0	( <sup>4</sup> )	3,152	3,297	1,903	1,910	218.8	( <sup>4</sup> )
Dist. of Col.	1	688	641	188.9	121.4	3,761	3,931	4,100	4,121	824.1	771.7
Virginia	4	1,260	1,259	57.0	50.0	4,786	5,012	5,502	5,603	208.7	221.3
West Virginia	4	687	725	44.7	43.4	2,142	2,124	2,195	2,315	137.3	137.6
North Carolina	3	851	1,162	31.9	40.7	3,243	3,575	4,519	4,665	132.9	162.1
South Carolina	1	643	601	37.1	32.9	2,354	2,400	2,533	2,558	137.5	139.4
Georgia	1	652	953	21.9	30.4	3,898	3,972	4,640	4,848	132.3	153.7
Florida	1	668	1,024	61.9	77.8	1,784	1,950	2,363	2,584	170.9	192.5
<b>East South Central:</b>											
Kentucky	3	1,160	1,161	47.6	46.0	4,464	4,635	4,610	4,831	188.1	190.9
Tennessee	3	811	744	34.0	30.1	2,579	2,746	2,941	3,064	114.7	124.6
Alabama	2	627	897	26.0	35.5	2,941	2,718	3,159	3,228	112.0	127.2
Mississippi	2	922	1,008	51.5	56.3	2,510	2,537	2,727	2,854	141.7	156.4
<b>West South Central:</b>											
Arkansas <sup>4</sup>	1	731	( <sup>4</sup> )	40.5	( <sup>4</sup> )	2,001	1,990	( <sup>4</sup> )	( <sup>4</sup> )	109.4	( <sup>4</sup> )
Louisiana	2	547	592	29.7	30.8	2,892	3,022	3,312	3,458	163.3	179.5
Oklahoma	3	695	1,078	32.5	46.0	2,760	2,873	3,358	3,506	132.6	150.9
Texas	6	1,357	1,815	27.7	34.2	6,124	6,436	6,825	7,619	130.1	142.3
<b>Mountain:</b>											
Montana	1	317	311	52.7	44.7	1,451	1,438	1,383	1,460	234.6	207.1
Idaho <sup>5</sup>	2	144	138	31.0	( <sup>4</sup> )	589	609	1,290	1,279	129.3	( <sup>4</sup> )
Wyoming	1	61	52	29.2	22.0	291	309	358	380	145.1	159.7
Colorado	1	390	377	40.6	35.6	1,963	2,017	2,206	2,324	203.3	218.0
New Mexico <sup>4</sup>	1	92	( <sup>4</sup> )	24.9	( <sup>4</sup> )	372	392	( <sup>4</sup> )	( <sup>4</sup> )	105.1	( <sup>4</sup> )
Arizona	1	209	169	55.9	38.0	467	554	658	684	145.0	151.3
Utah	1	163	173	38.7	33.7	689	697	763	773	145.8	149.2
Nevada	1	42	64	54.3	82.7	215	305	211	221	264.8	285.5
<b>Pacific:</b>											
Washington	3	871	927	61.2	60.3	3,620	3,765	4,025	4,150	262.2	267.7
Oregon	2	709	686	86.8	78.2	2,316	2,406	1,700	1,877	291.6	212.3
California	6	2,891	3,121	77.2	72.3	11,055	11,507	12,397	13,047	301.5	296.2
Federal Hospital for Indiana	1	14	7			89	90	96	93		

<sup>1</sup> Based on estimated population.<sup>2</sup> Ratios of patients to general population represent for each year the total for States with complete returns for 1926 and 1927; they do not, therefore, include figures for Maryland, Arkansas, Idaho, and New Mexico.<sup>3</sup> Returns for State incomplete for 1926 and 1927, as one hospital failed to report.<sup>4</sup> No census report received for 1926 and 1927.

Source: Bureau of the Census, Department of Commerce.

**No. 66.—STATE INSTITUTIONS FOR THE FEEBLE-MINDED AND EPILEPTICS**

[NOTE.—There are no State institutions of this class in operation in Arkansas, New Mexico, Arizona, Utah, and Nevada]

Division and State	Number of institutions in operation, 1926	First admissions during the year				Patients present in institutions on Jan. 1—					
		1922	1926	Number per 100,000 of population <sup>1</sup>		1922	1923	1926	1927	Number per 100,000 of population <sup>1</sup>	
				1922	1926					1922	1927
<b>United States <sup>2</sup></b>	<b>73</b>	<b>7,467</b>	<b>8,121</b>	<b>6.9</b>	<b>7.1</b>	<b>43,579</b>	<b>46,580</b>	<b>54,499</b>	<b>57,321</b>	<b>42.1</b>	<b>49.6</b>
<b>New England:</b>											
Maine.....	1	104	71	13.4	9.0	377	467	640	669	60.0	84.6
New Hampshire.....	1	38	50	8.5	11.0	388	393	406	425	87.7	93.6
Vermont.....	1	55	22	15.6	6.2	126	179	236	234	50.8	66.4
Massachusetts.....	5	483	500	12.1	11.9	4,022	4,062	4,987	5,092	101.1	120.7
Rhode Island.....	1	36	72	5.6	10.4	371	377	388	426	58.3	60.9
Connecticut.....	1	39	80	2.7	5.0	540	555	584	634	37.5	39.1
<b>Middle Atlantic:</b>											
New York.....	7	1,424	1,092	13.3	9.7	6,611	7,239	8,433	8,682	66.9	76.4
New Jersey.....	4	277	300	8.3	8.2	1,668	1,777	2,261	2,397	52.5	64.5
Pennsylvania.....	3	310	348	3.4	3.6	3,319	3,372	3,455	3,542	37.0	36.6
<b>East North Central:</b>											
Ohio.....	3	520	957	8.6	14.5	4,034	4,229	4,906	5,335	69.0	80.2
Indiana.....	3	226	333	7.5	10.7	1,885	1,945	2,270	2,410	64.5	76.8
Illinois.....	2	423	743	6.3	10.3	2,360	2,625	3,654	3,931	38.6	54.2
Michigan.....	2	659	533	16.8	12.1	2,298	2,688	3,222	3,344	67.4	75.3
Wisconsin.....	2	236	203	8.7	7.0	1,171	1,227	1,375	1,491	44.7	51.4
<b>West North Central:</b>											
Minnesota.....	2	197	200	7.9	7.5	1,814	1,857	1,943	1,946	74.2	72.9
Iowa.....	2	239	243	9.9	10.0	1,910	1,964	2,184	2,283	81.4	94.2
Missouri.....	1	37	62	1.1	1.8	596	587	710	713	17.0	20.3
North Dakota.....	1	31	104	4.8	16.2	330	338	454	517	52.5	80.6
South Dakota.....	1	79	47	12.0	6.8	407	424	414	428	64.0	61.8
Nebraska.....	1	91	85	6.9	6.1	716	751	808	845	56.3	60.8
Kansas.....	2	151	186	8.4	10.2	1,269	1,300	1,356	1,390	72.4	76.2
<b>South Atlantic:</b>											
Delaware.....	1	24	11	10.5	4.6	26	50	95	104	21.6	43.2
Maryland <sup>3</sup> .....	2	68	5	4.5	—	749	755	10	12	50.1	—
Dist. of Col. ....	1	( <sup>4</sup> )	7	( <sup>4</sup> )	1.3	( <sup>4</sup> )	( <sup>4</sup> )	28	41	( <sup>4</sup> )	7.7
Virginia.....	1	75	115	3.1	4.6	507	533	750	772	22.2	30.5
West Virginia.....	1	119	153	7.7	9.2	479	547	664	748	35.2	44.4
North Carolina.....	2	207	150	7.8	5.2	294	501	753	837	18.6	29.1
South Carolina.....	1	23	39	1.3	2.1	105	123	322	334	7.0	18.2
Georgia.....	1	9	18	0.3	0.6	52	44	66	71	1.5	2.3
Florida.....	1	133	123	12.0	9.3	88	140	236	299	12.3	22.3
<b>East South Central:</b>											
Kentucky.....	1	22	29	.9	1.1	439	425	443	455	17.2	18.0
Tennessee.....	1	( <sup>4</sup> )	65	( <sup>4</sup> )	2.6	( <sup>4</sup> )	( <sup>4</sup> )	241	266	( <sup>4</sup> )	10.7
Alabama.....	1	( <sup>4</sup> )	34	( <sup>4</sup> )	1.3	( <sup>4</sup> )	( <sup>4</sup> )	277	287	( <sup>4</sup> )	11.3
Mississippi.....	1	13	14	.7	.8	63	72	117	125	4.0	7.0
<b>West South Central:</b>											
Louisiana.....	1	99	54	5.4	2.8	37	130	200	231	7.0	12.0
Oklahoma.....	1	54	72	2.5	3.1	303	330	439	501	15.2	21.2
Texas.....	2	178	257	3.6	4.8	761	837	901	964	16.9	13.0
<b>Mountain:</b>											
Montana.....	1	14	( <sup>5</sup> )	2.3	( <sup>5</sup> )	85	91	( <sup>5</sup> )	( <sup>5</sup> )	14.8	( <sup>5</sup> )
Idaho.....	1	58	22	12.5	4.2	223	253	283	285	53.7	54.0
Wyoming.....	1	36	17	17.2	7.2	123	125	157	168	58.7	70.6
Colorado.....	2	48	39	4.9	3.7	209	255	325	329	25.7	30.9
<b>Pacific:</b>											
Washington.....	1	165	140	11.6	9.1	711	803	834	900	55.9	58.1
Oregon.....	1	162	131	19.8	14.9	579	675	751	797	81.8	90.2
California.....	1	305	395	8.1	9.2	1,534	1,535	1,921	2,061	40.2	47.1

<sup>1</sup> Based on estimated population.

<sup>2</sup> Ratios of patients to general population represent, for each year, the total for the United States, exclusive of Maryland and Montana.

<sup>3</sup> Returns for State incomplete for 1926 and 1927, as one hospital failed to report.

<sup>4</sup> No State institutions in operation.

<sup>5</sup> No census report received for 1926 and 1927.

Source: Bureau of the Census, Department of Commerce.

**No. 67.—PAUPERS ENUMERATED IN ALMSHOUSES**

Division	Number on date of enumeration <sup>1</sup>					Ratio per 100,000 of population				
	1880	1890	1904	1910	1922	1880	1890	1904	1910	1922
United States.....	66,308	73,044	51,764	54,186	73,090	132.0	118.6	100.0	91.8	71.6
New England.....	9,835	9,500	11,405	11,886	9,529	245.2	202.1	193.5	181.4	125.1
Middle Atlantic.....	24,096	21,643	21,783	23,772	18,564	229.6	170.4	129.2	123.1	80.6
East North Central.....	16,474	20,379	21,127	21,358	21,405	147.0	150.5	125.7	117.0	96.0
West North Central.....	3,337	5,336	6,618	6,366	7,298	54.2	60.0	61.2	54.7	57.1
South Atlantic.....	6,975	8,100	8,298	7,706	6,875	91.8	91.4	74.9	63.2	47.6
East South Central.....	2,361	4,240	4,768	4,266	4,097	60.2	66.0	60.7	50.7	46.4
West South Central.....	315	809	1,689	1,630	2,075	9.4	17.8	23.0	18.6	19.5
Mountain.....	152	367	1,283	1,652	1,778	23.3	31.7	63.4	62.7	50.6
Pacific.....	1,656	2,770	4,703	5,562	6,469	148.6	148.0	153.6	132.7	109.8

<sup>1</sup> June 1, 1880 and 1890; Jan. 1, 1904, 1910, and 1922.

Source: Bureau of the Census, Department of Commerce.

**No. 68.—AGE DISTRIBUTION OF PAUPERS ENUMERATED IN ALMSHOUSES**

Age group	Number enumerated					Per cent distribution				
	1880	1890	1904	1910	1922	1880	1890	1904	1910	1922
All ages.....	66,308	73,044	51,764	54,186	73,090	100.0	100.0	100.0	100.0	100.0
Under 15 years.....	8,885	6,637	2,755	2,370	1,896	13.4	7.7	5.4	2.8	2.4
15 to 24 years.....	4,996	4,382	3,240	2,514	1,659	7.5	6.0	4.0	3.0	2.1
25 to 44 years.....	17,009	17,077	13,573	11,994	7,427	26.6	23.4	16.6	14.2	9.5
45 to 59 years.....	12,807	15,037	18,810	20,613	15,104	19.3	20.6	23.0	24.5	19.3
60 to 74 years.....	14,307	18,865	26,803	30,189	32,871	21.6	25.8	32.8	35.9	41.8
75 years and over.....	7,509	10,714	15,034	16,843	18,763	11.5	14.7	18.4	18.8	24.0
Age unknown.....		1,342	1,549	675	870		1.8	1.9	.8	1.1

Source: Bureau of the Census, Department of Commerce.

**No. 69.—PAUPERS ADMITTED TO ALMSHOUSES, AND DEPARTURES AND DEATHS, DURING 1922**

Division	Number admitted							Number de- parted	
	Total	Male	Female	White			Negro <sup>1</sup>	Dis- charges and trans- fers	Deaths
				Native	Foreign born	Nativ- ity un- known			
United States.....	63,807	46,670	17,137	37,788	17,988	1,747	5,949	44,096	16,779
New England.....	10,036	6,918	3,118	5,971	3,800	200	256	8,009	2,035
Middle Atlantic.....	14,250	10,466	3,784	8,294	4,850	382	693	11,094	3,287
East North Central.....	15,604	11,085	3,619	9,224	4,761	410	1,182	10,393	4,159
West North Central.....	4,137	3,161	976	2,759	974	184	213	2,535	1,072
South Atlantic.....	6,396	4,067	2,329	3,289	413	188	2,493	3,661	1,787
East South Central.....	2,128	1,318	810	1,403	■	29	663	1,119	776
West South Central.....	1,729	1,190	539	1,140	193	66	316	847	401
Mountain.....	2,375	1,743	632	1,529	666	99	37	1,557	541
Pacific.....	7,158	5,322	1,836	4,179	2,492	189	96	4,851	1,715

<sup>1</sup> Figures for other colored races amounting to 335 in all, insignificant except in Pacific division.

Source: Bureau of the Census, Department of Commerce.

**No. 70.—PRISONERS ENUMERATED IN ALL PENAL INSTITUTIONS JANUARY, 1, 1923, AND COMMITMENTS DURING THE YEAR, BY CLASSES**

[NOTE.—See Tables 75 and 76, for prisoners in prisons and reformatories, 1926 and earlier years]

Class	Num- ber present Jan. 1	Commitments dur- ing 1923		Age group	Num- ber present Jan. 1	Commitments dur- ing 1923	
		Num- ber <sup>1</sup>	Per 100,000 popula- tion of same class			Num- ber <sup>1</sup>	Per 100,000 popula- tion of same group
All classes.....	109, 075	357, 493	326. 1	Under 18 years.....	2, 230	7, 195	125. 5
Male.....	103, 883	328, 820	610. 1	18 to 20 years....	11, 739	31, 086	562. 9
Female.....	5, 192	28, 673	55. 3	21 to 24 years....	21, 459	52, 766	703. 9
White total.....	73, 549	266, 857	281. 4	25 to 34 years....	37, 336	100, 007	582. 9
Native.....	58, 238	194, 179	239. 4	35 to 44 years....	20, 537	80, 829	572. 4
Foreign born.....	15, 061	66, 990	488. 5	45 to 64 years....	13, 183	60, 838	357. 2
Nativity unknown.....	250	5, 688		65 years and over....	1, 284	4, 931	100. 0
Negro.....	34, 178	83, 399	797. 1	Age unknown.....	1, 277	19, 841	
Other and unknown.....	1, 348	7, 237	866. 9				

<sup>1</sup> Estimate based on reported commitments during first six months.<sup>2</sup> Figures for prisoners and population 18 years of age and over afford a more accurate basis of comparison between the native and the foreign born; on this basis ratios are 404.1 for native white and 517.5 for foreign-born white.**No. 71.—PRISONERS ENUMERATED, BY GEOGRAPHIC DIVISIONS**

Division	Number on date of enumeration <sup>1</sup>				Ratio per 100,000 of population			
	1880	1904	1910	1923	1880	1904	1910	1923
United States.....	49, 527	81, 772	99, 199	104, 067	98. 7	98. 0	107. 9	94. 9
New England.....	4, 770	8, 559	9, 698	5, 746	118. 9	143. 6	148. 0	73. 0
Middle Atlantic.....	18, 815	18, 790	22, 165	20, 150	131. 0	110. 2	114. 8	87. 0
East North Central.....	7, 799	12, 042	13, 476	19, 281	69. 3	71. 2	73. 8	85. 8
West North Central.....	3, 768	7, 828	8, 216	9, 823	61. 2	71. 9	70. 6	76. 6
South Atlantic.....	6, 895	10, 740	14, 915	15, 703	90. 8	96. 2	122. 3	108. 0
East South Central.....	5, 197	7, 524	10, 354	9, 648	93. 1	95. 2	123. 5	106. 7
West South Central.....	4, 192	7, 090	8, 419	8, 935	125. 7	95. 0	95. 8	83. 6
Mountain.....	743	2, 954	4, 171	3, 822	113. 8	142. 6	158. 4	93. 5
Pacific.....	2, 378	4, 564	5, 851	6, 795	213. 4	144. 8	139. 6	113. 4

<sup>1</sup> June 1, 1880; June 30, 1904; Jan. 1, 1910 and 1923. Includes only sentenced prisoners, exclusive of those imprisoned for nonpayment of fine.<sup>2</sup> Including prisoners in Federal prisons, as follows: 1,641 in 1904; 1,904 in 1910; and 4,664 in 1923.**No. 72.—PRISONERS AND JUVENILE DELINQUENTS ENUMERATED JANUARY 1, 1923, AND COMMITMENTS DURING THE YEAR**

Division	Number present Jan. 1			Commitments during 1923 <sup>1</sup>					
	Prisoners in—			Prisoners to—			10 to 17 years of age		
	Prisons and re- formato- ries <sup>2</sup>	Jails and work- houses	Ju- venile delin- quents in insti- tutions <sup>3</sup>	Prisons and re- formato- ries	Jails and work- houses	Ju- veniles to insti- tutions <sup>1</sup>	Under 10 years of age	Num- ber	Per 100,000 of same age
United States.....	51, 479	28, 140	29, 468	37, 585	219, 908	23, 909	344	25, 565	156. 3
New England.....	3, 527	2, 421	2, 718	1, 610	18, 919	2, 352	40	2, 312	229. 6
Middle Atlantic.....	12, 520	8, 180	7, 104	4, 747	76, 228	6, 000	168	5, 632	185. 7
East North Central.....	15, 751	5, 408	5, 434	7, 537	70, 351	5, 145	12	5, 133	168. 9
West North Central.....	8, 568	1, 698	3, 366	4, 024	26, 799	2, 227	23	2, 205	113. 5
South Atlantic.....	11, 382	5, 919	4, 751	4, 010	46, 748	4, 539	52	4, 487	184. 8
East South Central.....	8, 498	1, 351	1, 643	2, 951	15, 657	1, 464	12	1, 452	102. 6
West South Central.....	8, 379	865	1, 820	4, 730	20, 866	2, 003	8	2, 085	110. 8
Mountain.....	2, 933	508	1, 202	1, 681	11, 051	866	20	846	195. 9
Pacific.....	5, 253	1, 790	1, 424	2, 582	33, 279	1, 203	10	1, 193	173. 8

<sup>1</sup> See footnote 1, Table 70.<sup>2</sup> See footnote 1, Table 51.<sup>3</sup> Including those in special institutions and prisoners under 18 years of age in penal institutions not primarily for juvenile delinquents. See Table 70.<sup>4</sup> Including those in United States penitentiaries.<sup>5</sup> Including 3,703 committed to Federal prisons.

Source: Bureau of the Census, Department of Commerce.

### No. 73.—DISTRIBUTION OF PRISONERS ENUMERATED AND OF COMMITMENTS, BY PRINCIPAL OFFENSES

Offense	Number				Per cent distribution				Commitments per 100,000 population	
	Present Jan. 1		Commitments		Present Jan. 1		Commitments		1910	1923
	1910	1923	1910	1923 <sup>1</sup>	1910	1923	1910	1923		
<b>Total</b> .....	111,498	109,075	479,787	357,493	100.0	100.0	100.0	100.0	521.7	325.1
Drunkenness.....	8,585	2,728	170,941	91,367	7.7	2.5	35.6	25.6	185.9	83.1
Disorderly conduct.....	5,119	2,434	91,847	53,359	4.6	2.2	19.1	14.9	99.9	48.5
Violating liquor laws.....	2,148	5,901	7,713	39,340	1.9	5.4	1.6	11.0	8.4	35.8
Vagrancy.....	6,004	2,487	49,670	28,030	5.4	2.3	10.4	7.8	54.0	25.5
Larceny.....	21,397	17,462	39,338	27,141	19.2	16.0	8.2	7.6	42.8	24.7
Assault.....	9,719	5,891	22,509	12,606	8.7	5.4	4.7	3.5	24.5	11.5
Violating traffic laws.....	( <sup>2</sup> )	282	( <sup>2</sup> )	11,493	( <sup>2</sup> )	.3	( <sup>2</sup> )	3.2	( <sup>2</sup> )	10.5
Violating city ordinances.....	305	165	5,098	10,116	.3	.2	1.1	2.8	5.5	9.2
Burglary.....	16,268	16,580	8,105	8,574	14.6	15.2	1.7	2.4	8.8	7.8
Violating drug laws.....	123	3,545	314	7,103	.1	3.3	.1	2.0	.3	6.5
Carrying concealed weapons.....	1,239	1,838	6,460	5,642	1.1	1.2	1.3	1.6	7.0	5.1
Fornication and prostitution.....	825	940	6,029	5,114	.7	.9	1.3	1.4	6.6	4.7
Fraud.....	1,481	1,125	8,924	4,766	1.3	1.0	1.9	1.3	9.7	4.3
Forgery.....	3,145	4,759	2,063	4,093	2.8	4.4	.4	1.1	2.2	3.7
Homicide.....	14,257	15,941	2,876	3,906	12.8	14.6	.6	1.1	3.1	3.6
Gambling.....	734	92	6,893	4,035	.7	.1	1.4	1.1	7.5	3.7
Robbery.....	4,729	9,269	1,657	3,584	4.2	8.5	.3	1.0	1.8	3.3
Malicious mischief and trespassing.....	478	241	9,997	3,703	.4	.2	2.1	1.0	10.9	3.4
Nonsupport or neglect of family.....	626	859	2,793	3,660	.6	.8	.6	1.0	3.0	3.3
Rape.....	4,465	4,652	1,406	2,149	4.0	4.3	.3	.6	1.5	2.0
All other classified offenses.....	8,212	9,119	24,399	17,193	7.4	8.4	5.1	4.8	26.5	15.6
Unclassified and unknown.....	1,639	3,265	10,755	10,519	1.5	3.0	2.2	2.9	11.7	9.6

<sup>1</sup> Enumerated for the period Jan. 1 to June 30; estimated for the rest of the year.

<sup>2</sup> Not separately shown in 1910. Commitments for this offense were included under "Violating city ordinances."

### No. 74.—DISTRIBUTION OF PRISONERS ENUMERATED AND OF COMMITMENTS, BY NATURE AND LENGTH OF SENTENCE

Sentence	Number				Per cent distribution			
	Present Jan. 1		Commitments		Present Jan. 1		Commitments	
	1910	1923	1910	1923 <sup>1</sup>	1910	1923	1910	1923
<b>Total</b> .....	111,498	109,075	479,787	357,493	100.0	100.0	100.0	100.0
Death.....	143	92	130	116	.1	.1	( <sup>2</sup> )	( <sup>2</sup> )
Imprisonment for—								
Life.....	6,444	7,548	783	914	5.8	6.9	.2	.3
Definite term.....	71,112	51,003	182,641	156,185	63.8	46.8	38.1	43.7
1 year or more.....	47,704	37,325	21,357	24,526	42.8	34.2	4.5	6.9
Less than 1 year.....	23,408	13,678	161,284	131,659	21.0	12.5	33.6	36.8
Indeterminate period.....	21,083	43,705	15,005	23,312	18.9	40.1	3.1	6.5
Minority.....	134	126	50	59	.1	.1	( <sup>2</sup> )	( <sup>2</sup> )
Nonpayment of fine.....	12,299	5,552	278,914	169,333	11.0	5.1	58.1	47.4
Nature and length of sentence unknown.....	283	1,049	2,264	7,574	.3	1.0	.5	2.1

<sup>1</sup> Enumerated for the period Jan. 1 to June 30; estimated for the rest of the year.

<sup>2</sup> Less than one-tenth of 1 per cent.

Source: Bureau of the Census, Department of Commerce.

### No 75.—ADMISSIONS TO STATE AND FEDERAL PRISONS AND REFORMATORIES

[NOTE.—Data for total United States are not available for 1926, as no report has been received from institutions in three States. Total for 1923 includes houses of correction in Rhode Island and Maryland included in figures for jails and workhouses in Table 72. There is no State prison or reformatory in Delaware or the District of Columbia]

Division and State	Number of institutions, 1926	Prisoners received from courts during the year					
		1910	1923	1926	Number per 100,000 of population <sup>1</sup>		
					1910	1923	1926
United States.....	99	29,710	38,628	-----	32.4	34.7	-----
STATE PRISONS AND REFORMATORIES							
Total for institutions reported for 1926.....	92	26,415	33,298	41,942	29.9	31.2	37.4
<b>New England:</b>							
Maine.....	3	69	202	210	9.3	25.9	26.6
New Hampshire.....	1	43	35	33	10.0	7.8	7.3
Vermont.....	2	( <sup>2</sup> )	277	285	( <sup>2</sup> )	78.6	80.9
Massachusetts.....	3	1,114	693	826	33.1	17.1	19.7
Rhode Island <sup>3</sup> .....	2	658	294	197	121.3	45.0	28.4
Connecticut.....	3	186	346	401	16.7	23.1	25.0
<b>Middle Atlantic:</b>							
New York.....	8	3,188	2,666	3,290	35.0	24.5	29.1
New Jersey.....	3	814	825	1,170	32.1	24.1	31.8
Pennsylvania.....	4	1,145	1,256	1,531	14.9	13.7	15.9
<b>East North Central:</b>							
Ohio.....	4	1,115	2,264	3,183	23.4	36.6	48.2
Indiana.....	3	770	1,358	1,385	28.5	44.8	44.3
Illinois.....	4	844	1,387	1,728	15.0	20.2	24.0
Michigan.....	3	559	1,996	3,040	19.9	49.4	69.2
Wisconsin.....	3	527	532	817	22.6	19.3	28.3
<b>West North Central:</b>							
Minnesota.....	3	444	659	822	21.4	26.1	31.0
Iowa.....	3	333	753	674	15.0	31.2	27.8
Missouri.....	1	839	912	1,609	25.5	26.4	46.0
North Dakota.....	1	102	136	210	17.7	21.2	32.8
South Dakota.....	1	152	185	297	26.0	27.8	43.1
Nebraska.....	3	197	378	495	16.5	28.2	35.7
Kansas.....	3	500	1,001	1,253	29.6	55.6	68.8
<b>South Atlantic:</b>							
Maryland <sup>4</sup> .....	2	1,700	1,390	1,882	131.2	91.6	119.1
Virginia.....	1	662	608	844	32.1	25.1	33.5
West Virginia.....	1	425	772	854	31.8	49.2	51.2
North Carolina.....	1	192	368	580	8.7	13.6	20.3
South Carolina.....	1	237	351	302	15.6	20.0	16.5
Georgia.....	1	744	876	942	28.5	29.0	30.0
Florida.....	1	428	451	( <sup>2</sup> )	56.9	38.5	( <sup>2</sup> )
<b>East South Central:</b>							
Kentucky.....	2	855	827	1,365	37.3	33.5	54.1
Tennessee.....	2	652	599	811	29.8	24.9	32.9
Alabama.....	1	1,785	1,057	( <sup>2</sup> )	83.5	43.3	( <sup>2</sup> )
Mississippi.....	1	624	478	649	34.7	26.7	36.2
<b>West South Central:</b>							
Arkansas.....	2	570	957	998	36.2	52.3	52.4
Louisiana.....	1	750	559	765	45.3	30.0	39.9
Oklahoma.....	2	818	1,711	1,680	49.4	78.1	71.7
Texas.....	1	1,131	1,503	1,979	29.0	30.1	37.2
<b>Mountain:</b>							
Montana.....	1	297	243	277	79.0	38.9	39.9
Idaho.....	1	95	119	( <sup>2</sup> )	29.2	24.8	( <sup>2</sup> )
Wyoming.....	1	123	125	76	84.3	57.9	32.2
Colorado.....	2	596	562	806	74.6	56.1	76.1
New Mexico.....	1	193	164	193	59.0	43.7	49.7
Arizona.....	1	279	207	257	136.5	52.9	57.8
Utah.....	1	149	186	155	39.9	38.5	30.2
Nevada.....	1	80	75	123	97.7	96.9	158.9
<b>Pacific:</b>							
Washington.....	2	510	750	827	44.7	51.7	53.8
Oregon.....	1	221	262	332	32.8	31.5	37.9
California.....	2	1,008	1,570	1,789	42.4	40.4	41.5
Federal prisons.....	4	987	3,703	5,010	1.1	3.3	4.3

<sup>1</sup> Based on enumerated population Apr. 1, 1910, and estimated population July 1, 1923 and 1926.

<sup>2</sup> No report.

<sup>3</sup> Includes data for 1926 for the State reformatory for women, established since 1923; includes data for 1910 and 1923 for the State workhouse and house of correction.

<sup>4</sup> Includes data for the Maryland House of Correction and the State penitentiary.

Source: Bureau of the Census, Department of Commerce.



# No. 76.—PRISONERS IN STATE AND FEDERAL PRISONS AND REFORMATORIES ON JANUARY 1

[NOTE.—See headnote, Table 75]

Division and State	1910	1923	1926	1927	Number per 100,000 of population <sup>1</sup>			
					1910	1923	1926	1927
United States.....	68,735	81,959	-----	-----	74.9	74.1	-----	-----
<b>STATE PRISONS AND REFORMATORIES</b>								
Total for institutions reported for 1926 and 1927.....	61,833	72,474	83,721	89,294	70.2	68.3	75.3	79.2
<b>New England:</b>								
Maine.....	201	379	432	412	27.1	48.7	54.8	52.1
New Hampshire.....	147	138	150	133	34.1	30.8	33.1	29.3
Vermont.....	170	316	346	388	47.8	89.7	98.2	110.1
Massachusetts.....	1,966	1,448	1,769	1,923	58.4	36.0	42.4	45.6
Rhode Island <sup>2</sup> .....	421	466	315	398	77.6	72.0	45.9	55.5
Connecticut.....	605	891	948	920	54.3	60.2	59.7	56.8
<b>Middle Atlantic:</b>								
New York.....	7,073	6,316	6,820	7,298	77.6	58.4	60.7	64.2
New Jersey.....	1,839	1,912	2,213	2,383	72.5	56.5	60.8	64.1
Pennsylvania.....	3,510	4,298	3,960	4,170	45.8	47.2	41.5	43.1
<b>East North Central:</b>								
Ohio.....	2,561	4,234	5,398	6,209	53.7	69.1	82.6	93.3
Indiana.....	2,362	2,302	3,433	3,614	87.5	76.4	110.4	115.2
Illinois.....	2,509	4,416	5,293	6,038	44.5	64.9	74.0	83.3
Michigan.....	1,596	3,641	4,684	5,115	56.8	91.3	107.9	115.1
Wisconsin.....	953	1,158	1,358	1,496	40.8	42.2	47.4	51.6
<b>West North Central:</b>								
Minnesota.....	1,092	1,634	1,906	2,240	52.6	65.3	72.4	83.9
Iowa.....	963	1,794	2,086	2,108	43.3	74.3	86.2	87.0
Missouri.....	2,307	2,205	3,059	3,442	70.1	64.0	87.6	98.2
North Dakota.....	212	244	304	309	36.7	37.9	47.4	48.2
South Dakota.....	207	326	445	469	35.5	49.2	65.0	67.7
Nebraska.....	481	789	936	998	40.3	59.1	67.9	71.8
Kansas.....	1,264	1,574	2,390	2,675	74.8	87.7	131.5	146.7
<b>South Atlantic:</b>								
Maryland <sup>2</sup> .....	1,675	1,483	1,888	1,923	129.3	98.4	120.3	121.0
Virginia.....	2,145	1,960	1,920	1,979	104.0	81.6	76.7	78.2
West Virginia.....	1,071	1,628	1,768	1,799	87.7	104.8	106.9	106.9
North Carolina.....	710	1,046	1,490	1,579	32.2	38.9	52.6	54.9
South Carolina.....	848	528	528	504	56.0	30.2	29.1	27.5
Georgia.....	2,638	3,738	3,007	2,945	101.1	124.5	96.4	93.3
Florida.....	1,297	1,368	( <sup>3</sup> )	( <sup>3</sup> )	172.3	119.9	( <sup>3</sup> )	( <sup>3</sup> )
<b>East South Central:</b>								
Kentucky.....	2,028	2,079	2,170	2,248	88.6	84.4	86.2	88.8
Tennessee.....	1,813	1,630	1,916	2,023	83.0	68.1	77.9	81.7
Alabama.....	3,381	3,169	( <sup>3</sup> )	( <sup>3</sup> )	158.1	130.6	( <sup>3</sup> )	( <sup>3</sup> )
Mississippi.....	1,690	1,620	1,471	1,563	94.0	90.5	82.2	87.3
<b>West South Central:</b>								
Arkansas.....	794	1,410	1,449	1,383	50.4	77.5	76.6	72.3
Louisiana.....	1,999	1,593	1,575	1,686	120.7	86.1	82.5	87.5
Oklahoma.....	1,110	1,799	2,513	2,677	67.0	83.1	108.4	113.3
Texas.....	3,523	3,577	3,396	3,201	90.4	72.3	64.5	58.8
<b>Mountain:</b>								
Montana.....	691	331	420	437	183.8	54.0	61.4	62.0
Idaho.....	220	284	( <sup>3</sup> )	( <sup>3</sup> )	67.6	60.3	( <sup>3</sup> )	( <sup>3</sup> )
Wyoming.....	257	335	282	264	176.1	157.3	121.0	110.9
Colorado.....	851	1,015	1,185	1,129	106.5	102.3	112.9	105.9
New Mexico.....	313	239	353	358	95.6	64.1	91.5	91.8
Arizona.....	405	355	473	444	198.2	92.9	108.5	98.2
Utah.....	270	200	206	210	72.3	41.8	40.5	40.5
Nevada.....	199	174	203	232	243.1	224.8	262.5	299.7
<b>Pacific:</b>								
Washington.....	1,249	1,010	1,500	1,548	109.4	70.3	98.4	99.9
Oregon.....	399	406	478	572	59.3	49.2	54.9	64.7
California.....	2,816	3,837	5,285	5,862	118.4	100.5	124.4	134.0
Federal prisons.....	1,904	4,664	6,445	6,803	2.1	4.2	5.5	5.8

<sup>1</sup> Based on enumerated population Apr. 1, 1910, and estimated population Jan. 1, 1923, 1926, and 1927.<sup>2</sup> Includes data for 1910 and 1923 for the State workhouse and house of correction; includes data for 1926 and 1927 for the State reformatory for women, established since 1923.<sup>3</sup> Includes data for the Maryland House of Correction and the State penitentiary.<sup>4</sup> No report received for 1926 or 1927.

Source: Bureau of the Census, Department of Commerce.



### 3. VITAL STATISTICS

**No. 77.—BIRTH AND DEATH REGISTRATION: STATES INCLUDED IN REGISTRATION AREA WITH YEAR WHEN EACH WAS ADDED**

Death registration States				Birth registration States			
State	Year	State	Year	State	Year	State	Year
Massachusetts.....	1880	North Carolina <sup>1</sup> .....	1910	Connecticut.....	1915	California.....	1919
New Jersey.....		Utah.....		Maine.....		Oregon.....	
Dist. of Col.....		Kentucky.....	1911	Massachusetts.....		South Carolina <sup>6</sup> .....	1920
Connecticut.....		Missouri.....		Michigan.....		Nebraska.....	
Delaware <sup>1</sup> .....		Virginia.....	1913	Minnesota.....		Delaware.....	1921
New Hampshire.....	1890	Kansas.....	1914	New Hampshire.....		Mississippi.....	
New York.....		South Carolina.....	1916	New York.....		New Jersey.....	1922
Rhode Island.....		Tennessee.....	1917	Pennsylvania.....		Illinois.....	
Vermont.....		Illinois.....	1918	Rhode Island <sup>4</sup> .....		Montana.....	1922
Maine.....		Louisiana.....		Vermont.....		Wyoming.....	
Michigan.....	1900	Oregon.....	1919	Dist. of Col.....	1915	Florida.....	1924
Indiana.....		Florida.....		Maryland.....	1916	Iowa.....	
California.....		Mississippi.....	1920	Indiana.....	1917	North Dakota.....	1925
Colorado.....		Nebraska.....		Kansas.....		West Virginia.....	
Maryland.....	1906	Georgia <sup>4</sup> .....	1922	Kentucky.....		Arizona.....	1926
Pennsylvania.....		Idaho.....		North Carolina.....		Idaho.....	
South Dakota <sup>3</sup> .....		Wyoming.....	1923	Ohio.....			
Washington.....		Iowa.....		Utah.....			
Wisconsin.....	1908	North Dakota.....	1924	Virginia.....			
Ohio.....		Alabama.....	1925	Washington.....			
Minnesota.....	1910	West Virginia.....		Wisconsin.....			
Montana.....		Arizona.....	1926				

<sup>1</sup> Dropped from the area in 1900; readmitted in 1919.

<sup>2</sup> Dropped from the area in 1910.

<sup>3</sup> Included only municipalities having a population of 1,000 or more in 1900; remainder added in 1916.

<sup>4</sup> State registration law declared unconstitutional; dropped from the area in 1925.

<sup>5</sup> Dropped from the area in 1919; readmitted in 1921.

<sup>6</sup> Dropped from the area in 1925.

NOTE.—The Territory of Hawaii was added to the death registration area in 1917, the Virgin Islands, to both the death and the birth registration areas in 1924.

**No. 78.—DEATHS: <sup>1</sup> NUMBER AND RATES IN ENTIRE DEATH REGISTRATION AREA, CONTINENTAL UNITED STATES, 1880 TO 1926**

[NOTE.—Owing to changes in area covered, death rates and ratios are not strictly comparable]

Year	Registration area			All deaths		Deaths under 1 year of age		Deaths under 5 years of age	
	Population	Percent of U. S. total population	Percent of U. S. total area	Number	Rate per 1,000 population	Number	Percent of all deaths	Number	Percent of all deaths
1880 <sup>1</sup> .....	8, 538, 366	17. 0	0. 6	169, 453	19. 8	48, 041	28. 3	74, 810	44. 0
1890 <sup>2</sup> .....	19, 659, 440	31. 2	3. 0	386, 212	19. 6	86, 790	22. 5	133, 778	34. 6
1900.....	30, 765, 618	40. 5	7. 1	539, 939	17. 6	111, 687	20. 7	164, 137	30. 4
1904.....	33, 245, 163	40. 4	7. 2	551, 354	16. 5	102, 880	18. 7	145, 902	26. 5
1905.....	34, 052, 201	40. 4	7. 2	545, 533	16. 0	105, 553	19. 3	147, 384	27. 0
1906.....	41, 983, 419	48. 9	20. 3	658, 105	15. 7	133, 105	20. 2	186, 978	28. 4
1907.....	43, 016, 990	49. 2	20. 3	687, 034	16. 0	131, 110	19. 1	183, 774	26. 7
1908.....	46, 789, 913	52. 5	24. 4	691, 574	14. 8	136, 432	19. 7	189, 865	27. 5
1909.....	50, 870, 518	56. 1	25. 7	732, 538	14. 4	140, 057	19. 1	196, 534	26. 8
1910.....	53, 831, 742	58. 3	33. 6	805, 412	15. 0	154, 373	19. 2	217, 319	27. 0
1911.....	59, 183, 071	63. 2	37. 2	839, 284	14. 2	149, 322	17. 8	209, 482	25. 0
1912.....	60, 359, 974	63. 5	37. 2	838, 251	13. 9	147, 455	17. 6	204, 639	24. 4
1913.....	63, 200, 625	65. 5	38. 6	890, 848	14. 1	159, 435	17. 9	225, 129	25. 3
1914.....	65, 813, 315	67. 2	41. 3	898, 059	13. 6	155, 075	17. 3	214, 120	23. 8
1915.....	67, 095, 681	67. 5	41. 3	909, 155	13. 6	148, 561	16. 3	203, 223	22. 4
1916.....	71, 349, 162	70. 8	44. 0	1, 001, 921	14. 0	164, 660	16. 4	234, 081	23. 4
1917.....	74, 984, 498	73. 4	45. 4	1, 068, 932	14. 3	171, 024	16. 0	243, 708	22. 8
1918.....	81, 333, 675	78. 5	52. 0	1, 471, 367	18. 1	193, 855	13. 2	306, 143	20. 8
1919.....	85, 166, 043	81. 1	55. 5	1, 096, 436	12. 9	161, 621	14. 7	229, 813	21. 0
1920.....	87, 486, 713	82. 2	58. 0	1, 142, 558	13. 1	174, 710	15. 3	248, 432	21. 7
1921.....	88, 667, 602	82. 2	58. 0	1, 032, 009	11. 6	160, 011	15. 5	220, 688	21. 4
1922.....	93, 241, 643	85. 3	66. 1	1, 101, 863	11. 8	158, 560	14. 4	218, 201	19. 8
1923.....	96, 986, 371	87. 6	68. 0	1, 193, 017	12. 3	166, 274	13. 9	233, 918	19. 6
1924.....	99, 200, 298	88. 5	70. 3	1, 173, 990	11. 8	161, 404	13. 7	220, 122	18. 7
1925.....	108, 108, 000	89. 4	70. 9	1, 219, 019	11. 8	161, 961	13. 3	218, 294	17. 9
1926.....	105, 167, 000	89. 8	74. 7	1, 285, 927	12. 2	163, 343	12. 7	226, 824	17. 6

<sup>1</sup> Exclusive of stillbirths

<sup>2</sup> Census year ending May 31

Source of Tables 77 and 78: Bureau of the Census, Department of Commerce.

No. 79.—DEATHS:<sup>1</sup> RATE PER 1,000 POPULATION, BY SEX AND BY AGE GROUPS

[NOTE.—It is necessary for accurate comparison of different years to consider only States having registration throughout the period compared. The rates for the registration States of 1900 are based on the population as enumerated Jan. 1, 1920, and the estimated midyear population of 1903, 1913, 1925, and 1926; the rates for the registration States of 1920 are based on the midyear estimates. For definition of crude and adjusted rates see headnote to Table 83]

Sex and age group	Death rates from all causes (exclusive of stillbirths) per 1,000 population										
	Registration States as of 1900					Registration States as of 1920					
	Annual average		1920	1925	1926	1920	1922	1923	1924	1925	1926
	1901-1905	1911-1915									
BOTH SEXES											
All ages:											
Adjusted rate.....	15.5	14.1	13.2	11.5	12.0	12.7	11.4	11.9	11.3	11.5	11.8
Crude rate.....	15.8	14.6	13.9	12.4	12.9	13.0	11.9	12.4	11.9	11.9	12.3
Under 1 year.....	138.2	123.0	106.1	76.1	75.2	96.6	84.2	86.3	82.3	75.3	74.3
1 to 4 years.....	15.8	11.8	10.7	6.0	7.1	9.8	7.4	8.1	6.8	6.3	6.9
Under 5 years.....	41.7	34.6	29.1	19.5	20.2	26.5	22.1	22.9	21.0	19.7	20.0
5 to 9 years.....	4.1	3.1	3.2	2.3	2.3	3.0	2.4	2.4	2.2	2.1	2.1
10 to 14 years.....	2.7	2.1	2.3	1.9	1.7	2.3	1.9	1.9	1.8	1.8	1.7
15 to 19 years.....	4.4	3.5	3.8	3.0	2.9	4.1	3.4	3.5	3.5	3.3	3.2
20 to 24 years.....	6.1	4.9	5.2	3.7	3.7	5.7	4.4	4.6	4.6	4.3	4.3
25 to 34 years.....	7.5	6.1	6.4	4.4	4.3	6.8	5.1	5.1	4.9	4.8	4.8
35 to 44 years.....	9.9	9.0	8.0	7.2	7.3	8.2	7.1	7.4	7.2	7.3	7.5
45 to 54 years.....	14.4	14.3	12.6	12.6	13.2	12.1	11.6	12.1	12.0	12.4	13.0
55 to 64 years.....	27.1	27.5	25.5	27.0	28.2	23.6	23.4	24.4	23.7	25.2	26.3
65 to 74 years.....	55.1	58.0	56.7	60.8	64.1	52.3	53.7	56.4	55.0	57.6	60.9
75 years and over.....	137.8	140.1	141.3	141.6	151.3	133.6	133.0	140.9	133.3	141.1	149.7
MALES											
All ages:											
Adjusted rate.....	16.5	15.3	13.8	12.4	12.9	13.2	12.0	12.6	12.2	12.2	12.6
Crude rate.....	16.6	15.5	14.2	13.0	13.5	13.4	12.4	13.0	12.7	12.6	13.0
Under 1 year.....	152.7	136.7	119.8	86.0	84.4	108.5	94.8	96.5	93.0	84.8	83.4
1 to 4 years.....	16.5	12.4	11.1	6.4	7.6	10.2	7.9	8.6	7.3	6.6	7.3
Under 5 years.....	45.3	37.8	32.0	21.7	22.4	29.1	24.5	25.2	23.4	21.8	22.1
5 to 9 years.....	4.2	3.3	3.4	2.6	2.5	3.1	2.6	2.6	2.4	2.3	2.3
10 to 14 years.....	2.8	2.2	2.4	2.1	1.9	2.4	2.0	2.1	2.0	2.0	1.9
15 to 19 years.....	4.4	3.7	3.9	3.2	3.1	4.2	3.4	3.6	3.6	3.4	3.3
20 to 24 years.....	6.2	5.3	5.0	3.7	3.9	5.4	4.4	4.7	4.7	4.3	4.3
25 to 34 years.....	7.8	6.5	6.2	4.5	4.4	6.5	5.0	5.2	5.0	4.9	4.8
35 to 44 years.....	10.6	10.1	8.3	7.9	8.0	8.3	7.4	7.8	7.7	7.8	8.0
45 to 54 years.....	15.6	15.9	13.1	13.7	14.5	12.5	12.2	12.8	12.7	13.2	13.9
55 to 64 years.....	29.1	30.1	26.7	29.2	30.5	24.6	24.7	25.9	25.4	27.0	28.2
65 to 74 years.....	58.2	61.7	58.6	64.8	68.4	54.2	56.4	59.1	58.7	61.5	64.9
75 years and over.....	142.9	144.6	145.0	145.4	155.8	136.1	136.2	144.2	138.8	145.7	154.5
FEMALES											
All ages:											
Adjusted rate.....	14.6	13.0	12.6	10.8	11.1	12.2	10.8	11.2	10.6	10.8	11.1
Crude rate.....	14.9	13.6	13.5	11.8	12.2	12.6	11.3	11.8	11.1	11.2	11.6
Under 1 year.....	123.3	109.0	92.2	66.0	65.8	84.4	73.3	75.9	71.4	65.6	64.9
1 to 4 years.....	15.2	11.3	10.2	5.7	6.6	9.3	7.0	7.7	6.4	5.9	6.5
Under 5 years.....	38.0	31.2	26.0	17.3	18.0	23.9	19.6	20.6	18.6	17.5	17.8
5 to 9 years.....	4.0	2.9	2.0	2.1	2.1	2.8	2.2	2.2	2.0	1.9	1.9
10 to 14 years.....	2.7	2.0	2.1	1.7	1.6	2.1	1.7	1.7	1.6	1.6	1.5
15 to 19 years.....	4.4	3.2	3.7	2.9	2.8	4.0	3.3	3.5	3.4	3.2	3.2
20 to 24 years.....	5.9	4.5	5.3	3.7	3.6	5.9	4.4	4.5	4.5	4.3	4.2
25 to 34 years.....	7.3	5.6	6.7	4.3	4.3	7.2	5.1	5.1	4.8	4.8	4.8
35 to 44 years.....	9.0	7.9	7.6	6.4	6.5	8.0	6.8	6.9	6.6	6.9	7.0
45 to 54 years.....	13.1	12.6	12.1	11.4	11.7	11.6	11.0	11.3	11.1	11.4	11.9
55 to 64 years.....	25.1	24.9	24.2	24.6	25.8	22.5	21.9	22.7	21.8	23.2	24.3
65 to 74 years.....	52.1	54.5	55.0	57.0	60.1	50.2	51.0	53.6	51.0	53.5	56.7
75 years and over.....	133.3	136.4	138.4	138.5	147.6	131.4	130.1	137.9	128.5	137.2	145.4

<sup>1</sup> Exclusive of stillbirths. Figures do not include Hawaii.

Source: Bureau of the Census, Department of Commerce.

**No. 80.—DEATHS:<sup>1</sup> CRUDE RATES PER 1,000 ESTIMATED POPULATION IN THE DEATH REGISTRATION AREA, CONTINENTAL UNITED STATES, BY COLOR**

Year	Registration area			All registration cities			Rural part of registration area		
	Total	White	Colored	Total	White	Colored	Total	White	Colored
1913.....	14.1	13.7	21.7	15.3	14.7	24.1	12.7	12.4	18.2
1914.....	13.6	13.2	21.7	14.8	14.3	23.9	12.3	12.0	18.6
1915.....	13.6	13.1	22.0	14.6	14.0	23.8	12.3	12.0	19.2
1916.....	14.0	13.6	19.8	15.2	14.7	24.1	12.9	12.5	17.4
1917.....	14.3	13.7	21.4	15.5	14.8	25.6	13.0	12.5	18.2
1918.....	18.1	17.4	26.0	20.0	19.3	30.4	16.3	15.6	22.1
1919.....	12.9	12.4	18.0	13.9	13.4	21.9	11.9	11.4	18.0
1920.....	13.1	12.6	18.0	14.2	13.6	22.7	11.9	11.5	18.2
1921.....	11.6	11.2	16.0	12.4	11.9	19.8	10.9	10.6	13.6
1922.....	11.8	11.4	15.7	12.7	12.2	20.5	11.0	10.7	12.9
1923.....	12.3	11.8	17.1	13.2	12.5	22.5	11.5	11.1	14.2
1924.....	11.8	11.2	17.8	12.8	12.1	23.3	10.9	10.4	14.8
1925.....	11.8	11.2	18.2	12.0	12.2	23.4	10.7	10.2	16.2
1926.....	12.2	11.6	18.8	13.4	12.7	23.9	11.1	10.6	15.6

<sup>1</sup> Exclusive of stillbirths.

Source: Bureau of the Census, Department of Commerce.

**No. 81.—DEATHS: NUMBER IN THE DEATH REGISTRATION STATES**

Registration States	1926	1925	Registration States	1926	1925
Total.....	1,191,000	1,207,255	Mississippi.....	22,153	23,706
Alabama.....	29,140	30,692	White.....	8,218	9,191
White.....	14,904	15,416	Colored.....	13,935	14,515
Colored.....	14,176	15,276	Missouri.....	41,288	42,763
Arizona.....	(i)	5,572	Montana.....	5,183	5,205
California.....	56,800	58,914	Nebraska.....	12,493	12,649
Colorado.....	12,549	12,273	New Hampshire.....	6,563	6,703
Connecticut.....	17,680	18,318	New Jersey.....	42,192	44,876
Delaware.....	3,115	3,447	New York.....	142,500	151,345
District of Columbia.....	7,015	7,388	North Carolina.....	32,548	34,562
White.....	4,893	4,583	White.....	19,702	20,967
Colored.....	2,722	2,805	Colored.....	12,846	13,595
Florida.....	16,802	20,044	North Dakota.....	5,045	5,313
White.....	10,180	12,173	Ohio.....	73,607	75,086
Colored.....	6,702	7,871	Oregon.....	9,629	9,857
Idaho.....	3,402	3,871	Pennsylvania.....	115,745	120,537
Illinois.....	81,593	85,331	Rhode Island.....	8,226	8,791
Indiana.....	38,632	40,016	South Carolina.....	21,090	23,403
Iowa.....	24,294	25,496	White.....	8,693	9,219
Kansas.....	18,581	19,100	Colored.....	12,397	14,184
Kentucky.....	28,387	29,952	Tennessee.....	27,834	31,396
White.....	23,736	23,146	White.....	19,404	22,163
Colored.....	4,651	4,807	Colored.....	8,430	9,232
Louisiana.....	25,088	24,230	Utah.....	4,484	5,138
White.....	12,202	12,278	Vermont.....	5,137	5,215
Colored.....	12,886	11,952	Virginia.....	29,343	30,818
Maine.....	10,792	11,355	White.....	17,523	18,868
Maryland.....	21,628	22,649	Colored.....	11,820	11,949
White.....	16,143	17,170	Washington.....	15,280	15,670
Colored.....	5,485	5,479	West Virginia.....	17,154	18,143
Massachusetts.....	51,721	52,638	Wisconsin.....	29,380	30,191
Michigan.....	49,419	54,084	Wyoming.....	1,898	1,902
Minnesota.....	25,436	25,803			

<sup>1</sup> Not in the registration area in 1925.

Source: Bureau of the Census, Department of Commerce.

## No. 82.—DEATHS: RATE PER 1,000 POPULATION BY STATES

[NOTE.—For discussion of crude and adjusted rates, see headnote, Table 63.]

Registration States	Death rate per 1,000 estimated population										Ratio of ad-justed to crude rate, 1930
	Crude rate									Ad-justed rate, 1930	
	1918	1919	1920	1921	1922	1923	1924	1925	1926		
Total	18.0	12.8	12.0	11.0	11.6	12.2	11.8	11.8	12.9	12.7	
Alabama	(1)	(2)	(3)	(3)	(1)	(2)	(3)	11.7	11.8	(1)	(2)
White	(2)	(2)	(3)	(3)	(1)	(2)	(3)	9.4	9.4	(2)	(2)
Colored	(2)	(2)	(3)	(3)	(1)	(2)	(2)	16.6	16.0	(2)	(2)
Arizona	(1)	(2)	(3)	(2)	(2)	(1)	(2)	(2)	12.5	(1)	(2)
California	17.7	13.7	13.0	13.2	14.1	14.3	14.5	13.6	13.7	12.4	0.9117
Colorado	19.3	12.9	14.5	12.4	13.5	12.4	12.5	12.1	11.6	14.4	.9971
Connecticut	20.4	13.3	13.6	11.4	12.0	12.0	11.3	11.2	11.4	12.9	.9507
Delaware	(2)	15.5	14.6	13.1	13.2	14.0	13.0	13.1	14.4	13.7	.9430
Florida	(1)	12.4	13.0	11.8	12.2	13.5	12.9	13.3	15.2	13.4	1.0308
White	(2)	11.3	11.7	10.6	10.9	11.8	11.2	11.8	13.6	11.4	.9716
Colored	(1)	14.3	16.6	14.2	15.0	17.0	16.4	16.6	18.8	17.6	1.1537
Georgia	(1)	(2)	(2)	(2)	10.4	11.3	11.5	(2)	(2)	(2)	(2)
White	(2)	(2)	(2)	(2)	9.2	9.9	9.8	(2)	(2)	(2)	(2)
Colored	(2)	(2)	(2)	(2)	12.2	13.3	13.9	(2)	(2)	(2)	(2)
Idaho	(2)	(2)	(2)	(2)	8.1	7.1	7.9	6.7	7.4	(2)	(2)
Illinois	16.2	12.0	12.6	11.1	11.3	12.0	11.2	11.5	11.8	12.5	.9602
Indiana	16.0	12.7	13.4	11.9	11.9	12.9	12.2	12.5	12.8	12.1	.9024
Iowa	(2)	(2)	(2)	(2)	(2)	10.3	9.8	10.0	10.5	(2)	(2)
Kansas	15.1	10.8	11.4	10.2	10.6	11.0	9.9	10.2	10.5	10.4	.9142
Kentucky	17.0	12.8	11.8	10.5	10.8	11.9	10.8	11.3	11.9	11.7	.9948
White	15.8	11.8	11.0	9.6	10.0	11.1	9.9	10.4	10.9	10.9	.9930
Colored	27.7	21.2	19.4	17.9	18.4	19.5	20.1	20.8	22.5	19.6	1.0257
Louisiana	18.2	12.9	11.9	11.0	11.3	12.1	13.1	13.2	12.6	13.3	1.1152
White	14.3	10.6	9.8	8.2	8.4	10.0	10.6	10.8	10.0	10.9	1.1167
Colored	23.3	16.4	15.3	13.9	14.4	15.5	17.6	18.4	17.3	17.1	1.1167
Maine	19.1	14.6	15.4	14.0	14.7	15.0	13.8	13.7	14.4	12.4	.8048
Maryland	23.6	15.3	14.7	13.6	13.6	14.7	13.8	12.9	14.3	14.4	.9911
White	21.7	13.8	13.3	12.3	12.4	13.3	12.6	12.4	13.0	12.8	.9575
Colored	25.0	22.3	21.8	19.6	19.4	21.4	20.3	21.5	21.6	22.7	1.0699
Massachusetts	20.9	13.6	13.8	12.2	12.8	13.0	12.0	12.5	12.5	12.9	.9361
Michigan	13.4	12.6	13.9	11.6	11.3	12.4	11.6	11.5	12.3	13.2	.9525
Minnesota	13.4	10.5	10.7	9.4	9.5	10.1	9.7	9.7	9.7	10.5	.9798
Mississippi	(2)	12.7	12.3	11.1	10.8	11.4	11.8	12.4	13.3	13.4	1.0888
White	(2)	9.6	9.2	8.6	8.7	9.1	9.2	9.6	10.8	9.7	1.0634
Colored	(2)	16.4	15.1	13.6	12.8	13.5	14.2	14.9	15.6	16.8	1.1195
Missouri	15.9	11.8	12.5	10.8	11.2	12.2	11.7	11.9	12.2	11.9	.9639
Montana	17.3	10.7	9.5	8.2	8.6	8.0	7.9	7.7	7.8	10.2	1.0708
Nebraska	(2)	(2)	10.0	9.2	9.4	9.5	9.2	9.1	9.1	9.7	.9720
New Hampshire	21.8	14.7	15.2	13.7	14.6	15.1	14.2	14.5	14.8	12.2	.7982
New Jersey	20.8	13.1	13.0	11.7	12.2	12.3	11.9	11.7	12.2	13.1	1.0102
New York	19.0	13.9	13.8	12.3	13.0	13.0	12.7	12.8	13.4	13.6	.9803
North Carolina	17.1	12.2	12.7	11.3	11.6	12.0	12.2	11.6	12.1	13.4	1.0579
White	14.6	10.8	11.2	9.9	10.3	10.5	10.4	9.9	10.4	11.6	1.0370
Colored	29.0	15.9	16.0	14.4	14.8	15.5	16.4	16.5	16.5	17.7	1.1039
North Dakota	(2)	(2)	(2)	(2)	(2)	(2)	7.6	7.9	8.3	(2)	(2)
Ohio	16.8	12.7	12.8	11.3	11.3	12.3	11.2	11.4	11.9	11.9	.9304
Oregon	12.8	11.4	11.7	10.4	11.5	10.9	11.4	11.2	11.2	10.9	.9277
Pennsylvania	22.1	13.4	13.8	12.4	12.3	13.3	12.3	12.2	12.5	13.6	.9667
Rhode Island	20.9	14.2	14.3	12.6	13.1	13.8	12.5	12.1	12.7	13.8	.9026
South Carolina	10.5	13.8	14.0	11.9	12.0	11.8	13.0	12.2	12.8	13.6	1.1107
White	15.6	10.6	11.4	9.8	9.7	9.6	10.4	9.6	8.8	12.3	1.0792
Colored	23.2	16.7	16.5	14.0	14.2	14.1	15.6	14.9	15.9	18.9	1.1418
Tennessee	16.1	12.2	12.1	10.7	10.8	11.9	11.0	11.4	12.7	12.5	1.0308
White	14.0	10.8	10.7	9.4	9.5	10.4	9.9	9.7	10.9	10.9	1.0187
Colored	24.6	18.4	18.1	16.0	16.4	18.7	19.4	19.0	21.8	19.8	1.0696
Utah	14.2	11.0	11.5	10.4	10.4	9.5	10.4	8.9	10.0	12.0	1.0470
Vermont	19.4	14.4	15.7	14.2	14.7	15.2	13.8	14.6	14.8	12.3	.7834
Virginia	19.3	13.7	13.1	12.2	12.1	12.8	12.0	11.8	12.2	13.6	1.0332
White	16.9	11.5	11.9	10.4	10.3	11.0	10.3	9.9	10.4	11.4	1.0085
Colored	24.9	18.8	17.6	15.3	16.4	17.8	18.4	16.8	16.9	18.9	1.0735
Washington	13.3	10.7	11.1	9.5	10.1	9.7	10.0	10.1	10.2	11.0	.9925
West Virginia	(2)	(2)	(2)	(2)	(2)	(2)	(2)	10.5	10.9	(2)	(2)
Wisconsin	13.6	10.7	11.2	10.3	10.1	10.7	10.2	10.3	10.5	10.5	.9377
Wyoming	(2)	(2)	(2)	(2)	9.3	10.3	9.5	8.3	8.1	(2)	(2)

Includes District of Columbia, the rates for which are shown (under Washington) in Table 63; does not include Hawaii.

Not added to registration area until a later date

\* State registration law declared unconstitutional.

Source: Bureau of the Census, Department of Commerce.

### No. 83.—DEATHS:<sup>1</sup> RATES PER 1,000 ESTIMATED POPULATION, BY REGISTRATION CITIES OF 100,000 OR MORE INHABITANTS

[NOTE.—Adjusted rates make allowances for the sex and age distribution of the population, while crude rates do not, being obtained simply by dividing the number of deaths by the total population. The former are more significant. Adjusted rates subsequent to 1920 may be computed by applying to the crude rates, based on estimated population, the ratio of the adjusted rate to the crude rate in 1920, based on enumerated population. This method, as we get further away from the census of 1920, may become less and less reliable owing to changes which may have taken place in the age and sex distribution of the population. Stillbirths are excluded.]

City	Crude rate			Adjusted rate, 1920	Ratio of ad- justed to crude rate, 1920	City	Crude rate			Adjusted rate, 1920	Ratio of ad- justed to crude rate, 1920
	1920	1925	1926				1920	1925	1926		
Akron.....	11.3	(?)	(?)	13.8	1.2169	Milwaukee.....	11.7	10.9	11.1	12.4	1.0698
Albany.....	15.7	15.7	16.8	14.3	.9118	Minneapolis.....	12.3	11.6	11.5	12.4	1.0111
Atlanta.....	17.2	(?)	16.0	19.3	1.1265	Nashville.....	18.1	17.3	19.7	18.8	1.0373
White.....	14.5	(?)	11.1	16.4	1.1315	White.....	18.5	14.5	16.0	16.2	1.0114
Colored.....	23.0	(?)	27.6	26.7	1.1196	Colored.....	24.0	24.8	26.0	24.8	1.0304
Baltimore.....	15.4	14.6	15.1	15.6	1.0156	New Bedford.....	14.2	11.7	12.5	14.9	1.0440
White.....	15.9	12.8	13.4	15.9	.9847	New Haven.....	14.5	12.1	12.2	14.5	1.0018
Colored.....	23.5	26.0	26.1	26.6	1.1304	New Orleans.....	17.6	19.2	18.9	18.7	1.0622
Birmingham.....	16.5	17.0	17.7	19.2	1.1663	White.....	14.5	14.8	15.0	15.2	1.0431
White.....	18.4	18.7	13.5	11.7	1.1867	Colored.....	26.4	31.6	30.0	29.4	1.1167
Colored.....	22.8	23.7	24.0	26.4	1.1601	New York.....	13.0	12.2	12.8	14.4	1.1082
Boston.....	15.4	14.8	14.9	15.5	1.0052	Bronx Borough.....	10.6	9.5	10.3	12.4	1.1750
Bridgeport.....	12.8	(?)	(?)	13.9	1.0784	Brooklyn.....	12.6	11.3	12.0	13.8	1.0906
Buffalo.....	14.6	13.8	14.3	15.3	1.0440	Manhattan.....	14.3	13.3	18.0	15.9	1.1137
Cambridge.....	14.9	11.9	12.1	14.5	.9736	Queens Borough.....	11.5	9.8	10.2	12.7	1.1019
Camden.....	14.7	13.8	13.5	15.4	1.0443	Richmond.....	15.1	13.5	14.0	15.2	1.0057
Chicago.....	12.8	11.5	11.7	13.9	1.0897	Newark, N. J.....	12.9	11.7	11.9	14.0	1.0912
Cincinnati.....	15.1	16.0	17.3	14.4	.9530	Norfolk.....	15.2	10.5	10.7	17.3	1.1392
Cleveland.....	12.4	10.4	11.1	13.8	1.1165	White.....	11.8	7.7	7.6	13.4	1.1322
Columbus.....	14.8	13.9	13.9	14.6	.9998	Colored.....	20.7	18.4	16.8	23.6	1.1409
Dallas.....	13.4	13.7	13.5	15.4	1.1466	Oakland.....	11.8	10.2	10.8	11.5	.9800
White.....	12.1	12.1	11.9	14.0	1.1627	Omaha.....	14.3	13.3	13.0	15.2	1.0622
Colored.....	20.5	23.9	23.4	25.7	1.1415	Paterson.....	12.8	12.0	12.8	13.5	1.0518
Dayton.....	12.2	11.3	12.3	12.2	1.0036	Philadelphia.....	14.4	13.2	13.8	14.6	1.0158
Denver.....	17.3	14.7	13.9	17.0	.9800	Pittsburgh.....	16.4	14.8	14.1	17.5	1.0658
Des Moines.....	(?)	10.7	11.6	(?)	(?)	Portland, Oreg.....	12.1	(?)	(?)	11.8	.9737
Detroit.....	13.4	11.0	12.6	15.2	1.1335	Providence.....	15.5	12.4	12.9	15.2	.9637
Fall River.....	14.7	12.3	13.0	15.1	1.0303	Reading.....	14.5	12.0	12.7	14.0	.9664
Fort Worth.....	(?)	10.0	9.7	(?)	(?)	Richmond.....	16.5	14.7	16.0	17.7	1.0731
White.....	(?)	9.5	9.0	(?)	(?)	White.....	13.5	12.0	12.8	13.8	1.0372
Colored.....	(?)	15.1	15.1	(?)	(?)	Colored.....	23.5	21.4	23.9	26.8	1.1271
Grand Rapids.....	13.2	11.5	11.3	12.6	.9546	Rochester.....	12.6	12.1	12.8	12.4	.9802
Hartford.....	16.4	12.8	13.0	16.9	1.0325	St. Louis.....	14.1	13.8	13.9	14.6	1.0396
Houston.....	13.9	(?)	(?)	15.7	1.1337	St. Paul.....	12.5	12.7	12.3	12.8	1.0193
White.....	12.9	(?)	(?)	13.9	1.1276	Salt Lake City.....	14.3	11.7	12.8	14.6	1.0236
Colored.....	18.6	(?)	(?)	21.6	1.1675	San Antonio.....	16.2	15.3	14.7	17.8	1.1015
Indianapolis.....	14.6	13.8	14.0	14.8	1.0154	San Francisco.....	14.2	13.3	13.5	14.1	.9920
White.....	13.8	13.1	13.4	13.7	.9971	Scranton.....	14.9	13.5	13.2	16.2	1.0875
Colored.....	20.9	18.9	18.7	23.9	1.1417	Seattle.....	10.7	(?)	(?)	11.1	1.0419
Jersey City.....	14.1	11.7	11.9	15.4	1.0912	Spokane.....	14.2	12.7	13.9	14.1	.9965
Kansas City, Kan.....	14.5	14.3	13.6	15.1	1.0459	Springfield, Mass.....	13.0	12.5	12.6	13.1	1.0064
White.....	13.5	14.7	12.6	(?)	(?)	Syracuse.....	15.2	12.6	13.6	14.9	.9783
Colored.....	20.6	21.8	18.5	(?)	(?)	Toledo.....	13.8	12.2	12.6	14.1	1.0210
Kansas City, Mo.....	16.1	13.9	13.7	16.8	1.0476	Trenton.....	15.7	14.2	14.1	16.4	1.0450
Los Angeles.....	14.1	(?)	(?)	13.1	.9336	Washington, D.C.....	14.6	13.6	14.0	15.0	1.0301
Louisville.....	15.2	14.3	15.2	15.2	.9961	White.....	12.6	11.0	11.5	12.4	.9840
White.....	13.8	12.8	13.5	13.5	.9798	Colored.....	20.9	22.0	22.6	23.1	1.1215
Colored.....	22.5	22.1	24.6	23.6	1.0636	Wilmington, Del.....	14.1	11.3	13.0	14.3	1.0191
Lowell.....	15.7	14.1	14.0	15.8	1.0084	Worcester.....	14.7	13.4	14.0	14.5	.9789
Memphis.....	19.9	19.3	20.0	21.6	1.0849	Yonkers.....	11.4	10.1	10.4	12.5	1.1000
White.....	18.6	14.0	16.3	16.7	1.0676	Youngstown.....	12.9	10.7	10.7	14.4	1.1198
Colored.....	27.0	28.7	29.4	30.8	1.1302						

<sup>1</sup> Exclusive of stillbirths.

<sup>2</sup> Rate omitted, pending the establishment of a more satisfactory estimate of population.

<sup>3</sup> Not added to registration area until a later date.

Source: Bureau of the Census, Department of Commerce.



No. 84.—DEATHS: NUMBER AND RATE PER 100,000 POPULATION, IN ENTIRE DEATH REGISTRATION AREA, CONTINENTAL UNITED STATES, BY IMPORTANT CAUSES

[NOTE. The increase in the registration area affects somewhat the comparability of the rates for the area as a whole. See Tables 77 and 78]

Detailed List No.	Causes of death	Number of deaths entire area, 1926	Entire registration area—rate						Death registration States as of 1900—rate					
			1900	1910	1926	1923	1924	1925	1926	1923	1924	1925	1926	1926
	All causes <sup>1</sup>	1, 285, 927	1, 755. 0	1, 496. 2	1, 306. 0	1, 230. 1	1, 183. 5	1, 182. 3	1, 222. 7	1, 223. 3	1, 232. 5	1, 239. 7	1, 237. 5	
1	Typhoid and paratyphoid fever	6, 828	35. 9	23. 5	7. 8	6. 8	6. 7	8. 0	6. 5	3. 6	3. 5	3. 8	2. 8	
7	Measles	8, 607	12. 5	12. 3	8. 8	10. 8	8. 6	2. 3	8. 2	8. 8	5. 9	3. 4	11. 2	
8	Scarlet fever	2, 662	10. 2	11. 6	4. 6	3. 5	3. 1	2. 7	2. 5	3. 6	3. 3	2. 7	2. 8	
9	Whooping cough	9, 317	12. 1	11. 4	12. 5	9. 7	8. 3	6. 7	8. 9	8. 3	6. 6	5. 9	7. 8	
10	Diphtheria	7, 856	43. 3	21. 4	15. 3	12. 1	9. 4	7. 8	7. 5	12. 4	10. 3	8. 2	7. 7	
11, 101	Influenza and pneumonia	104, 458	181. 5	115. 1	153. 7	210. 0	76. 8	84. 5	99. 3	98. 2	71. 5	79. 3	98. 4	
31, 37a	Tuberculosis of the respiratory system and acute disseminated tuberculosis	81, 831	181. 8	139. 7	100. 8	83. 5	80. 2	77. 1	77. 8	80. 1	75. 8	72. 8	73. 3	
32-36, 37b	Other forms of tuberculosis	9, 737	20. 1	20. 6	13. 4	10. 0	10. 2	9. 5	9. 3	10. 7	10. 9	9. 9	9. 9	
43-49	Cancer and other malignant tumors	99, 833	63. 0	76. 2	83. 4	89. 4	91. 9	92. 6	94. 9	106. 6	109. 8	111. 5	113. 5	
57	Diabetes and mellitus	18, 881	9. 7	14. 9	16. 1	17. 9	16. 6	16. 9	18. 0	22. 5	20. 6	21. 2	22. 2	
74, 83, 92	Cerebral hemorrhage and softening, embolism and thrombosis (not cerebral)	93, 613	75. 5	79. 4	86. 4	92. 2	94. 4	86. 5	89. 0	106. 5	107. 8	98. 3	100. 8	
87-90	Diseases of the heart	209, 370	132. 1	158. 8	159. 3	175. 3	178. 1	185. 5	199. 1	223. 5	221. 4	234. 2	251. 4	
99, 100	Bronchitis and bronchopneumonia	53, 109	67. 6	70. 5	67. 9	56. 7	48. 2	45. 1	50. 5	65. 6	53. 6	51. 7	61. 2	
113, 114	Diarrhea and enteritis	35, 296	133. 2	117. 4	54. 4	39. 9	34. 8	39. 3	33. 6	34. 2	28. 0	31. 4	25. 1	
117	Appendicitis and typhilitis	15, 751	9. 7	11. 4	13. 4	14. 8	14. 9	15. 1	15. 0	14. 6	15. 1	15. 2	14. 9	
118	Hernia, intestinal obstruction	11, 734	12. 2	12. 4	10. 4	10. 5	10. 6	10. 8	11. 2	10. 9	11. 0	10. 9	11. 5	
122	Cirrhosis of the liver	7, 591	12. 9	13. 9	7. 1	7. 2	7. 4	7. 3	7. 2	7. 7	8. 1	8. 2	8. 1	
128, 129	Acute and chronic nephritis	103, 332	89. 9	99. 1	89. 4	90. 1	89. 6	96. 3	98. 3	96. 3	93. 1	101. 4	108. 6	
146	Puerperal septicemia	5, 518	5. 7	7. 2	6. 6	5. 8	5. 8	5. 5	5. 2	5. 1	5. 3	4. 9	4. 7	
143-145 147-150	Other puerperal causes	9, 540	7. 6	8. 5	12. 6	9. 7	9. 7	9. 3	9. 1	8. 5	8. 5	8. 0	7. 6	
159-163	Congenital malformations and diseases of early infancy	75, 239	91. 8	88. 1	84. 9	78. 0	78. 3	73. 9	71. 5	82. 2	81. 3	75. 9	72. 2	
165-174	Suicide	13, 410	11. 5	16. 0	10. 2	11. 6	12. 2	12. 1	12. 8	12. 9	13. 0	12. 1	12. 4	
197-200	Homicide	9, 210	2. 1	5. 9	7. 1	8. 1	8. 5	8. 6	8. 8	4. 6	5. 1	5. 0	5. 1	
188c 175-188b	Automobile accidents	18, 871	(?)	1. 8	10. 4	14. 9	15. 7	17. 0	17. 9	17. 0	18. 2	19. 2	19. 5	
189d-196	Accidental and unspecified external causes	63, 844	79. 0	82. 6	61. 0	61. 5	60. 7	61. 3	60. 7	61. 6	59. 0	60. 3	58. 8	

<sup>1</sup> Exclusive of stillbirths

<sup>2</sup> Includes ulcer of the duodenum from 1900 to 1920.

<sup>3</sup> Includes adhesions of intestines from 1900 to 1920.

<sup>4</sup> Excludes collisions with railroad trains and street cars.

Source: Bureau of the Census, Department of Commerce.

<sup>5</sup> Not separately tabulated.

**No. 85.—BIRTHS, DEATHS, AND DEATHS UNDER 1 YEAR OF AGE IN THE  
BIRTH REGISTRATION AREA: By Sex**

Year	Entire area							
	Population of registration area <sup>1</sup>	Births <sup>2</sup>			Deaths <sup>3</sup>			Excess of births over deaths
		Total	Males	Females	Total	Males	Females	
1917.....	54,771,416	1,353,792	696,101	657,691	776,222	422,359	353,863	577,570
1918.....	55,515,341	1,363,649	701,164	662,485	996,627	534,720	461,907	367,022
1919.....	61,483,423	1,373,438	705,593	667,845	798,104	422,252	375,852	578,334
1920.....	63,659,441	1,506,874	775,322	733,552	836,134	438,201	397,933	672,740
1921.....	70,425,705	1,714,261	881,591	832,670	825,511	434,019	391,492	888,750
1922.....	78,885,552	1,774,911	911,831	863,080	938,545	497,967	440,578	836,306
1923.....	79,952,425	1,792,646	921,020	871,626	992,237	528,429	463,808	800,409
1924.....	85,424,653	1,930,614	992,431	938,183	1,006,994	542,637	464,357	923,620
1925.....	87,636,000	1,878,880	966,973	911,907	1,030,518	555,267	475,251	848,363
1926.....	90,989,000	1,856,068	953,638	902,430	1,093,511	589,653	503,858	762,557

Year	Entire area					Area <sup>1</sup> as of 1917	
	Rates per 1,000 of total popu- lation			Number of males per 1,000 females		Rates per 1,000 of total population	
	Births <sup>2</sup>	Deaths <sup>3</sup>	Excess of births	Among births	Among deaths	Births <sup>2</sup>	Deaths <sup>3</sup>
1917.....	24.7	14.2	10.5	1,058	1,200	24.7	14.2
1918.....	24.6	18.3	6.3	1,068	1,158	24.5	17.9
1919.....	22.3	13.0	9.3	1,067	1,123	22.6	12.9
1920.....	23.7	13.1	10.6	1,067	1,161	23.9	12.2
1921.....	24.3	11.7	12.6	1,059	1,109	24.6	11.7
1922.....	22.6	11.9	10.6	1,066	1,130	22.8	11.9
1923.....	22.4	12.4	10.0	1,067	1,139	22.8	12.5
1924.....	22.6	11.8	10.8	1,058	1,169	23.0	11.8
1925.....	21.4	11.9	9.6	1,080	1,168	21.7	11.9
1926.....	20.6	12.2	8.4	1,067	1,170	20.6	12.3

Year	Deaths <sup>2</sup> under 1 year of age in entire birth registration area						
	Number			Deaths per 1,000 births			Number of male deaths per 1,000 female deaths
	Total	Males	Females	Among total	Among males	Among females	
1917.....	126,960	72,193	54,768	94	104	83	1,316
1918.....	137,647	77,726	59,911	101	111	90	1,298
1919.....	119,000	67,580	51,420	87	96	77	1,314
1920.....	129,531	73,737	55,794	86	96	76	1,322
1921.....	129,588	73,582	56,006	76	84	67	1,314
1922.....	135,228	77,105	58,123	76	85	67	1,327
1923.....	138,259	78,309	59,950	77	85	69	1,306
1924.....	138,720	78,085	58,635	71	79	63	1,331
1925.....	134,652	76,902	57,750	72	90	63	1,322
1926.....	136,118	77,366	58,752	73	81	65	1,317

<sup>1</sup> Midyear estimates.<sup>2</sup> Exclusive of stillbirths.<sup>3</sup> Exclusive of Rhode Island.

Source: Bureau of the Census, Department of Commerce.

## No. 86.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: BY STATES

[NOTE.—The totals include more States each year than the year preceding. For number of deaths in each State see Table 81; for number in entire birth registration area see Table 85]

Area	Number of births <sup>1</sup>					Excess of births over deaths			
	1920	1923	1924	1925	1926	1923	1924	1925	1926
Total birth registration area.....	1, 508, 874	1, 792, 648	1, 930, 614	1, 878, 880	1, 856, 068	800, 409	923, 620	848, 362	768, 557
White.....	1, 395, 523	1, 644, 034	1, 762, 872	1, 731, 669	1, 707, 034	751, 777	866, 531	803, 481	722, 125
Colored.....	113, 351	148, 612	167, 742	147, 211	149, 034	48, 632	57, 089	44, 881	40, 432
Cities in birth registration area.....	763, 209	924, 877	979, 277	964, 302	953, 985	390, 692	442, 278	408, 352	364, 143
White.....	725, 136	872, 134	917, 231	902, 580	891, 646	383, 924	430, 322	397, 764	356, 396
Colored.....	38, 073	52, 743	62, 046	61, 722	62, 339	6, 768	11, 956	10, 588	7, 747
Rural part of birth registration area.....	745, 665	867, 769	951, 337	914, 578	902, 083	409, 717	481, 342	440, 010	398, 414
White.....	670, 387	771, 900	845, 641	829, 089	815, 388	367, 853	436, 209	405, 717	365, 729
Colored.....	75, 278	95, 869	105, 696	85, 489	86, 695	41, 864	45, 133	34, 293	32, 685
Arizona.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	8, 394	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2, 822
California.....	67, 199	80, 201	87, 003	85, 204	82, 986	25, 635	30, 171	28, 404	24, 072
Connecticut.....	34, 096	30, 731	31, 715	29, 736	29, 167	12, 996	14, 726	12, 056	10, 849
Delaware.....	( <sup>2</sup> )	4, 540	4, 420	4, 674	4, 199	1, 311	1, 405	1, 559	752
District of Columbia.....	8, 823	9, 006	9, 281	9, 107	8, 919	1, 901	2, 728	2, 092	1, 531
Florida.....	( <sup>2</sup> )	( <sup>2</sup> )	26, 776	29, 403	34, 786	( <sup>2</sup> )	10, 915	12, 541	14, 742
Idaho.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	9, 317	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5, 446
Illinois.....	( <sup>2</sup> )	131, 920	137, 118	135, 437	133, 939	50, 167	59, 985	53, 844	48, 608
Indiana.....	64, 809	65, 534	67, 842	64, 342	62, 788	26, 688	30, 680	25, 710	22, 772
Iowa.....	( <sup>2</sup> )	( <sup>2</sup> )	49, 188	47, 760	45, 714	( <sup>2</sup> )	25, 414	23, 466	20, 248
Kansas.....	39, 632	39, 162	37, 929	36, 716	35, 137	19, 389	20, 031	18, 135	16, 037
Kentucky.....	62, 888	64, 739	66, 646	63, 507	60, 591	35, 447	39, 840	35, 120	30, 639
Maine.....	17, 328	17, 588	18, 477	17, 453	16, 433	5, 923	7, 723	6, 661	5, 078
Maryland.....	36, 212	34, 679	34, 634	33, 864	32, 867	12, 568	13, 660	12, 236	10, 218
Massachusetts.....	91, 692	89, 209	91, 487	86, 037	83, 483	37, 043	42, 129	34, 316	30, 845
Michigan.....	92, 740	93, 066	98, 025	99, 220	98, 781	43, 719	50, 701	49, 801	44, 697
Minnesota.....	55, 909	56, 307	55, 713	53, 776	52, 451	39, 986	31, 134	28, 340	26, 648
Mississippi.....	( <sup>2</sup> )	42, 923	43, 631	45, 155	50, 840	22, 525	22, 483	23, 002	27, 074
Montana.....	( <sup>2</sup> )	10, 468	10, 212	10, 234	9, 845	5, 575	5, 242	5, 046	4, 450
Nebraska.....	30, 911	30, 209	30, 066	29, 233	28, 284	17, 577	17, 678	16, 740	15, 636
New Hampshire.....	9, 946	9, 309	10, 111	9, 407	8, 721	2, 562	3, 754	2, 844	2, 018
New Jersey.....	( <sup>2</sup> )	74, 689	76, 707	74, 181	72, 402	33, 197	35, 867	31, 989	27, 526
New York.....	235, 243	230, 349	233, 206	229, 717	222, 914	89, 264	93, 001	87, 217	71, 569
North Carolina.....	81, 407	84, 158	87, 540	83, 716	82, 202	52, 016	54, 302	51, 168	47, 640
North Dakota.....	( <sup>2</sup> )	( <sup>2</sup> )	14, 231	14, 471	14, 903	( <sup>2</sup> )	9, 379	9, 426	9, 590
Ohio.....	123, 729	128, 649	131, 841	126, 878	123, 889	53, 595	61, 891	53, 271	45, 194
Oregon.....	14, 942	14, 987	15, 705	15, 486	14, 754	5, 977	6, 200	5, 857	4, 897
Pennsylvania.....	220, 462	217, 235	223, 103	215, 120	207, 696	96, 613	109, 782	99, 375	87, 159
Rhode Island.....	( <sup>2</sup> )	14, 442	14, 987	14, 400	13, 592	5, 820	6, 650	6, 174	4, 801
South Carolina.....	47, 777	44, 271	47, 403	( <sup>2</sup> )	( <sup>2</sup> )	23, 604	24, 508	( <sup>2</sup> )	( <sup>2</sup> )
Utah.....	14, 157	13, 650	13, 969	13, 735	13, 156	9, 137	8, 921	9, 251	8, 020
Vermont.....	7, 409	7, 330	7, 407	7, 509	7, 143	1, 966	2, 547	2, 372	1, 928
Virginia.....	65, 794	64, 255	64, 286	61, 193	57, 796	33, 495	35, 111	31, 850	26, 978
Washington.....	27, 072	25, 259	25, 378	24, 741	23, 989	11, 403	10, 798	9, 461	8, 319
West Virginia.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	45, 311	43, 936	( <sup>2</sup> )	( <sup>2</sup> )	28, 157	25, 793
Wisconsin.....	58, 697	58, 831	59, 351	57, 324	55, 666	29, 540	31, 101	27, 944	25, 475
Wyoming.....	( <sup>2</sup> )	4, 950	5, 226	4, 833	4, 388	2, 770	3, 163	2, 937	2, 486

<sup>1</sup> Exclusive of stillbirths.

<sup>2</sup> Not added to the registration area until a later date.

<sup>3</sup> Not in the birth registration area in 1925 and 1926.

Source: Bureau of the Census, Department of Commerce.

### No. 87.—BIRTHS, DEATHS, AND EXCESS OF BIRTHS OVER DEATHS: RATES PER 1,000 POPULATION IN THE BIRTH REGISTRATION AREA

[NOTE.—The changes in States covered affect very slightly the comparability of the rates for the area as a whole. Stillbirths are excluded]

	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926
<b>Total:</b>										
Births.....	24.7	24.6	22.3	23.7	24.2	22.5	22.4	22.6	21.4	20.6
Deaths.....	14.2	13.3	12.0	12.1	11.7	11.9	12.4	11.8	11.6	12.2
Excess.....	10.5	11.3	10.3	11.6	12.5	10.6	10.0	10.8	9.8	8.4
<b>White:</b>										
Births.....	24.7	24.6	22.1	23.5	24.0	22.2	22.1	22.2	21.1	20.3
Deaths.....	12.8	12.8	12.6	12.8	11.4	11.6	12.0	11.3	11.3	11.7
Excess.....	11.9	11.8	9.5	10.7	12.6	10.6	10.1	10.9	9.8	8.6
<b>Colored:</b>										
Births.....	24.4	24.5	25.2	27.0	27.9	26.0	26.3	27.4	26.7	26.2
Deaths.....	21.3	20.8	18.6	18.4	15.9	16.3	17.7	18.1	18.6	19.1
Excess.....	3.1	3.7	6.7	8.6	12.0	9.7	8.6	9.3	8.1	7.1
<b>Cities:</b>										
Births.....	25.4	25.1	22.7	23.8	24.0	22.2	22.3	22.8	21.9	21.2
Deaths.....	15.3	15.9	13.8	14.0	12.2	12.4	12.9	12.5	12.6	13.1
Excess.....	10.1	9.2	8.9	9.8	11.8	9.8	9.4	10.3	9.3	8.1
<b>Rural:</b>										
Births.....	24.0	24.0	22.0	23.6	24.7	22.8	22.5	22.4	20.9	20.1
Deaths.....	13.1	12.7	12.2	12.2	11.2	11.3	11.9	11.1	10.9	11.2
Excess.....	10.9	11.3	9.8	11.4	13.5	11.5	10.6	11.3	10.0	8.9

<sup>1</sup> Excess of deaths over births.

### NO. 88.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: RATES PER 1,000 POPULATION, BY STATES

Area	Births (exclusive of stillbirths) per 1,000 population								Excess of births over deaths per 1,000 population				
	1919	1920	1921	1922	1923	1924	1925	1926	1922	1923	1924	1925	1926
Arizona.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	18.9	(1)	(1)	(1)	(1)	6.4
California.....	16.8	19.2	20.2	19.8	21.1	22.2	20.4	19.2	5.7	6.8	7.7	6.8	5.5
Connecticut.....	24.8	24.5	24.0	21.5	20.8	21.1	18.9	18.2	9.6	8.8	9.8	7.7	6.8
Delaware.....	(1)	(1)	22.4	20.6	19.7	19.0	19.6	17.5	7.4	5.7	6.0	6.5	3.1
District of Columbia.....	18.9	19.9	20.5	20.7	18.9	19.1	17.7	15.9	6.3	4.0	5.6	4.1	2.9
Florida.....	(1)	(1)	(1)	(1)	(1)	21.8	23.3	26.4	(1)	(1)	8.9	10.0	11.2
Idaho.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	17.8	(1)	(1)	(1)	(1)	10.4
Illinois.....	(1)	(1)	(1)	20.0	19.4	19.9	19.1	18.6	8.7	7.4	8.7	7.6	6.8
Indiana.....	20.3	22.0	23.0	21.4	21.7	22.3	20.8	20.1	9.5	8.8	10.1	8.3	7.3
Iowa.....	(1)	(1)	(1)	(1)	(1)	20.3	19.7	18.9	(1)	(1)	10.5	9.7	8.4
Kansas.....	20.6	22.3	23.3	21.6	21.8	21.0	20.3	19.3	11.0	10.8	11.1	10.1	8.8
Kentucky.....	24.0	24.0	27.6	25.4	26.2	26.9	25.3	24.0	14.6	14.4	16.1	14.0	12.1
Maine.....	20.2	22.5	22.9	22.6	22.6	23.7	22.2	20.8	7.9	7.6	9.9	8.5	6.4
Maryland.....	23.6	24.8	25.1	23.2	23.0	22.8	21.7	20.8	9.6	8.3	9.0	7.8	6.5
Massachusetts.....	22.9	23.6	23.5	22.1	22.1	22.3	20.8	19.9	9.3	9.1	10.3	8.3	7.4
Michigan.....	23.2	25.0	25.3	23.2	23.4	24.1	23.2	22.5	11.9	11.0	12.5	11.7	10.2
Minnesota.....	21.0	23.3	23.8	23.1	23.5	22.0	20.6	19.8	13.6	12.4	12.3	10.9	10.1
Mississippi.....	(1)	(1)	25.8	24.3	24.0	24.4	25.2	28.4	13.5	12.6	12.6	12.8	15.1
Montana.....	(1)	(1)	(1)	19.3	17.1	15.2	15.2	14.2	9.7	9.1	8.3	7.5	6.4
Nebraska.....	(1)	22.7	24.5	23.5	22.6	22.4	21.3	20.4	14.1	13.1	13.2	12.2	11.3
New Hampshire.....	19.8	22.4	22.8	21.9	20.8	22.5	20.8	19.2	7.3	5.7	6.3	6.3	4.4
New Jersey.....	(1)	(1)	24.1	22.5	22.1	22.3	20.6	19.7	10.3	9.8	10.4	8.9	7.5
New York.....	21.9	22.5	22.7	21.6	21.2	21.1	20.6	19.7	8.6	8.2	8.4	7.8	6.3
North Carolina.....	29.1	31.6	33.8	30.9	31.3	32.2	28.8	28.8	19.3	19.3	20.0	18.2	16.7
North Dakota.....	(1)	(1)	(1)	(1)	(1)	21.0	22.6	22.2	(1)	(1)	14.6	14.7	14.9
Ohio.....	19.8	21.3	21.9	20.4	21.0	21.2	19.6	18.8	9.1	8.7	10.0	8.2	6.9
Oregon.....	17.4	18.0	19.3	18.4	18.2	16.8	17.9	16.8	6.9	7.3	7.4	6.7	5.6
Pennsylvania.....	24.0	25.1	25.8	23.8	23.9	24.2	21.7	21.6	11.5	10.6	11.9	10.5	9.1
Rhode Island.....	(1)	(1)	23.6	23.1	23.0	22.4	21.2	19.6	10.0	9.2	9.9	9.1	6.9
South Carolina.....	26.6	28.2	29.5	26.9	25.4	26.9	(1)	(1)	14.9	13.6	13.9	(1)	(1)
Utah.....	29.3	31.2	31.6	29.6	28.6	26.8	27.3	25.6	19.2	19.1	18.4	18.4	15.6
Vermont.....	19.9	21.0	22.5	21.3	20.8	21.0	21.3	20.3	6.4	5.6	7.2	6.7	5.5
Virginia.....	26.5	28.3	29.9	27.3	26.8	26.5	24.6	23.9	15.2	14.0	14.5	12.8	10.7
Washington.....	18.7	19.8	19.6	18.0	17.6	17.4	16.4	15.6	7.0	7.9	7.4	6.3	5.4
West Virginia.....	(1)	(1)	(1)	(1)	(1)	(1)	27.7	26.3	(1)	(1)	(1)	17.2	15.4
Wisconsin.....	20.9	22.2	23.0	21.4	21.5	21.4	20.1	19.3	11.3	10.6	11.2	9.8	8.8
Wyoming.....	(1)	(1)	(1)	25.1	23.4	24.1	21.1	18.6	15.8	13.1	14.6	12.8	10.5

<sup>1</sup> Not added to the birth registration area until a later date.

<sup>2</sup> Not in the birth registration area in 1919 and 1920.

<sup>3</sup> Not in the birth registration area in 1925 and 1926.

Source of Tables 87 and 88: Bureau of the Census, Department of Commerce.

## No. 89.—BIRTHS AND STILLBIRTHS, BY LEGITIMACY: BY STATES, 1926

Area	Births <sup>1</sup>			Stillbirths			Stillbirths per 100 births		
	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate
<b>Total birth registration area <sup>2</sup></b>	<b>1,689,599</b>	<b>1,649,132</b>	<b>40,467</b>	<b>65,377</b>	<b>61,988</b>	<b>3,391</b>	<b>3.9</b>	<b>3.8</b>	<b>8.4</b>
White	1,547,719	1,523,945	23,774	54,708	53,135	1,573	3.5	3.5	6.6
Colored	141,880	125,187	16,693	10,669	8,851	1,818	7.5	7.1	10.9
Arizona	8,394	8,252	142	245	237	8	2.9	2.9	5.6
Connecticut	29,167	28,750	417	1,067	1,047	20	3.7	3.6	4.8
Delaware	4,199	3,993	206	188	169	19	4.5	4.2	9.2
District of Columbia	8,919	8,361	558	444	390	54	5.0	4.7	9.7
White	6,060	5,940	120	219	213	6	3.6	3.6	5.0
Colored	2,859	2,421	438	225	177	48	7.9	7.3	11.0
Florida	34,786	33,388	1,398	2,286	2,086	200	6.6	6.2	14.3
White	24,885	24,552	333	1,097	1,072	25	4.4	4.4	7.5
Colored	9,901	8,836	1,065	1,189	1,014	175	12.0	11.5	16.4
Idaho	9,317	9,222	95	245	242	3	2.6	2.6	3.2
Illinois	133,939	131,878	2,061	4,879	4,757	122	3.6	3.6	5.9
Indiana	62,788	61,932	856	1,922	1,863	59	3.1	3.0	6.9
Iowa	45,714	45,069	645	1,260	1,226	34	2.8	2.7	5.3
Kansas	35,137	34,653	484	1,173	1,127	46	3.3	3.3	9.5
Kentucky	60,591	59,444	1,147	1,908	1,806	102	3.1	3.0	8.9
White	56,449	55,740	709	1,627	1,579	48	2.9	2.8	6.8
Colored	4,142	3,704	438	281	227	54	6.8	6.1	12.3
Maine	16,433	16,060	373	669	635	34	4.1	4.0	9.1
Maryland	32,867	31,068	1,799	2,248	1,988	260	6.8	6.4	14.5
White	26,151	25,660	491	1,544	1,467	77	5.9	5.7	15.7
Colored	6,716	5,408	1,308	704	521	183	10.5	9.6	14.0
Michigan	98,781	96,997	1,784	3,786	3,640	146	3.8	3.8	8.2
Minnesota	52,451	51,445	1,006	1,650	1,598	52	3.1	3.1	5.2
Mississippi	50,840	47,163	3,677	2,632	2,286	346	5.2	4.8	9.4
White	24,860	24,620	240	820	809	11	3.3	3.3	4.6
Colored	25,980	22,543	3,437	1,812	1,477	335	7.0	6.6	9.7
Montana	9,845	9,710	135	313	312	1	3.2	3.2	.7
Nebraska	28,284	27,790	494	924	904	20	3.3	3.3	4.0
New Hampshire	8,721	8,606	115	351	341	10	4.0	4.0	8.7
New Jersey	72,402	71,399	1,003	2,953	2,849	104	4.1	4.0	10.4
New York	222,914	220,023	2,891	9,445	9,224	221	4.2	4.2	7.6
North Carolina	82,202	77,270	4,932	3,689	3,220	469	4.5	4.2	9.5
White	56,584	55,473	1,111	1,819	1,749	70	3.2	3.2	6.3
Colored	25,618	21,797	3,821	1,870	1,471	399	7.3	6.7	10.4
North Dakota	14,903	14,635	268	405	393	12	2.7	2.7	4.5
Ohio	123,889	121,537	2,352	4,675	4,504	171	3.8	3.7	7.3
Oregon	14,754	14,548	206	471	467	4	3.2	3.2	1.9
Pennsylvania	207,696	202,883	4,813	7,830	7,472	358	3.8	3.7	7.4
Rhode Island	13,592	13,366	226	494	481	13	3.6	3.6	5.8
Utah	13,156	13,029	127	309	301	8	2.3	2.3	6.3
Vermont	7,143	6,995	148	227	211	16	3.2	3.0	10.8
Virginia	57,796	54,509	3,287	2,546	2,232	314	4.4	4.1	9.6
White	40,318	39,535	783	1,296	1,248	48	3.2	3.2	6.1
Colored	17,478	14,974	2,504	1,250	984	266	7.2	6.6	10.6
Washington	23,989	23,655	334	719	698	21	3.0	3.0	6.3
West Virginia	43,936	42,555	1,381	1,676	1,579	97	3.8	3.7	7.0
Wisconsin	55,666	54,612	1,054	1,611	1,565	46	2.9	2.9	4.4
Wyoming	4,388	4,335	53	137	136	1	3.1	3.1	1.9

<sup>1</sup> Exclusive of stillbirths.<sup>2</sup> Exclusive of California and Massachusetts. These States do not require a statement of legitimacy of child.

Source: Bureau of the Census, Department of Commerce.

**No. 90.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: RATES PER 1,000 BIRTHS, BY PRINCIPAL CAUSES, FOR THE BIRTH REGISTRATION AREA**

Cause of death	Deaths under 1 year of age per 1,000 births <sup>1</sup>												
	Entire registration area							Registration area as of 1917 (exclusive of Rhode Island)					
	1920	1921	1922	1923	1924	1925	1926	1920	1922	1924	1925	1926	
All causes under 1 year of age	85.3	75.6	75.3	77.1	70.8	71.7	73.3	86.1	77.3	70.8	72.3	75.1	
Measles	1.0	.5	.6	1.2	.8	.3	1.1	1.0	1.3	.7	.4	1.2	
Scarlet fever	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	(?)	
Whooping cough	3.0	2.2	1.4	2.4	2.1	1.8	2.3	3.0	2.4	2.1	1.6	2.4	
Diphtheria <sup>2</sup>	.5	.4	.5	.4	.3	.3	.2	.5	.4	.3	.3	.2	
Influenza and pneumonia	5.9	3.0	4.7	5.1	3.9	4.4	5.3	5.7	3.0	3.8	4.4	5.4	
Dysentery	.4	.4	.3	.3	.3	.3	.3	.3	.3	.2	.3	.3	
Erysipelas	.4	.4	.4	.4	.4	.3	.4	.4	.4	.4	.4	.4	
Tetanus	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	(?)	(?)	
Tuberculosis (all forms)	1.0	.9	.9	.8	.6	.6	.6	1.0	.8	.7	.7	.7	
Syphilis	.9	.9	.8	.8	.7	.7	.6	.8	.7	.6	.7	.6	
Convulsions	1.0	.9	.8	.7	.7	.7	.6	1.0	.8	.8	.7	.6	
Bronchitis and broncho-pneumonia	9.8	7.2	9.0	8.8	7.8	7.7	8.6	10.1	9.1	8.2	8.0	9.4	
Diseases of the stomach <sup>3</sup>	1.2	1.0	.8	.6	.7	.6	.5	1.1	.7	.6	.6	.5	
Diarrhea and enteritis <sup>4</sup>	14.9	12.5	11.7	11.5	9.2	11.2	9.7	15.2	11.3	9.0	11.2	9.6	
Congenital malformations	6.2	6.1	6.3	6.3	6.1	6.2	6.2	6.4	6.5	6.2	6.3	6.3	
Congenital debility and other diseases of early infancy	7.7	7.1	6.4	6.5	6.0	5.9	5.5	7.7	6.8	6.1	6.1	5.6	
Premature birth	12.4	17.9	18.1	17.8	17.7	17.2	17.7	19.1	17.9	17.8	17.6	18.3	
Injury at birth	3.7	4.2	4.5	4.6	4.8	4.9	4.9	3.9	4.5	4.3	4.6	4.9	
External causes	1.0	1.0	.9	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1	
Unknown or ill-defined diseases	2.5	2.6	2.6	2.4	2.4	2.2	2.3	2.5	2.2	2.2	2.0	2.1	
All other causes	5.4	5.1	5.3	5.0	5.0	5.2	5.1	5.3	5.2	5.1	5.4	5.3	

<sup>1</sup> Exclusive of stillbirths.

<sup>2</sup> Less than one-tenth of 1 per 1,000 births.

<sup>3</sup> Includes croup in 1920.

<sup>4</sup> Excludes ulcer of the duodenum in 1920.

<sup>5</sup> Excludes ulcer of the duodenum in 1920.

Source: Bureau of the Census, Department of Commerce.

**No. 91.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: RATES PER 1,000 BIRTHS ACCORDING TO AGE SUBDIVISIONS, FOR THE ENTIRE BIRTH REGISTRATION AREA AND FOR THE REGISTRATION AREA<sup>1</sup> AS OF 1917**

Age	Deaths under 1 year of age per 1,000 births <sup>1</sup>												
	Entire registration area							Registration area as of 1917 <sup>1</sup>					
	1920	1921	1922	1923	1924	1925	1926	1920	1922	1924	1925	1926	
Total under 1 year	85.3	75.6	75.3	77.1	70.8	71.7	73.3	86.1	77.3	70.8	72.3	75.1	
Under 1 day	14.8	14.5	14.9	14.7	14.6	15.0	15.2	14.8	14.7	14.8	15.0	15.3	
1 day	4.6	4.4	4.4	4.4	4.2	4.2	4.2	4.6	4.4	4.2	4.3	4.3	
2 days	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.4	3.3	3.3	3.2	3.2	
3 to 6 days	6.4	6.3	6.4	6.1	6.2	5.8	5.7	6.4	6.2	6.2	5.9	5.9	
1 week	5.4	5.0	4.9	4.9	4.6	4.4	4.3	5.4	5.0	4.6	4.5	4.4	
2 weeks	3.8	3.4	3.3	3.4	2.9	2.9	3.0	3.8	3.5	3.0	3.0	3.1	
3 weeks	3.1	2.7	2.6	2.7	2.5	2.3	2.4	3.1	2.7	2.5	2.4	2.5	
Under 1 month	41.5	39.7	39.7	39.5	38.6	37.6	37.9	41.5	39.8	38.7	38.3	38.6	
1 month	7.3	6.3	6.2	6.4	5.8	5.8	6.0	7.2	6.5	5.8	5.9	6.2	
2 months	5.7	4.9	4.6	4.9	4.4	4.6	4.7	5.7	4.9	4.4	4.7	4.7	
3 to 5 months	12.1	10.9	10.7	11.2	9.5	10.3	10.4	13.2	11.0	9.5	10.5	10.6	
6 to 8 months	10.0	7.8	8.2	8.4	6.9	7.5	7.9	10.1	8.4	6.8	7.6	8.2	
9 to 11 months	8.3	6.0	6.6	6.8	5.6	6.8	6.8	8.5	6.7	5.6	5.9	6.8	

<sup>1</sup> Exclusive of Rhode Island.

<sup>2</sup> Exclusive of stillbirths.

Source: Bureau of the Census, Department of Commerce.

**No. 92.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: NUMBER AND RATES,  
BY STATES, FOR THE BIRTH REGISTRATION AREA**

Class or State	Number of infant deaths <sup>1</sup>		Deaths of infants under 1 year of age per 1,000 births <sup>1</sup>						
	1925	1923	1920	1921	1922	1923	1924	1925	1926
<b>Total birth registration area</b> .....	134, 652	136, 118	86	76	76	77	71	72	73
White.....	118, 345	119, 449	82	72	73	73	67	68	70
Colored.....	16, 307	16, 669	132	108	110	117	113	111	112
<b>Cities (total)</b> .....	70, 366	70, 784	91	78	80	78	72	73	74
White.....	62, 648	62, 852	87	75	77	75	69	69	71
Colored.....	7, 718	7, 932	158	128	127	138	127	125	127
<b>Rural part (total)</b> .....	64, 286	65, 334	81	74	72	76	69	70	72
White.....	55, 697	56, 597	76	70	69	72	65	67	69
Colored.....	8, 589	8, 737	118	100	102	106	105	101	101
Arizona.....	( <sup>2</sup> )	1, 017	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	121
California.....	5, 855	5, 202	74	66	71	73	67	69	63
Connecticut.....	2, 179	2, 102	92	73	77	77	69	73	72
Delaware.....	423	392	( <sup>2</sup> )	98	100	104	95	91	93
District of Columbia.....	796	758	91	83	85	92	76	87	85
Florida.....	2, 181	2, 602	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	82	74	75
Idaho.....	( <sup>2</sup> )	587	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	63
Illinois.....	9, 822	9, 294	( <sup>2</sup> )	( <sup>2</sup> )	76	82	71	73	69
Indiana.....	4, 370	4, 543	82	71	67	71	65	68	72
Iowa.....	2, 673	2, 683	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	55	56	59
Kansas.....	2, 266	2, 293	73	63	65	63	59	62	65
Kentucky.....	4, 480	4, 574	73	62	69	72	65	71	76
Maine.....	1, 332	1, 314	102	88	86	89	81	76	80
Maryland.....	3, 048	2, 863	104	94	94	95	86	90	87
Massachusetts.....	6, 280	6, 102	91	76	81	78	68	73	73
Michigan.....	7, 474	7, 623	92	79	75	80	72	75	77
Minnesota.....	3, 242	3, 019	66	59	58	62	57	60	58
Mississippi.....	3, 092	3, 558	( <sup>2</sup> )	68	68	68	71	69	70
Montana.....	726	757	( <sup>2</sup> )	( <sup>2</sup> )	70	72	67	71	77
Nebraska.....	1, 687	1, 673	64	59	57	57	55	58	59
New Hampshire.....	717	686	88	87	80	93	80	76	79
New Jersey.....	5, 112	5, 076	( <sup>2</sup> )	74	79	72	70	69	70
New York.....	15, 527	15, 721	86	75	77	72	69	68	71
North Carolina.....	6, 595	6, 769	85	75	80	81	82	79	82
North Dakota.....	1, 036	1, 032	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	67	72	69
Ohio.....	8, 832	9, 407	83	75	72	75	67	70	76
Oregon.....	792	774	62	51	58	57	54	51	53
Pennsylvania.....	17, 640	17, 122	97	88	88	90	79	82	82
Rhode Island.....	1, 049	1, 114	( <sup>2</sup> )	93	85	94	80	73	82
South Carolina.....	( <sup>4</sup> )	( <sup>4</sup> )	116	96	93	96	102	( <sup>4</sup> )	( <sup>4</sup> )
Utah.....	766	986	71	73	69	59	64	56	75
Vermont.....	544	514	96	78	73	76	70	72	72
Virginia.....	4, 944	4, 836	84	79	77	84	78	81	84
Washington.....	1, 395	1, 352	66	55	62	57	56	56	56
West Virginia.....	3, 614	3, 595	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	80	82
Wisconsin.....	3, 854	3, 845	77	72	71	70	65	67	69
Wyoming.....	309	333	( <sup>2</sup> )	( <sup>2</sup> )	79	80	64	64	76
<b>Total for area having birth   registration in 1917 <sup>5</sup></b> .....	96, 281	96, 429	86	76	77	77	71	73	75

<sup>1</sup> Exclusive of stillbirths.

<sup>2</sup> Not added to the registration area until a later date.

<sup>3</sup> Not in the birth registration area in 1920.

<sup>4</sup> Not in the birth registration area in 1925 and 1926.

<sup>5</sup> Exclusive of Rhode Island.

Source: Bureau of the Census, Department of Commerce.



**No. 93.—HOMICIDES AND SUICIDES: NUMBER AND RATE IN CITIES HAVING 100,000 POPULATION OR MORE IN 1900**

Year	Estimated population, July 1	Homicides		Suicides	
		Number	Rate per 100,000 population	Number	Rate per 100,000 population
1900	14,133,377	481	3.4	2,099	14.9
1901	14,899,009	507	3.4	2,487	16.7
1902	15,286,581	636	4.2	2,738	18.0
1903	15,670,701	723	4.6	2,998	19.1
1904	16,104,214	963	6.1	3,126	19.4
1905	16,594,107	1,169	7.2	2,981	18.0
1906	17,072,832	1,455	8.5	3,319	19.4
1907	17,541,214	1,401	8.0	3,967	22.6
1908	18,018,210	1,252	6.9	3,772	20.9
1909	18,522,956	1,479	8.0	3,743	20.2
1910	18,958,147	1,505	7.9	3,690	20.5
1911	19,413,308	1,504	7.7	3,868	19.9
1912	19,847,428	1,702	8.6	3,957	19.9
1913	20,273,425	1,715	8.5	4,331	21.5
1914	20,729,640	1,698	8.2	4,455	21.5
1915	21,021,720	1,786	8.5	3,992	18.5
1916	21,616,460	2,061	9.5	3,816	17.7
1917	22,038,800	1,865	8.5	3,361	15.2
1918	22,563,206	2,008	8.9	3,229	14.3
1919	22,996,227	1,930	8.4	2,910	12.7
1920	23,330,469	2,168	9.3	3,731	16.0
1921	23,716,781	2,211	9.3	3,626	15.3
1922	24,151,360	2,435	10.1	3,692	15.3
1923	24,570,289	2,682	10.9	3,855	15.7
1924	24,979,551	2,806	11.2	4,000	16.0
1925	25,387,577	2,715	10.7	4,264	16.8

<sup>1</sup> Excludes Memphis, Tenn.

**No. 94.—MARRIAGES AND DIVORCES: NUMBER AND RATIO OF DIVORCES TO MARRIAGES, CONTINENTAL UNITED STATES**

[NOTE — Statistics for annulments were collected for the first time in 1923; 3,625 annulments were reported representing 1 marriage annulled to every 47.3 marriages terminated by divorce]

Calendar year	Marriages, number	Divorces				Number of di- vorces per 1,000 mar- riages	
		Total number	Granted to husband		Granted to wife		
			Number	Per cent	Number		Per cent
1900	531,457	31,735	11,128	35.1	20,609	64.9	60
1901	542,537	33,461	11,625	34.7	21,836	65.3	62
1902	562,412	35,540	12,478	35.1	23,062	64.9	63
1903	577,870	36,579	12,577	34.4	24,002	65.6	63
1904	578,673	37,468	12,590	33.6	24,878	66.4	65
1905	586,161	37,568	12,551	33.4	25,017	66.6	66
1906	598,855	40,387	13,456	33.3	26,931	66.7	67
1907	613,873	42,937	14,448	33.6	28,489	66.4	70
1908	622,350	44,699	14,765	33.0	29,934	67.0	72
1909	625,655	47,849	15,968	33.4	31,881	66.6	76
1910	650,610	51,437	16,925	32.9	34,512	67.1	79
1911	685,284	55,751	18,620	33.4	37,131	66.6	81
1912	716,621	60,064	20,008	32.8	40,056	67.2	85
1913	746,733	61,460	20,636	32.6	41,424	67.4	82
1914	786,132	64,925	21,321	32.8	43,604	67.2	83
1915	781,145	66,199	22,169	33.5	44,030	66.5	85
1916	804,787	67,976	22,220	32.7	45,756	67.3	84
1917	853,290	72,062	23,455	32.5	48,607	67.5	84
1918	1,040,684	112,034	33,809	31.1	74,803	68.9	108
1919	1,134,151	148,813	47,359	32.0	100,416	68.0	131
1920	1,229,784	165,096	52,999	32.2	111,460	67.8	134
1921	1,184,574	170,952	52,964	31.5	115,328	68.5	144
1922	1,188,334	175,449	52,147	30.1	121,333	69.9	148
1923	1,202,574	180,833	52,834	29.5	126,503	70.5	150

<sup>1</sup> Includes divorces for which the libellant was not reported. Percentages, however, are based on the total number for which libellant was reported.

Source of Tables 93 and 94 Bureau of the Census, Department of Commerce.

## No. 95.—MARRIAGES, DIVORCES, AND ANNULMENTS: BY STATES

Division and State	Marriages				Divorces				Number of divorces per 1,000 marriages		Num-ber of annul-ments, 1926
	Number		Per 1,000 of the popula-tion <sup>1</sup>		Number		Per 1,000 of the popula-tion <sup>1</sup>		1925	1926	
	1925	1926	1925	1926	1925	1926	1925	1926			
Continental United States.....	1,168,334	1,202,574	10.2	10.3	175,449	180,233	1.52	1.54	148	160	1,525
New England..	60,969	61,999	7.9	7.7	7,508	7,459	.94	.93	119	120	110
Maine.....	5,224	5,376	7.9	8.1	1,230	1,213	1.56	1.54	198	190	13
New Hampshire..	4,571	4,620	10.1	10.2	655	608	1.45	1.34	143	132	9
Vermont.....	2,972	2,805	8.4	8.0	362	367	1.03	1.13	122	142	4
Massachusetts....	31,238	30,584	7.5	7.3	3,332	3,307	.80	.79	107	106	66
Rhode Island.....	5,635	5,329	8.3	7.7	692	702	1.02	1.01	123	122	1
Connecticut.....	12,209	12,266	7.8	7.6	1,231	1,232	.78	.77	100	100	17
Middle Atlantic	214,061	221,611	8.8	9.0	14,976	14,924	.62	.61	70	67	1,061
New York.....	115,296	120,965	10.3	10.7	4,611	4,674	.41	.41	40	39	964
New Jersey.....	27,672	28,424	7.7	7.7	2,338	2,544	.65	.69	84	90	63
Pennsylvania....	71,093	72,222	7.5	7.5	8,027	7,706	.86	.80	113	107	34
East North Central	231,478	234,527	9.7	9.7	46,898	47,820	1.97	1.96	303	304	479
Ohio.....	52,317	55,147	8.1	8.4	13,686	13,976	2.11	2.12	261	253	45
Indiana.....	36,828	40,409	11.9	12.9	7,463	7,685	2.41	2.46	203	190	82
Illinois.....	79,964	82,529	11.3	11.5	13,822	14,125	1.96	1.96	173	171	204
Michigan.....	46,276	39,788	10.8	9.1	9,541	9,648	2.23	2.19	206	242	101
Wisconsin.....	16,094	16,654	5.7	5.8	2,401	2,386	.84	.83	149	143	44
West North Central	124,446	122,378	9.6	9.3	22,905	22,947	1.71	1.75	178	183	146
Minnesota.....	23,654	23,712	9.1	8.9	2,673	2,784	1.02	1.05	113	117	21
Iowa.....	21,924	20,966	9.1	8.7	4,112	4,060	1.70	1.68	188	195	22
Missouri.....	38,949	37,722	11.2	10.8	9,438	9,836	2.71	2.81	242	261	35
North Dakota.....	4,377	3,958	6.8	6.2	439	483	.68	.75	—	122	6
South Dakota.....	5,589	6,004	9.7	8.7	686	589	1.01	.85	104	96	8
Nebraska.....	8,085	9,662	5.9	7.0	1,336	1,395	.97	1.01	165	144	30
Kansas.....	20,867	20,263	11.5	11.1	3,521	3,780	1.94	2.06	169	187	15
South Atlantic	171,180	178,866	11.1	11.2	13,781	14,934	.89	.95	80	85	179
Delaware.....	1,206	1,100	5.1	4.6	207	201	.87	.84	172	181	3
Maryland.....	25,447	25,831	16.3	16.3	1,614	1,883	1.03	1.19	63	72	7
Dist. of Columbia	5,653	5,514	11.0	10.4	159	96	.31	.18	28	17	22
Virginia.....	21,686	21,346	8.7	8.5	3,015	3,000	1.21	1.19	139	141	19
West Virginia.....	17,724	18,275	10.8	10.9	1,918	1,998	1.17	1.20	108	109	44
North Carolina.....	23,337	22,601	8.3	7.9	1,576	1,591	.56	.56	68	70	20
South Carolina.....	22,683	23,971	12.7	13.1	—	—	—	—	—	—	10
Georgia.....	28,095	28,484	9.1	9.1	2,656	2,153	.66	.69	78	76	38
Florida.....	25,169	28,446	19.9	21.6	3,187	4,012	2.52	3.05	127	141	9
East South Central	119,495	120,099	12.9	12.9	14,997	15,443	1.63	1.66	166	159	30
Kentucky.....	28,202	28,585	11.2	11.3	4,164	4,519	1.66	1.79	148	158	7
Tennessee.....	33,375	32,692	13.6	13.2	4,611	4,682	1.84	1.90	135	143	14
Alabama.....	29,706	30,103	11.9	11.9	3,428	3,477	1.37	1.38	115	116	12
Mississippi.....	28,212	28,712	15.8	16.0	2,894	2,765	1.62	1.54	103	96	—
West South Central	147,007	146,179	13.0	12.7	28,907	29,467	2.56	2.57	197	202	268
Arkansas.....	22,134	22,250	15.5	14.8	4,740	4,741	2.53	2.49	163	166	13
Louisiana.....	20,252	20,751	10.7	10.8	1,793	1,856	.94	.97	89	89	12
Oklahoma.....	27,883	27,276	12.2	11.6	7,242	7,398	3.16	3.16	260	271	130
Texas.....	69,738	69,902	12.4	12.2	15,120	15,472	2.90	2.91	217	221	103
Mountain	27,748	28,463	9.6	9.3	5,802	5,879	2.24	2.18	226	222	198
Montana.....	5,000	5,183	7.4	7.6	1,205	1,277	1.79	1.84	241	246	15
Idaho.....	4,194	4,404	8.3	8.4	919	921	1.51	1.76	219	209	21
Wyoming.....	1,636	1,911	8.4	8.1	688	645	3.00	2.73	355	338	7
Colorado.....	11,602	11,957	11.2	11.3	2,243	2,288	2.16	2.16	193	191	74
New Mexico.....	4,284	4,476	11.2	11.5	558	537	1.45	1.38	130	120	7
Arizona.....	3,922	4,077	9.2	9.2	877	876	2.05	1.97	224	215	10
Utah.....	5,688	5,427	11.3	10.4	1,029	1,011	2.04	1.97	161	—	38
Nevada.....	1,122	1,228	14.6	15.9	1,082	1,021	13.96	13.19	964	531	20
Pacific.....	60,610	61,559	12.9	12.1	17,636	19,293	2.69	2.96	220	236	1,396
Washington.....	17,941	17,810	11.9	11.6	4,126	4,134	2.73	2.69	230	232	51
Oregon.....	6,069	7,066	8.1	8.1	2,896	3,094	2.34	3.52	413	435	35
California.....	55,060	56,664	13.2	13.1	10,624	12,065	2.54	2.80	193	213	1,294

<sup>1</sup> Based on estimated population for the given year shown in table 11, p. 8.

Source: Bureau of the Census, Department of Commerce.

## 4. IMMIGRATION AND EMIGRATION

IN COMPILING IMMIGRATION STATISTICS FOR THE UNITED STATES, ALASKA, HAWAII, AND PORTO RICO, BEGINNING 1904, 1901, 1898, RESPECTIVELY, WERE INCLUDED. IN PRIOR YEARS THE TRANSFER OF POPULATION BETWEEN THEM AND THE UNITED STATES WAS CONSIDERED IMMIGRATION.

### No. 96.—IMMIGRATION: 1821 TO 1927

[NOTE.—For 1821 to 1855 the figures represent alien passengers arriving; for 1856 to 1908, immigrants arriving; for 1904 to 1908, aliens admitted; for 1907 to date, immigrant aliens admitted. Data are for fiscal years ended June 30 except as noted; for periods they are totals, not annual averages.]

Period or year	Number	Year	Number	Year	Number	Year	Number
1821-1830 <sup>1</sup>	143, 439	1875.....	227, 498	1895.....	258, 536	1915.....	326, 700
1831-1840 <sup>1</sup>	590, 125	1876.....	169, 966	1896.....	343, 267	1916.....	293, 826
1841-1850 <sup>2</sup>	1, 712, 251	1877.....	141, 857	1897.....	230, 832	1917.....	296, 403
1851-1860 <sup>3</sup>	2, 511, 080	1878.....	139, 469	1898.....	229, 299	1918.....	110, 618
1861-1870.....	2, 377, 279	1879.....	177, 826	1899.....	311, 715	1919.....	141, 132
1871-1880.....	2, 812, 191	1880.....	457, 257	1900.....	448, 572	1920.....	430, 001
1881-1890.....	5, 246, 613	1881.....	669, 431	1901.....	487, 918	1921.....	805, 228
1891-1900.....	3, 687, 564	1882.....	768, 962	1902.....	548, 743	1922.....	309, 556
1901-1910.....	8, 795, 386	1883.....	603, 322	1903.....	857, 046	1923.....	522, 919
1911-1920.....	5, 735, 811	1884.....	518, 592	1904.....	812, 870	1924.....	706, 896
1900-1904.....	2, 265, 149	1885.....	395, 346	1905.....	1, 026, 499	1925.....	294, 314
1905-1909.....	4, 947, 239	1886.....	334, 203	1906.....	1, 100, 735	1926.....	304, 488
1910-1914.....	5, 174, 701	1887.....	490, 109	1907.....	1, 265, 349	1927.....	336, 175
1915-1919.....	1, 172, 679	1888.....	546, 889	1908.....	782, 870	Calendar years:	
1920-1924.....	2, 774, 600	1889.....	444, 427	1909.....	751, 786		
1870.....	287, 303	1890.....	455, 302	1910.....	1, 041, 570	1923.....	751, 060
1871.....	321, 350	1891.....	569, 319	1911.....	878, 587	1924.....	364, 770
1872.....	404, 806	1892.....	579, 663	1912.....	838, 172	1925.....	299, 725
1873.....	459, 803	1893.....	439, 730	1913.....	1, 197, 892	1926.....	338, 295
1874.....	313, 339	1894.....	285, 631	1914.....	1, 216, 480	1927.....	323, 885

<sup>1</sup> Oct. 1, 1820, to Sept. 30, 1830.

<sup>2</sup> Jan. 1, 1841, to Dec. 31, 1850.

<sup>3</sup> Oct. 1, 1830, to Dec. 31, 1840.

<sup>4</sup> Jan. 1, 1851, to June 30, 1860.

### No. 97.—ADMISSIONS AND DEPARTURES OF ALIENS

Period or year ended—	Admitted			Departed			Excess of admissions over departures	
	Immigrant	Nonimmigrant	Total	Emigrant	Nonemigrant	Total	Immigrant over emigrant	Total
June 30:								
1910-1914, total.	5, 174, 701	901, 069	6, 075, 800	1, 442, 892	1, 316, 702	2, 759, 594	3, 731, 909	3, 316, 146
1915-1919, total.	1, 172, 679	440, 064	1, 612, 743	618, 223	562, 638	1, 180, 860	654, 456	431, 884
1920-1924, total.	2, 774, 600	810, 352	3, 584, 952	892, 984	723, 824	1, 616, 808	1, 881, 616	1, 968, 144
1908.....	782, 870	141, 825	924, 695	395, 073	318, 755	714, 828	387, 797	309, 867
1909.....	751, 786	192, 449	944, 235	225, 802	174, 590	400, 392	525, 964	543, 843
1910.....	1, 041, 570	156, 467	1, 198, 037	202, 436	177, 982	380, 418	839, 134	817, 619
1911.....	878, 587	151, 713	1, 030, 300	295, 668	222, 549	518, 215	582, 921	512, 085
1912.....	838, 172	178, 983	1, 017, 155	333, 202	282, 080	615, 292	504, 910	401, 863
1913.....	1, 197, 892	229, 335	1, 427, 227	308, 190	303, 734	611, 924	898, 702	815, 308
1914.....	1, 216, 480	184, 601	1, 403, 081	303, 338	330, 467	633, 805	916, 142	769, 276
1915.....	326, 700	107, 544	434, 244	204, 074	180, 100	384, 174	122, 626	50, 070
1916.....	293, 826	67, 922	366, 748	129, 765	111, 042	240, 807	169, 061	125, 941
1917.....	295, 403	67, 474	362, 877	66, 277	80, 102	146, 379	229, 126	216, 498
1918.....	110, 618	101, 235	211, 853	94, 565	98, 683	193, 268	16, 063	18, 685
1919.....	141, 132	95, 889	237, 021	123, 522	92, 709	216, 231	17, 610	20, 790
1920.....	430, 001	191, 575	621, 576	288, 315	139, 747	428, 062	141, 686	193, 514
1921.....	805, 228	172, 935	978, 163	247, 718	178, 313	426, 031	557, 510	562, 132
1922.....	309, 556	122, 949	432, 505	198, 712	146, 672	345, 384	110, 844	87, 121
1923.....	522, 919	150, 487	673, 406	81, 450	119, 136	200, 586	441, 469	472, 820
1924.....	706, 896	172, 406	879, 302	78, 769	139, 956	216, 745	630, 107	662, 557
1925.....	294, 314	164, 121	458, 435	92, 728	132, 762	225, 490	201, 586	232, 945
1926.....	304, 488	191, 618	496, 106	76, 962	150, 763	227, 765	227, 496	208, 261
1927.....	336, 175	302, 826	638, 001	73, 366	180, 142	258, 508	261, 809	294, 493
Dec. 31:								
1925.....	309, 725	178, 979	489, 704	81, 689	136, 110	217, 799	308, 036	251, 905
1926.....	336, 295	204, 006	540, 300	73, 179	163, 271	236, 450	263, 116	303, 940
1927.....	323, 885	197, 010	520, 895	75, 122	193, 760	268, 872	248, 768	252, 023

Sources of Tables 96 and 97: Commissioner of Immigration, Department of Labor.

**No. 98.—IMMIGRANT ALIENS ADMITTED AND ALIENS DEBARRED AND DEPORTED: YEARS ENDED JUNE 30**

Period or year	Admitted	Debarred	Deported	Year	Admitted	Debarred	Deported
1900-1904, total	3,255,149	29,499	2,510	1918	110,618	7,257	1,569
1905-1909, total	4,947,239	58,688	6,709	1919	141,132	8,626	2,068
1910	1,041,570	24,270	2,695	1920	430,001	11,795	2,762
1911	878,587	22,349	2,788	1921	605,228	13,779	4,517
1912	838,172	16,057	2,456	1922	309,556	13,781	4,345
1913	1,197,892	19,938	3,461	1923	522,919	20,619	3,661
1914	1,218,480	33,041	4,610	1924	706,896	30,284	6,409
1915	326,700	24,111	2,564	1925	294,314	25,390	9,496
1916	296,826	18,867	2,781	1926	304,488	20,550	10,904
1917	295,403	16,028	1,853	1927	335,175	19,755	11,662

**No. 99.—IMMIGRANT ALIENS ADMITTED: BY OCCUPATION, AMOUNT OF MONEY BROUGHT, ETC., YEARS ENDED JUNE 30**

	1910-1914, total	1915-1919, total	1920-1924, total	1925	1926	1927
<b>Occupations:</b>						
Professional	62,124	41,808	79,309	10,481	10,861	11,542
Skilled	747,794	198,985	510,236	51,278	56,827	61,733
Unskilled	2,882,435	417,806	954,418	93,295	102,791	121,285
Commercial <sup>1</sup>	72,572	35,926	59,924	5,919	5,801	6,116
Miscellaneous	55,279	49,254	95,895	14,597	13,301	8,938
<b>Bringing—</b>						
Less than \$50	3,222,314	480,506	954,147	102,611	111,802	126,504
\$50 or more	674,931	378,449	822,386	111,827	119,879	131,446
Amount brought	\$171,406,417	\$84,870,011	\$171,466,508	\$22,357,977	\$25,182,429	\$21,821,063
<b>Passage paid by—</b>						
Self	3,460,555	708,655	1,569,835	153,020	171,164	200,088
Relative	1,657,869	429,701	1,123,827	135,769	128,075	130,813
Others	56,277	34,323	80,938	5,525	5,249	4,324
<b>Going to join—</b>						
Relative	4,169,633	756,897	2,132,479	224,824	220,243	246,791
Friend	705,468	173,946	277,995	28,256	27,962	30,867
No one	298,600	239,636	364,126	41,734	46,263	57,517

<sup>1</sup> Agents, bankers, hotel keepers, manufacturers, and merchants and dealers.

**No. 100.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DEPARTED, BY SEX AND AGE; AND ILLITERACY OF IMMIGRANTS: YEARS ENDED JUNE 30**

	1900- 1909, total	1910- 1914, total	1915- 1919, total	1920- 1924, total	1925	1926	1927
<b>ADMISSIONS</b>							
Total	8,803,388	6,174,701	1,172,679	3,774,600	708,896	894,314	304,488
Males	5,710,052	3,442,917	688,981	1,577,496	423,186	163,252	170,567
Females	2,492,336	1,731,784	483,798	1,197,104	285,710	131,062	133,921
Males per 1,000 females	4,580	1,988	1,424	1,318	1,492	1,246	1,274
Under 16 years <sup>1</sup>	992,656	657,825	195,241	516,293	132,264	50,722	47,347
16 to 44 years <sup>1</sup>	6,803,052	4,229,548	863,348	2,003,466	513,798	213,980	228,527
45 years and over	406,680	287,330	124,090	254,841	60,844	29,612	26,614
Illiterates, number <sup>2</sup>	1,924,786	1,143,266	116,749	75,231	10,575	1,030	2,904
Per cent	22.5	22.1	10.0	2.7	1.5	0.7	0.9
<b>DEPARTURES<sup>3</sup></b>							
Total		1,442,892	918,935	892,984	76,799	92,735	76,993
Males		1,163,750	495,643	682,170	57,313	70,865	54,969
Females		279,142	122,590	210,814	19,476	21,863	22,003
Males per 1,000 females		4,169	4,043	3,236	2,943	3,241	2,499
Under 16 years <sup>1</sup>		69,018	38,893	39,290	3,717	4,414	3,347
16 to 44 years <sup>1</sup>		1,217,753	488,282	635,960	54,544	66,408	57,966
45 years and over		156,121	91,066	217,724	18,528	19,911	15,659

<sup>1</sup> Prior to 1918 the division point is 14 years.

<sup>2</sup> Unable to read or write in any language.

<sup>3</sup> Not available prior to 1908.

Source of Tables 98, 99, and 100: Annual Reports of the Commissioner General of Immigration, Department of Labor.

# No. 101.—IMMIGRATION, BY COUNTRY OF LAST PERMANENT RESIDENCE, 1831 TO 1920

[NOTE.—For 1831 to 1867 figures represent alien passengers arriving; for 1868 to 1903, immigrants arriving; for 1904 to 1908, aliens admitted; thereafter, immigrant aliens admitted. Owing to changes in the lists of countries separately reported and to changes in boundaries, data for certain countries are not comparable throughout. For immigration since 1920, rendered incomparable in many cases by changes in boundaries, see Table 102. Data are totals (not annual averages) for periods ended June 30 since 1870, Dec. 31 theretofore, except as noted]

Country	1831-1840 <sup>1</sup>	1841-1850	1851-1860	1861-1870 <sup>2</sup>	1871-1880	1881-1890	1891-1900	1901-1910	1911-1920
<b>Total immigrants</b>	599, 125	1, 712, 251	2, 599, 214	2, 314, 824	2, 812, 191	5, 246, 613	3, 687, 564	8, 795, 386	5, 735, 811
<b>Total Europe</b> .....	494, 688	1, 597, 501	2, 452, 680	2, 085, 270	2, 272, 282	4, 737, 046	3, 558, 978	8, 136, 016	4, 376, 564
Austria-Hungary.....				7, 800	72, 969	353, 719	592, 707	2, 145, 266	896, 342
Belgium.....	22	5, 074	4, 738	6, 734	7, 221	20, 177	18, 167	41, 635	33, 746
Denmark.....	1, 063	539	3, 749	17, 094	31, 771	88, 132	50, 231	65, 285	41, 983
France.....	45, 575	77, 262	76, 358	35, 986	72, 206	50, 464	30, 770	73, 379	61, 897
Germany.....	152, 454	434, 626	951, 667	787, 468	718, 182	1, 452, 970	505, 152	341, 498	143, 945
Greece.....	49	16	31	72	210	2, 308	15, 979	167, 519	184, 201
Italy.....	2, 253	1, 870	9, 231	11, 725	55, 759	307, 309	651, 893	2, 045, 877	1, 109, 524
Netherlands.....	1, 412	8, 251	10, 789	9, 102	16, 541	53, 701	26, 758	48, 262	43, 718
Norway.....	1, 201	13, 903	20, 931	109, 298	95, 323	176, 586	95, 015	190, 505	66, 395
Sweden.....					115, 922	391, 776	226, 266	249, 534	95, 074
Poland <sup>3</sup> .....	369	105	1, 164	2, 027	12, 970	51, 806	96, 720		4, 813
Rumania.....					11	6, 348	12, 750	53, 008	13, 311
Russia and Finland.....	277	551	457	2, 512	39, 284	213, 282	505, 290	1, 597, 306	921, 957
Spain.....	2, 125	2, 209	9, 298	6, 697	5, 266	4, 419	8, 731	27, 935	68, 611
Portugal.....	829	550	1, 055	2, 658	14, 082	16, 978	27, 508	69, 149	89, 732
Switzerland.....	4, 821	4, 644	25, 011	23, 286	28, 293	81, 988	31, 179	34, 922	23, 091
Turkey in Europe <sup>4</sup> .....	7	59	83	129	337	1, 562	3, 786	119, 256	77, 210
United Kingdom.....	283, 191	1, 047, 763	1, 338, 093	1, 042, 674	984, 914	1, 462, 839	659, 954	865, 015	487, 589
England.....	7, 611	32, 092	247, 125	222, 277	437, 706	644, 680	216, 726	388, 017	249, 944
Ireland.....	207, 381	780, 719	914, 119	435, 778	436, 871	655, 482	388, 416	339, 065	146, 181
Scotland.....	2, 667	3, 712	38, 331	38, 769	87, 564	149, 869	44, 188	120, 469	78, 357
Wales.....	185	1, 261	6, 319	4, 313	6, 631	12, 640	10, 557	17, 464	13, 107
Not specified.....	65, 347	229, 979	132, 199	341, 537	16, 142	168	67		
Other Europe.....	40	79	5	8	1, 001	682	122	665	<sup>5</sup> 13, 425
<b>Total Asia</b> <sup>6</sup> .....	46	83	41, 455	64, 630	123, 823	62, 380	71, 236	243, 567	192, 559
China <sup>6</sup> .....	8	35	41, 397	64, 301	123, 201	61, 711	14, 799	20, 605	21, 278
Japan <sup>6</sup> .....				186	149	2, 270	25, 942	129, 797	83, 837
Turkey in Asia <sup>7</sup> .....				2	67	2, 220	26, 799	77, 393	79, 389
Other Asia <sup>6</sup> .....	40	47	58	141	406	2, 179	3, 696	15, 772	8, 055
<b>Total America</b> <sup>8</sup> .....	33, 494	62, 469	74, 720	166, 607	404, 044	426, 967	38, 972	361, 888	1, 143, 671
Canada and Newfoundland <sup>9</sup> .....	13, 624	41, 723	59, 309	153, 878	383, 640	393, 304	3, 311	179, 226	742, 185
Mexico <sup>9</sup> .....	6, 599	3, 271	3, 078	2, 191	5, 162	1, 913	971	49, 642	219, 004
Central America <sup>9</sup> .....	44	368	449	95	157	404	549	8, 192	17, 159
South America <sup>9</sup> .....	856	3, 579	1, 224	1, 397	1, 128	2, 304	1, 075	17, 280	41, 899
West Indies <sup>9</sup> .....	12, 301	13, 528	10, 660	9, 046	13, 957	29, 042	33, 066	107, 548	123, 424
Africa <sup>9</sup> .....	54	55	210	312	358	857	350	7, 368	8, 443
Australia, Tasmania, and New Zealand.....				36	9, 886	7, 017	2, 740	11, 975	12, 348
Pacific Islands (not specified).....					1, 028	5, 557	1, 225	1, 049	1, 079
All other countries.....	69, 911	53, 144	29, 169	17, 969	790	789	14, 063	33, 523	1, 147

<sup>1</sup> Oct. 1, 1830, to Dec. 31, 1840.

<sup>2</sup> Jan. 1, 1861, to June 30, 1870.

<sup>3</sup> From 1899 to 1919 Poland is included with Austria-Hungary, Germany, and Russia.

<sup>4</sup> Includes Bulgaria and prior to 1920, Serbia and Montenegro.

<sup>5</sup> Includes 1920 figures for Czechoslovakia and Yugoslavia.

<sup>6</sup> Included in "All other countries" in 1892.

<sup>7</sup> Included in "All other countries" in 1892; in "Other Asia" in 1893 and 1894.

<sup>8</sup> Immigrants from Canada, Newfoundland, and Mexico not reported from 1886 to 1893, inclusive.

<sup>9</sup> Included in "All other countries" in 1892 and 1893.

Source: Reports of the Commissioner General of Immigration, Department of Labor.

## No. 102.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS

[NOTE.—Residence for a year or more is regarded as permanent]

Country	Fiscal years ended June 30—								
	1910-1914, total			1915-1919, total			1920-1924, total		
	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess
All countries, total.	5, 174, 701	1, 442, 892	3, 731, 809	1, 172, 679	618, 223	554, 456	2, 774, 600	892, 984	1, 881, 616
Europe, total.....	4, 524, 169	1, 176, 037	3, 348, 132	532, 391	421, 761	110, 630	1, 787, 303	758, 619	1, 028, 684
Albania.....							<sup>1</sup> 250	<sup>1</sup> 284	<sup>1</sup> -34
Austria.....	575, 852	181, 494	394, 358	13, 322	7, 338	5, 984	25, 842	4, 716	21, 126
Hungary.....	553, 801	174, 362	379, 439	11, 752	5, 864	5, 888	25, 262	32, 110	-6, 848
Belgium.....	28, 450	4, 727	23, 723	4, 124	1, 047	3, 077	17, 936	5, 668	12, 268
Bulgaria.....	24, 821	20, 514	4, 307	2, 359	5, 996	-3, 637	1, 914	7, 559	-5, 645
Czechoslovakia.....							84, 245	38, 087	46, 158
Denmark.....	33, 470	2, 804	30, 666	12, 360	2, 317	10, 043	21, 910	4, 110	17, 800
Estonia.....							<sup>1</sup> 765	<sup>1</sup> 111	<sup>1</sup> 754
Finland.....							14, 624	5, 794	8, 830
France.....	43, 004	17, 003	26, 001	17, 331	17, 014	317	33, 484	12, 816	20, 668
Germany.....	161, 195	27, 938	133, 257	13, 032	2, 227	10, 805	149, 103	15, 401	133, 702
Greece.....	132, 212	70, 708	61, 504	65, 896	35, 106	30, 790	52, 144	51, 481	663
Italy.....	1, 104, 833	405, 723	699, 110	125, 083	228, 842	-103, 759	460, 644	236, 985	223, 659
Latvia.....							<sup>1</sup> 1, 473	<sup>1</sup> 87	<sup>1</sup> 1, 406
Lithuania.....							<sup>1</sup> 2, 369	<sup>1</sup> 1, 335	<sup>1</sup> 2, 034
Netherlands.....	35, 734	2, 777	32, 957	10, 331	1, 925	8, 406	20, 603	3, 553	17, 050
Norway.....	57, 079	9, 245	47, 834	22, 409	7, 885	14, 524	40, 891	8, 756	32, 135
Poland.....							183, 881	102, 376	81, 505
Portugal.....	51, 902	8, 477	43, 425	30, 587	11, 833	18, 754	41, 770	21, 749	20, 021
Rumania.....	12, 851	2, 331	10, 520	715	355	360	61, 083	36, 863	24, 220
Russia.....	1, 054, 608	153, 470	901, 138	52, 390	36, 354	16, 036	54, 692	26, 575	28, 117
Spain.....	28, 631	8, 723	19, 908	24, 631	16, 879	7, 752	45, 077	20, 124	24, 953
Sweden.....	89, 215	9, 340	79, 875	23, 742	6, 241	17, 501	57, 883	9, 934	47, 949
Switzerland.....	18, 811	2, 817	15, 994	4, 028	1, 284	2, 744	21, 480	3, 825	17, 655
Turkey in Europe..	69, 651	19, 939	49, 712	1, 498	277	1, 221	15, 208	2, 671	12, 537
United Kingdom <sup>1</sup> .....	445, 940	53, 555	392, 386	92, 383	32, 182	60, 201	301, 471	48, 307	253, 164
England.....	218, 767	29, 939	188, 828	50, 012	21, 364	28, 648	122, 575	32, 238	90, 337
Ireland.....	137, 410	13, 346	124, 064	29, 035	5, 817	23, 218	81, 456	10, 472	70, 984
Scotland.....	78, 391	9, 465	68, 926	10, 734	4, 567	6, 167	90, 809	5, 122	85, 687
Wales.....	11, 372	805	10, 567	2, 602	434	2, 168	6, 631	475	6, 156
Yugoslavia.....							43, 487	55, 296	-11, 809
Other Europe.....	2, 109	90	2, 019	4, 418	795	3, 623	7, 812	3, 166	4, 646
Asia, total.....	132, 041	32, 749	99, 292	66, 546	20, 016	46, 530	95, 572	49, 678	45, 894
China.....	9, 800	12, 157	-2, 357	11, 116	10, 636	480	22, 723	22, 477	246
Japan.....	30, 564	10, 692	19, 872	46, 561	6, 138	40, 423	22, 723	22, 477	246
India.....	2, 795	747	2, 048	683	868	-185	1, 611	1, 044	567
Syria, Palestine, and Iraq.....							<sup>1</sup> 2, 946	<sup>1</sup> 492	<sup>1</sup> 2, 454
Turkey in Asia.....	83, 900	8, 560	75, 340	5, 668	646	5, 022	23, 769	6, 980	16, 789
Other Asia.....	4, 982	593	4, 389	2, 518	1, 728	790	2, 887	669	2, 218
America, total.....	506, 682	229, 928	276, 754	564, 345	173, 654	390, 691	883, 989	81, 042	802, 947
Canada and New- foundland.....	329, 316	195, 872	133, 444	379, 399	95, 827	283, 572	526, 853	22, 980	503, 873
Central America.....	6, 423	1, 984	4, 439	9, 269	2, 363	6, 906	8, 859	3, 377	5, 482
Mexico.....	88, 358	4, 146	84, 212	96, 976	45, 510	51, 466	255, 774	23, 182	232, 592
South America.....	18, 306	6, 318	11, 988	21, 632	4, 963	16, 669	25, 802	7, 331	18, 471
West Indies.....	64, 023	21, 427	42, 596	56, 837	24, 890	31, 947	65, 771	24, 068	41, 703
Other America.....	256	181	75	232	101	131	930	104	826
Africa.....	5, 985	1, 161	4, 824	2, 882	460	2, 422	3, 917	672	3, 245
Australia, Tasmania, New Zealand.....	5, 341	2, 854	2, 487	5, 939	1, 833	4, 106	6, 458	2, 804	3, 654
Pacific Islands, not specified.....	483	163	320	576	499	77	361	169	192

<sup>1</sup> Figures for 1924 only. Data for prior years included with countries to which they formerly belonged.

Source: Annual Reports of the Commissioner General of Immigration, Department of Labor.

## DEPARTED: BY COUNTRY OF LAST OR FUTURE PERMANENT RESIDENCE

residence. Excess of departures indicated by minus sign (—)]

Fiscal years ended June 30—								Calendar year 1927		Country
1924		1925		1926		1927		Ad-mitted	De-parted	
Ad-mitted	De-parted	Ad-mitted	De-parted	Ad-mitted	De-parted	Ad-mitted	De-parted	Ad-mitted	De-parted	
708, 886	78, 789	894, 314	98, 728	804, 488	76, 992	835, 175	73, 308	823, 885	75, 123	All countries, total.
384, 339	58, 998	143, 308	75, 064	155, 583	60, 040	168, 308	55, 402	168, 103	55, 370	Europe, total.
250	284	79	334	158	314	243	237	289	131	Albania.
7, 505	217	899	466	1, 102	487	1, 016	468	1, 187	553	Austria.
5, 806	522	616	875	906	871	813	841	845	873	Hungary.
2, 065	517	726	459	718	491	764	482	723	542	Belgium.
550	233	140	208	175	88	222	130	170	129	Bulgaria.
13, 554	1, 568	2, 462	2, 723	2, 953	2, 301	3, 540	2, 276	3, 644	2, 201	Czechoslovakia.
5, 281	510	2, 444	562	2, 549	691	2, 505	536	2, 325	519	Denmark.
765	11	131	5	132	15	139	14	150	10	Estonia.
3, 662	360	480	464	491	519	438	536	440	628	Finland.
6, 387	1, 249	3, 906	1, 205	4, 181	1, 011	4, 405	1, 637	4, 438	2, 076	France.
75, 091	1, 178	46, 068	3, 646	50, 421	3, 908	48, 513	4, 748	46, 210	6, 011	Germany.
4, 871	7, 250	826	6, 574	1, 121	5, 164	2, 089	3, 130	2, 294	2, 631	Greece.
56, 246	22, 904	6, 203	27, 151	8, 253	19, 980	17, 297	17, 759	17, 511	16, 595	Italy.
1, 473	67	263	29	298	58	403	21	286	35	Latvia.
2, 369	335	472	511	636	408	770	314	723	295	Lithuania.
3, 783	345	1, 723	743	1, 753	379	1, 733	456	1, 724	508	Netherlands.
11, 986	955	5, 975	1, 765	5, 756	2, 087	6, 068	1, 786	5, 945	1, 801	Norway.
28, 806	2, 594	5, 341	3, 721	7, 126	2, 881	9, 211	2, 650	9, 405	3, 031	Poland.
2, 769	3, 357	619	3, 600	666	2, 926	567	2, 347	580	1, 216	Portugal.
11, 142	1, 096	1, 163	1, 433	1, 211	1, 404	1, 270	1, 248	1, 392	1, 091	Rumania.
12, 649	572	1, 775	539	1, 766	181	1, 183	239	1, 236	303	Russia.
932	2, 967	275	3, 982	326	2, 465	429	2, 178	428	2, 060	Spain.
18, 310	830	8, 365	1, 123	8, 513	1, 150	8, 287	1, 115	7, 716	1, 288	Sweden.
3, 842	390	2, 069	467	1, 994	486	2, 121	594	2, 063	661	Switzerland.
1, 481	128	263	100	210	30	216	24	288	35	Turk. in Europe.
76, 601	6, 530	53, 822	9, 825	50, 425	7, 349	52, 214	7, 693	48, 031	8, 203	U. Kingdom.*
24, 466	4, 361	13, 897	6, 681	10, 599	4, 921	9, 990	4, 994	8, 982	5, 701	England.
17, 111	1, 282	26, 650	1, 133	24, 897	1, 059	28, 545	1, 214	25, 803	1, 164	Ireland.
33, 471	827	12, 378	1, 958	13, 661	1, 332	12, 611	1, 441	11, 894	1, 292	Scotland.
1, 553	60	897	53	1, 268	37	1, 068	44	1, 352	46	Wales.
5, 835	1, 991	724	2, 464	1, 059	2, 342	1, 190	1, 911	1, 323	1, 896	Yugoslavia.
328	28	537	90	663	54	722	32	717	58	Other Europe.
22, 065	6, 943	2, 579	5, 411	3, 413	4, 931	3, 689	6, 007	3, 343	6, 379	Asia, total.
6, 902	3, 847	1, 937	3, 412	1, 751	2, 989	1, 471	4, 179	1, 323	4, 537	China.
8, 801	2, 155	723	1, 212	654	1, 208	723	1, 205	586	1, 211	Japan.
183	161	65	128	93	113	102	126	103	156	India.
2, 946	492	670	479	679	381	1, 054	327	971	305	Syria, Palestine, and Iraq.
2, 820	211	51	89	37	169	60	74	68	71	Turkey in Asia.
323	77	132	91	199	71	250	96	292	99	Other Asia.
318, 913	10, 231	141, 498	11, 561	144, 393	11, 485	161, 872	11, 303	157, 258	12, 770	America, total.
200, 690	2, 601	102, 753	2, 580	93, 368	2, 456	84, 580	2, 440	79, 602	3, 089	Canada and Newfoundland.
2, 000	567	1, 199	661	1, 374	566	1, 771	721	1, 902	797	Central America.
89, 336	1, 926	32, 964	2, 954	43, 316	3, 198	67, 721	2, 957	67, 539	3, 356	Mexico.
9, 270	1, 052	2, 470	1, 331	3, 107	1, 425	3, 777	1, 453	4, 030	1, 521	South America.
17, 559	4, 081	2, 106	4, 035	3, 222	3, 839	4, 019	3, 732	4, 173	4, 007	West Indies.
58	4	4	-----	6	1	4	-----	12	-----	Other America.
900	108	412	154	529	126	520	112	513	131	Africa.
635	485	416	503	556	391	712	508	634	449	Australia, Tasmania, New Zealand.
44	24	46	35	35	19	34	34	34	23	Pacific Islands, not specified.

\* Figures for 1924 to 1927 include Irish Free State.



No. 103.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DE

[NOTE.—Excess of departures indicated by

Race or people	Fiscal years June 30—								
	1910-1914, total			1915-1919, total			1920-1924, total		
	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess	Ad- mitted	De- parted	Excess
Total .....	5, 174, 701	1, 442, 892	3, 731, 809	1, 172, 679	618, 223	554, 456	2, 774, 600	892, 984	1, 881, 616
✓ African (black) .....	33, 527	6, 603	26, 924	29, 736	7, 092	22, 644	43, 092	8, 239	34, 853
Armenian .....	30, 960	4, 164	26, 796	3, 620	2, 485	1, 135	20, 559	1, 571	18, 988
Bohemian and Mo- ravian (Czech) .....	47, 143	5, 182	41, 961	2, 799	1, 187	1, 612	17, 650	8, 072	9, 578
Bulgarian, Serbian, Montenegrin. ....	60, 180	35, 846	24, 334	8, 141	7, 128	1, 013	14, 509	43, 069	-28, 560
✓ Chinese .....	9, 061	11, 957	-2, 896	9, 824	10, 207	-383	19, 374	21, 884	-2, 510
Croatian and Slo- venian. ....	162, 693	59, 480	103, 213	3, 094	2, 666	428	23, 611	15, 898	8, 213
✓ Cuban .....	17, 038	7, 964	9, 074	12, 620	8, 424	4, 196	6, 490	5, 278	1, 212
✓ Dalmatian, Bos- nian, Herzegovin- ian. ....	22, 652	4, 021	18, 631	582	130	452	2, 166	3, 375	-1, 209
Dutch and Flemish .....	64, 882	9, 097	55, 785	23, 446	4, 878	18, 568	42, 936	9, 820	33, 116
✓ East Indian .....	2, 824	675	2, 149	360	649	-289	1, 046	779	267
English .....	267, 713	48, 262	219, 451	146, 945	46, 730	100, 215	297, 885	47, 433	250, 452
Finnish .....	57, 717	15, 637	42, 080	17, 856	4, 737	13, 119	15, 311	6, 087	9, 274
French .....	96, 439	18, 567	77, 872	75, 997	21, 824	54, 173	148, 132	17, 527	130, 605
German .....	363, 930	67, 420	296, 510	45, 795	5, 295	40, 500	223, 894	20, 712	203, 182
Greek .....	192, 247	76, 093	116, 154	71, 313	35, 218	36, 095	59, 076	51, 833	7, 243
Hebrew .....	495, 459	33, 031	462, 428	65, 674	3, 112	62, 562	286, 560	2, 344	284, 216
Irish .....	183, 471	19, 005	164, 466	74, 168	11, 540	62, 628	149, 781	12, 747	137, 034
Italian (north) .....	174, 871	64, 304	110, 567	21, 671	17, 273	4, 398	67, 105	32, 296	34, 809
✓ Italian (south) .....	971, 366	352, 486	618, 880	122, 991	214, 081	-91, 090	401, 834	205, 941	195, 893
✓ Japanese .....	30, 788	10, 756	20, 032	46, 469	6, 012	40, 457	37, 304	17, 907	19, 397
✓ Korean .....	276	320	-44	720	221	499	447	179	268
✓ Lithuanian .....	100, 050	17, 181	82, 869	4, 011	1, 105	2, 906	6, 672	11, 822	-4, 650
✓ Magyar .....	146, 045	72, 833	73, 212	5, 103	2, 830	2, 273	30, 034	33, 460	-3, 426
✓ Mexican .....	82, 588	3, 434	79, 154	91, 075	44, 768	46, 307	249, 248	22, 058	227, 190
✓ Pacific Islander .....	88	12	76	44	20	24	63	16	47
Polish .....	581, 979	145, 735	436, 244	18, 076	9, 577	8, 499	62, 603	99, 471	-36, 868
Portuguese .....	47, 742	7, 472	40, 270	30, 671	11, 565	19, 106	42, 591	22, 241	20, 350
Rumanian .....	65, 360	19, 881	45, 479	2, 919	1, 219	1, 700	11, 467	36, 495	-25, 028
Russian .....	155, 002	51, 904	103, 098	16, 073	29, 008	-12, 935	21, 628	17, 472	4, 156
Ruthenian .....	134, 911	21, 454	113, 457	5, 661	925	4, 736	5, 438	1, 687	3, 751
Scandinavian (Nor- wegians, Danes, and Swedes). ....	204, 287	40, 812	163, 475	80, 083	21, 507	58, 526	137, 719	25, 205	112, 514
Scotch .....	110, 820	16, 572	94, 248	56, 743	11, 422	45, 321	161, 379	8, 673	152, 706
Slovak .....	132, 165	58, 983	73, 182	3, 010	3, 109	-99	56, 625	33, 506	23, 119
Spanish .....	43, 081	13, 805	29, 276	42, 116	22, 334	19, 782	60, 110	24, 810	35, 300
Spanish-American .....	6, 302	2, 103	4, 199	11, 458	3, 223	8, 235	13, 760	6, 430	7, 330
✓ Syrian .....	35, 519	5, 219	30, 300	3, 860	955	2, 905	12, 288	5, 737	6, 551
✓ Turkish .....	8, 245	6, 244	2, 001	985	636	349	1, 125	2, 746	-1, 621
✓ Welsh .....	12, 109	1, 444	10, 665	4, 062	1, 016	3, 036	8, 423	659	7, 764
West Indian (other than Cuban). ....	5, 990	2, 523	3, 467	5, 095	2, 365	2, 730	7, 753	3, 418	4, 335
Other peoples .....	17, 181	5, 369	11, 812	7, 923	3, 020	4, 903	6, 912	5, 137	1, 775
Not specified .....		99, 042	-87, 230		36, 730	-31, 827			

Source: Annual reports of the Commissioner General of Immigration, Department of Labor.

PARTED WITH EXCESS OF ADMISSIONS OR DEPARTURES: By RACE

minus sign (-). For percentage distribution of immigrants see Table 105]

Fiscal years ended June 30—								Calendar year 1927		Race or people
1924		1925		1926		1927				
Admitted	Deported	Admitted	Deported	Admitted	Deported	Admitted	Deported	Admitted	Deported	
708,886	76,789	294,314	92,728	304,488	76,993	335,175	73,396	323,885	75,122	Total.
12,243	1,449	791	1,094	894	865	955	870	954	793	African (black).
2,940	60	576	100	741	90	983	51	1,083	43	Armenian.
6,869	1,287	1,833	2,128	2,494	1,468	2,406	1,724	1,510	1,525	Bohemian and Moravian (Czech).
2,482	1,544	418	1,741	532	1,681	600	1,592	565	1,515	Bulgarian, Serbian, and Montenegrin.
4,670	3,736	1,721	3,263	1,375	2,873	1,051	4,117	847	4,484	Chinese.
4,137	381	520	767	692	592	821	251	916	415	Croatian and Slovenian.
1,412	961	912	1,287	1,476	1,287	1,919	980	1,995	1,270	Cuban.
295	183	51	467	75	545	69	380	90	258	Dalmatian, Bosnian, and Herzegovinian.
7,840	990	3,189	1,238	3,156	993	3,125	1,005	2,961	1,122	Dutch and Flemish.
154	149	45	91	50	69	51	83	40	103	East Indian.
93,939	6,505	50,580	9,108	44,206	6,935	40,165	7,449	36,959	8,687	English.
3,975	411	689	476	674	560	629	577	601	680	Finnish.
48,632	1,306	23,240	1,261	22,237	1,277	19,313	1,761	19,120	1,961	French.
95,627	1,832	54,215	4,352	58,675	4,509	56,587	5,515	54,360	7,306	German.
5,252	7,335	1,068	6,659	1,385	5,188	2,557	3,140	2,846	2,689	Greek.
49,989	260	10,292	291	10,267	341	11,483	224	12,084	240	Hebrew.
42,364	1,881	42,661	1,432	42,475	1,225	44,726	1,432	40,085	1,419	Irish.
11,576	2,704	1,784	4,601	1,486	3,036	2,637	2,209	2,711	1,589	Italian (north).
47,633	20,363	5,512	22,651	7,888	16,968	15,892	15,627	15,954	15,133	Italian (south).
8,481	2,120	662	1,170	598	1,201	660	1,148	552	1,156	Japanese.
122	27	26	31	52	27	47	52	27	41	Korean.
1,991	381	329	527	393	439	549	331	483	323	Lithuanian.
7,446	587	885	1,030	1,076	1,063	1,049	946	1,021	962	Magyar.
87,648	1,878	32,378	2,875	42,638	3,158	66,766	2,774	66,416	3,108	Mexican.
12	1	3	7	2	1	8	7	3	3	Pacific Islander.
19,371	2,690	3,178	3,693	3,175	2,823	4,249	2,725	4,380	3,053	Polish.
3,892	3,465	720	3,653	793	2,989	843	2,363	828	1,259	Portuguese.
1,727	1,085	391	1,343	319	1,302	422	1,201	481	989	Rumanian.
9,531	734	1,225	887	938	581	1,249	510	1,244	549	Russian.
2,356	52	667	76	505	65	445	19	422	49	Ruthenian.
40,978	2,662	20,146	3,811	19,418	4,188	19,235	3,078	18,81	3,682	Scandinavian (Norwegians, Danes and Swedes).
61,327	1,281	27,803	2,555	27,298	1,912	25,544	1,930	23,954	1,899	Scotch.
5,523	475	620	635	534	850	1,017	693	2,095	692	Slovak.
3,664	3,674	588	4,661	699	2,972	1,065	2,781	1,158	2,765	Spanish.
3,065	906	2,349	1,322	2,519	1,404	3,185	1,792	3,472	1,845	Spanish-American.
1,596	439	450	420	488	260	684	203	591	227	Syrian.
355	297	87	153	197	201	112	166	159	150	Turkish.
2,635	77	1,167	81	1,314	76	1,300	65	1,579	79	Welsh.
2,211	600	325	446	373	600	381	754	420	640	West Indian (other than Cuban).
937	422	498	345	381	318	396	241	433	216	Other peoples.
										Not specified.

**No. 104.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DEPARTED: BY RACE OR PEOPLE AND BY SEX AND AGE, YEAR ENDED JUNE 30, 1927**

[NOTE.—For totals of both sexes combined by race, see Table 105]

Race or people	Admitted					Departed				
	Male	Female	Under 16 years	16 to 44 years	45 years and over	Male	Female	Under 16 years	16 to 44 years	45 years and over
<b>Total</b> .....	<b>194, 163</b>	<b>141, 012</b>	<b>51, 689</b>	<b>254, 574</b>	<b>28, 912</b>	<b>51, 536</b>	<b>21, 830</b>	<b>2, 986</b>	<b>54, 217</b>	<b>16, 108</b>
African (black).....	415	540	155	726	74	365	505	68	679	123
Armenian.....	263	720	155	750	78	42	9	2	39	10
Bohemian and Moravian.....	1, 239	1, 167	472	1, 683	251	1, 176	548	55	1, 213	456
Bulgarian, Serbian, and Montenegrin.....	322	278	69	471	60	1, 229	363	43	1, 081	468
✓ Chinese.....	830	221	150	798	103	3, 910	207	29	2, 112	1, 976
Croatian and Slovenian.....	352	469	166	565	90	207	44	6	171	74
Cuban.....	1, 435	484	290	1, 509	120	638	342	176	651	153
Dalmatian, Bosnian, and Herzegovinian.....	37	32	13	54	2	249	131	13	302	65
Dutch and Flemish.....	1, 713	1, 412	769	1, 993	363	588	417	88	693	224
East Indian.....	47	4	2	47	2	74	9	3	65	15
English.....	20, 768	19, 397	7, 164	28, 230	4, 771	3, 758	3, 691	559	5, 305	1, 585
Finnish.....	278	351	70	503	56	321	256	18	471	88
French.....	10, 396	8, 917	3, 642	13, 833	1, 838	912	849	69	1, 256	436
German.....	33, 142	23, 445	6, 692	46, 774	3, 121	2, 636	2, 879	201	4, 336	978
Greek.....	864	1, 693	386	2, 055	116	2, 689	451	30	2, 322	788
Hebrew.....	5, 255	6, 228	2, 849	6, 497	2, 137	148	76	10	162	52
Irish.....	24, 149	20, 577	4, 153	37, 681	2, 892	674	758	48	1, 081	303
Italian (north).....	1, 433	1, 204	521	1, 954	162	1, 647	562	50	1, 690	469
Italian (south).....	7, 826	8, 066	4, 040	9, 784	2, 068	13, 513	2, 114	243	12, 154	3, 230
Japanese.....	449	211	102	511	47	852	296	35	817	296
Korean.....	40	7	-----	47	-----	45	7	3	35	14
Lithuanian.....	246	303	110	366	73	216	115	2	187	142
Magyar.....	467	582	211	634	204	541	406	37	550	359
Mexican.....	48, 107	18, 659	10, 304	51, 626	4, 836	1, 978	796	307	2, 255	212
Pacific Islander.....	5	3	1	7	-----	4	3	2	3	2
Polish.....	2, 177	2, 072	735	3, 045	469	1, 977	748	48	1, 729	948
Portuguese.....	653	190	77	706	60	1, 899	464	40	2, 191	132
Rumanian.....	184	238	84	288	50	792	409	42	758	401
Russian.....	586	663	267	852	130	345	165	22	372	116
Ruthenian (Russiak)....	246	199	67	359	19	15	4	1	12	6
Scandinavian (Norwegians, Danes, and Swedes).....	12, 546	6, 689	1, 913	16, 288	1, 034	2, 269	1, 409	134	2, 906	638
Scotch.....	12, 940	12, 604	4, 628	17, 923	2, 993	962	968	173	1, 380	377
Slovak.....	634	383	182	756	79	547	146	21	471	201
Spanish.....	648	417	187	781	97	2, 382	399	102	2, 238	441
Spanish-American.....	1, 923	1, 262	512	2, 445	228	1, 121	671	217	1, 432	143
Syrian.....	302	382	142	475	67	133	70	7	146	50
Turkish.....	39	73	17	89	6	137	29	2	132	32
Welsh.....	775	525	249	903	148	44	21	5	50	10
West Indian (except Cuban).....	188	193	78	282	21	304	450	56	593	105
Other peoples not specified.....	244	152	65	284	47	197	44	19	177	45

Source: Annual Reports of the Commissioner General of Immigration, Department of Labor.

**No. 105.—IMMIGRANT ALIENS ADMITTED: PERCENTAGES, BY RACE OR PEOPLE, YEARS ENDED JUNE 30**

Race or people	1910-1914	1915-1919	1920	1921	1922	Race or people	1910-1914	1915-1919	1920	1921	1922
Total	100.0	100.0	100.0	100.0	100.0	Italian (south)	18.9	14.5	1.9	2.6	4.7
African (black)	.6	1.6	.3	.3	.3	Japanese	.6	1.3	.2	.2	.2
Armenian	.6	.7	.2	.2	.3	Korean	(1)	(1)	(1)	(1)	(1)
Bohemian and Moravian (Czech)	.9	.6	.6	.8	.7	Lithuanian	1.9	.2	.1	.1	.2
Bulgarian, Serbian, Montenegrin	1.2	.5	.1	.2	.2	Magyar	2.6	1.1	.3	.4	.3
Chinese	.2	.7	.6	.5	.3	Mexican	1.6	9.0	11.0	14.0	19.9
Croatian and Slovenian	3.1	.9	.2	.2	.3	Pacific Islander	(1)	(1)	(1)	(1)	(1)
Cuban	.3	.2	.3	.6	.6	Polish	11.2	2.3	1.1	1.0	1.3
Dalmatian, Bosnian, Herzegovinian	.4	.1	(1)	(1)	(1)	Portuguese	.9	1.5	.2	.2	.3
Dutch and Flemish	1.3	1.5	1.1	1.0	.9	Rumanian	1.3	.4	.1	.1	.1
East Indian	.1	(1)	(1)	(1)	(1)	Russian	3.0	.8	.4	.3	.4
English	4.2	10.7	17.2	14.5	12.0	Ruthenian	2.0	.2	.2	.2	.1
Finnish	1.1	.6	.2	.2	.2	Scandinavian (Norwegians, Danes, Swedes)	3.9	5.0	6.8	6.4	5.7
French	1.9	5.3	7.9	7.3	5.8	Scotch	2.1	5.8	9.3	9.0	7.4
German	7.0	8.1	18.4	19.3	16.9	Slovak	2.6	2.0	.2	.2	.3
Greek	3.7	2.1	.4	.5	.8	Spanish	.3	2.2	.2	.2	.3
Hebrew	9.6	10.3	8.6	3.4	3.4	Spanish-American	.1	.5	.8	.8	1.0
Irish	3.5	5.4	14.5	13.9	13.9	Syrian	.7	.4	.2	.2	.2
Italian (north)	3.4	2.4	.6	.5	.8	Turkish	.2	(1)	(1)	(1)	(1)
						Welsh	.2	.3	.4	.4	.4
						West Indian (other than Cuban)	.1	.3	.1	.1	.1
						Other peoples	.3	.2	.2	.1	.1

<sup>1</sup> Less than one-tenth of 1 per cent.

**No. 106.—QUOTA AND NONQUOTA IMMIGRANTS ADMITTED: BY COUNTRY OR REGION OF BIRTH, YEAR ENDED JUNE 30, 1927**

[Note.—See headnote, Table 107]

Nonquota immigrants					Nonquota immigrants				
Country	Quota immigrants	From non-quota countries	Returning residents	Other exempt classes	Country	Quota immigrants	From non-quota countries	Returning residents	Other exempt classes
All countries	155,685	169,735	94,910	29,563	Sweden	1,981	9	2,831	112
Europe, total	155,685	1,034	79,997	29,223	Switzerland	1,981	2	1,342	94
Albania	99		530	159	Turkey in Europe	84	2	263	696
Austria	861	2	807	145	Yugoslavia	639	2	1,696	703
Belgium	649	8	890	135	Other Europe	1,079	3	440	124
Bulgaria	119		76	89	America, total	363	155,685	8,997	207
Czechoslovakia	3,030	2	2,590	708	Canada and Newfoundland		73,728	2,237	37
Denmark	2,619	2	1,316	87	Mexico		77,155	1,794	7
Finland	456	1	1,207	79	West Indies	703	2,635	3,917	127
France	3,592	15	2,724	222	Central and South America	111	5,145	848	36
Germany	49,649	13	7,583	377	Other America	8	2	19	
England	12,341	447	8,550	746	Asia, total	946	190	6,790	1,931
Northern Ireland	889	30	178	17	China	125	7	1,845	322
Scotland	12,823	147	5,457	249	India	112	5	80	72
Wales	1,205	6	434	43	Japan	23		4,297	253
Greece	146		2,407	1,441	Palestine	135	1	75	157
Hungary	492	2	1,010	392	Syria	125	3	184	368
Irish Free State	31,566	33	3,762	134	Turkey in Asia	26	1	115	653
Italy	4,033	221	21,329	12,268	Other Asia	440	3	124	128
Lithuania	335		317	490	Africa	351	11	114	69
Netherlands	1,598	4	1,038	92	Australia	276	5	243	117
Norway	6,120	8	2,493	169	Other countries	20		25	15
Poland	5,977	15	1,970	4,412					
Portugal	451	9	2,533	41					
Rumania	753	11	895	583					
Russia	2,014	18	616	1,104					
Spain	162	22	2,713	242					

<sup>1</sup> Wives and children (born in quota countries) of natives of nonquota countries.

<sup>2</sup> Including Azores, Cape Verde, and Madeira Islands.

Source of Tables 105 and 106: Annual reports of the Commissioner General of Immigration, Department of Labor.

**No. 107.—IMMIGRATION UNDER THE PER CENTUM LIMIT LAW: BY NATIONALITY, YEARS ENDED JUNE 30**

[NOTE.—Immigration statistics under the per centum limit law are not comparable with statistics in other tables, as both immigrant and nonimmigrant aliens may appear in quota law statistics, or aliens of both classes may not be counted against quotas at all, as shown by Table 108. Changes in quotas between 1923 and 1924 were necessitated by changes in boundaries and other adjustments]

Country or region	Under immigration act of 1921				Under immigration act of 1924			
	1923		1924		Quota <sup>1</sup>	Number admitted		
	Quota	Number admitted	Quota	Number admitted		1925	1926	1927
<b>Total</b> .....	<b>357, 803</b>	<b>335, 480</b>	<b>357, 803</b>	<b>357, 642</b>	<b>164, 667</b>	<b>145, 971</b>	<b>157, 432</b>	<b>158, 070</b>
Albania.....	288	288	288	288	100	67	98	99
Armenia (Russian).....	230	230	230	230	124	47	68	123
Austria.....	7, 451	7, 358	7, 342	7, 342	785	761	763	815
Belgium.....	1, 563	1, 563	1, 563	1, 563	512	505	507	516
Bulgaria.....	302	295	302	302	100	89	93	102
Czechoslovakia.....	14, 357	14, 357	14, 357	14, 357	3, 073	2, 556	3, 159	3, 168
Danzig, Free City of.....	301	263	301	301	228	212	223	241
Denmark.....	5, 619	5, 226	5, 619	5, 619	2, 789	2, 523	2, 712	2, 621
Estonia.....	1, 348	241	1, 348	1, 224	124	113	116	126
Finland.....	3, 921	3, 921	3, 921	3, 921	471	466	468	456
Fiume, Free State of.....	71	67	71	66				
France.....	5, 729	5, 034	5, 729	5, 729	3, 954	3, 481	3, 838	3, 942
Germany.....	67, 607	49, 258	67, 607	67, 607	51, 227	45, 760	51, 036	49, 792
Great Britain, Ireland <sup>2</sup> .....	77, 342	77, 342	77, 342	77, 342	34, 007	30, 461	31, 182	31, 090
Greece.....	3, 294	3, 294	3, 063	3, 063	100	96	96	96
Hungary (including Sopron District).....	5, 638	5, 638	5, 747	5, 747	473	357	471	465
Iceland.....	75	59	75	43	100	64	61	73
Irish Free State.....					<sup>3</sup> 28, 567	<sup>3</sup> 27, 112	27, 590	29, 997
Italy.....	42, 057	42, 057	42, 057	42, 057	3, 845	2, 662	3, 808	3, 826
Latvia.....	1, 540	1, 513	1, 540	1, 540	142	127	137	136
Lithuania (including Memel and a part of Pinsk region).....	2, 460	2, 460	2, 629	2, 629	344	332	341	341
Luxemburg.....	92	92	92	92	100	98	95	99
Netherlands.....	3, 607	3, 607	3, 607	3, 607	1, 648	1, 500	1, 640	1, 566
Norway.....	12, 202	12, 202	12, 202	12, 202	6, 453	6, 118	6, 291	6, 123
Poland (including Eastern Galicia and part of Pinsk region).....	31, 146	29, 730	30, 977	30, 977	5, 982	4, 873	6, 386	5, 972
Portugal (including Azores and Madeira Islands).....	2, 465	2, 465	2, 465	2, 465	503	474	498	459
Rumania.....	7, 419	7, 419	7, 419	7, 419	603	595	601	597
Russia, European and Asiatic (excluding barred zone).....	24, 405	24, 405	24, 405	24, 405	2, 248	2, 141	2, 158	2, 147
Spain (including Canary Islands).....	912	912	912	912	131	127	126	128
Sweden.....	20, 042	19, 867	20, 042	20, 042	9, 561	8, 961	9, 233	8, 966
Switzerland.....	3, 752	3, 752	3, 752	3, 752	2, 081	1, 869	1, 910	1, 993
Yugoslavia.....	6, 426	6, 426	6, 426	6, 426	671	489	589	654
Palestine.....	57	57	57	57	100	61	93	99
Syria.....	928	928	882	882	100	83	96	96
Turkey (European and Asiatic).....	2, 388	2, 388	2, 654	2, 654	100	96	86	97
Africa (other than Egypt).....	122	122	104	104	1, 100	110	111	149
Egypt.....			18	18	100	77	98	99
Australia.....	279	279	279	279	121	118	103	131
New Zealand and Pacific Islands.....	80	80	80	80	100	98	99	98
All others.....	288	285	299	299	1, 900	293	457	572

<sup>1</sup> Quota for 1925, 1926, and 1927.

<sup>2</sup> Prior to 1925 figures include all Ireland; in 1925, 1926, and 1927, Northern Ireland only.

<sup>3</sup> Figures for previous years included with Great Britain, Ireland.

Source: Annual Reports of the Commissioner General of Immigration, Department of Labor.

**No. 108.—ALIENS ADMITTED: BY CLASSES UNDER IMMIGRATION ACT OF 1924  
AND BY REGION OF BIRTH, YEARS ENDED JUNE 30**

Class	All countries		Europe		Asia		Canada and Newfoundland	
	1926	1927	1926	1927	1926	1927	1926	1927
<b>All classes, total</b> .....	<b>496, 106</b>	<b>538, 001</b>	<b>289, 589</b>	<b>316, 828</b>	<b>18, 284</b>	<b>20, 029</b>	<b>25, 903</b>	<b>85, 443</b>
<b>Nonimmigrants, total</b> .....	<b>88, 758</b>	<b>95, 704</b>	<b>49, 397</b>	<b>53, 969</b>	<b>10, 291</b>	<b>10, 342</b>	<b>8, 902</b>	<b>9, 441</b>
Government officials, their families, attendants, etc.....	5, 666	5, 683	2, 234	2, 274	701	767	97	93
Temporary visitors.....	56, 614	60, 508	35, 538	37, 686	2, 387	2, 731	4, 981	5, 496
In transit through United States.....	25, 574	28, 312	11, 380	13, 645	6, 560	6, 030	3, 515	3, 850
To carry on trade under existing treaty.....	904	1, 201	245	364	643	814	9	2
<b>Nonquota immigrants, total</b> .....	<b>949, 916</b>	<b>284, 227</b>	<b>85, 074</b>	<b>107, 254</b>	<b>7, 058</b>	<b>8, 691</b>	<b>87, 381</b>	<b>76, 002</b>
Wives and children of United States citizens.....	11, 154	18, 505	10, 430	17, 354	608	1, 027	-----	-----
Returning residents.....	83, 754	95, 910	71, 070	79, 997	5, 666	6, 720	1, 818	2, 237
Natives of nonquota countries and their wives and children.....	151, 454	159, 735	1, 092	1, 034	15	20	85, 547	73, 728
Professors and ministers and their wives and children.....	1, 551	1, 853	1, 318	1, 579	150	210	9	8
Students.....	1, 920	1, 833	1, 083	1, 057	618	599	6	3
Veterans of the World War and their wives and children.....	83	6, 381	81	6, 223	1	115	1	26
Spanish subjects admitted into Porto Rico.....	-----	10	-----	10	-----	-----	-----	-----
<b>Quota immigrants, total</b> .....	<b>157, 432</b>	<b>158, 070</b>	<b>156, 118</b>	<b>155, 605</b>	<b>935</b>	<b>996</b>	-----	-----
	Mexico		West Indies		Central and South America <sup>1</sup>		Other countries	
<b>All classes, total</b> .....	<b>60, 620</b>	<b>81, 722</b>	<b>16, 135</b>	<b>16, 671</b>	<b>10, 073</b>	<b>11, 190</b>	<b>5, 432</b>	<b>6, 118</b>
<b>Nonimmigrants, total</b> .....	<b>1, 908</b>	<b>2, 774</b>	<b>9, 525</b>	<b>9, 289</b>	<b>4, 822</b>	<b>5, 021</b>	<b>4, 213</b>	<b>4, 868</b>
Government officials, their families, attendants, etc.....	260	234	893	1, 027	1, 324	1, 086	157	202
Temporary visitors.....	1, 057	1, 780	7, 198	6, 555	2, 674	3, 166	2, 779	3, 094
In transit through United States.....	590	760	1, 432	1, 701	823	768	1, 274	1, 558
To carry on trade under existing treaty.....	1	-----	2	6	1	1	3	14
<b>Nonquota immigrants, total</b> .....	<b>58, 712</b>	<b>78, 948</b>	<b>5, 962</b>	<b>6, 679</b>	<b>5, 135</b>	<b>6, 050</b>	<b>594</b>	<b>603</b>
Wives and children of United States citizens.....	-----	-----	55	53	17	7	44	64
Returning residents.....	282	1, 786	3, 823	3, 917	710	867	385	386
Natives of nonquota countries and their wives and children.....	58, 423	77, 155	2, 011	2, 635	4, 357	5, 147	9	16
Professors and ministers and their wives and children.....	2	1	14	8	10	5	48	42
Students.....	5	5	59	59	41	20	108	90
Veterans of the World War and their wives and children.....	-----	1	-----	7	-----	4	-----	5
<b>Quota immigrants, total</b> .....	-----	-----	<b>648</b>	<b>703</b>	<b>116</b>	<b>119</b>	<b>616</b>	<b>647</b>

<sup>1</sup> Includes Greenland, Miquelon and St. Pierre.

**No. 109.—NATURALIZED AND NATIVE-BORN CITIZENS PERMANENTLY  
DEPARTED: YEARS ENDED JUNE 30**

Citizenship and sex	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
<b>Naturalized, total</b> .....	<b>4, 620</b>	<b>3, 574</b>	<b>8, 010</b>	<b>7, 217</b>	<b>9, 072</b>	<b>5, 903</b>	<b>5, 985</b>	<b>4, 229</b>	<b>5, 505</b>	<b>3, 239</b>
Male.....	3, 248	2, 299	5, 381	4, 835	5, 933	3, 243	3, 986	2, 727	3, 604	2, 264
Female.....	1, 372	1, 275	2, 629	2, 382	3, 139	1, 960	1, 999	1, 502	1, 901	975
<b>Native-born, total</b> .....	<b>52, 378</b>	<b>35, 969</b>	<b>56, 554</b>	<b>64, 174</b>	<b>70, 126</b>	<b>31, 057</b>	<b>23, 676</b>	<b>21, 900</b>	<b>22, 677</b>	<b>19, 547</b>
Male.....	33, 278	21, 704	33, 920	38, 371	39, 339	17, 837	14, 044	12, 724	13, 769	12, 241
Female.....	19, 100	14, 265	22, 634	25, 803	30, 787	13, 220	9, 632	8, 476	8, 908	7, 306

Source of Tables 108 and 109: Annual Reports of the Commissioner General of Immigration, Department of Labor.

### No. 110.—ARRIVALS OF PASSENGERS AT THE PRINCIPAL PORTS FROM FOREIGN COUNTRIES: YEARS ENDED JUNE 30

[NOTE.—Figures for immigrants and nonimmigrant aliens cover admissions only. In addition, there are debarred aliens among the arrivals who, after being examined, are found inadmissible and returned to the countries whence they came]

Port and class	1900-1909, average	1910-1914, average	1915- 1919, average	1920- 1924, average	1924	1925	1926	1927
<b>United States, total</b> .....	<b>1,060,019</b>	<b>1,488,423</b>	<b>454,192</b>	<b>963,630</b>	<b>1,180,583</b>	<b>797,674</b>	<b>868,963</b>	<b>916,561</b>
United States citizens.....	166,236	273,262	131,643	246,640	301,281	339,239	370,757	378,520
Immigrants.....	820,239	1,034,940	234,536	554,920	706,896	294,314	304,488	335,175
Nonimmigrant aliens.....	73,544	180,220	88,013	162,070	172,406	164,121	191,618	202,826
<b>New York</b> .....	<b>812,848</b>	<b>1,048,710</b>	<b>193,356</b>	<b>571,942</b>	<b>618,420</b>	<b>458,183</b>	<b>531,700</b>	<b>568,819</b>
United States citizens.....	128,988	173,578	55,192	161,265	205,362	219,861	263,170	269,026
Immigrants.....	630,141	759,791	100,970	321,403	315,587	137,492	149,289	165,510
Nonimmigrant aliens.....	53,719	115,341	37,194	89,274	97,471	100,829	119,241	132,283
<b>Boston</b> .....	<b>64,942</b>	<b>73,896</b>	<b>13,034</b>	<b>80,329</b>	<b>45,299</b>	<b>17,900</b>	<b>18,943</b>	<b>19,555</b>
United States citizens.....	12,351	11,498	2,723	4,486	6,507	6,098	7,577	7,251
Immigrants.....	47,913	52,474	8,801	24,168	36,320	9,023	8,025	8,060
Nonimmigrant aliens.....	4,678	9,925	1,510	1,675	2,472	2,839	3,340	4,224
<b>Philadelphia</b> .....	<b>24,183</b>	<b>54,823</b>	<b>2,385</b>	<b>10,627</b>	<b>10,628</b>	<b>1,673</b>	<b>606</b>	<b>643</b>
United States citizens.....	3,510	3,506	462	1,355	1,073	942	229	370
Immigrants.....	20,203	48,547	1,667	8,597	8,711	409	66	100
Nonimmigrant aliens.....	470	2,770	256	675	844	322	311	173
<b>Baltimore</b> .....	<b>44,707</b>	<b>31,283</b>	<b>914</b>	<b>511</b>	<b>725</b>	<b>153</b>	<b>274</b>	<b>154</b>
United States citizens.....	1,277	1,126	76	132	141	61	215	69
Immigrants.....	42,994	29,395	780	317	480	68	36	45
Nonimmigrant aliens.....	436	762	58	62	104	24	23	40
<b>New Orleans</b> .....	<b>18,422</b>	<b>11,674</b>	<b>11,199</b>	<b>11,052</b>	<b>12,477</b>	<b>11,665</b>	<b>13,299</b>	<b>12,202</b>
United States citizens.....	13,925	7,837	6,808	6,474	7,276	7,948	9,533	9,278
Immigrants.....	13,288	1,791	1,931	1,407	1,180	727	744	903
Nonimmigrant aliens.....	1,209	2,046	2,460	3,171	4,021	2,990	2,992	3,021
<b>San Francisco</b> .....	<b>10,729</b>	<b>14,053</b>	<b>19,587</b>	<b>24,738</b>	<b>22,853</b>	<b>13,477</b>	<b>14,864</b>	<b>18,116</b>
United States citizens.....	3,609	5,389	5,460	6,976	6,980	5,589	5,825	8,065
Immigrants.....	5,115	4,776	8,442	7,659	7,659	1,927	2,114	2,512
Nonimmigrant aliens.....	2,005	3,887	5,685	10,103	8,214	5,961	6,895	7,539
<b>Seattle</b> .....	<b>14,537</b>	<b>4,627</b>	<b>6,911</b>	<b>8,733</b>	<b>14,760</b>	<b>5,379</b>	<b>5,548</b>	<b>6,748</b>
United States citizens.....	1,667	794	614	1,739	2,971	1,926	1,996	3,154
Immigrants.....	13,136	2,208	3,938	4,046	7,131	1,233	1,444	1,011
Nonimmigrant aliens.....	1,734	1,625	2,359	2,948	4,658	2,220	2,108	2,583

<sup>1</sup> Average, 1906 to 1909.

Source: Annual Reports of the Commissioner General of Immigration, Department of Labor.

### No. 111.—DEPARTURES OF PASSENGERS FROM THE UNITED STATES FOR FOREIGN COUNTRIES: YEARS ENDED JUNE 30

	1900- 1909, average	1910- 1914, average	1915- 1919, average	1920- 1924, average	1923	1924	1925	1926	1927
<b>Total</b> .....	<b>487,425</b>	<b>904,423</b>	<b>416,948</b>	<b>588,088</b>	<b>471,187</b>	<b>494,595</b>	<b>549,813</b>	<b>600,235</b>	<b>632,296</b>
Male.....	324,402	631,827	319,331	384,871	277,973	304,290	338,670	349,956	361,966
Female.....	163,023	272,595	97,617	203,217	193,214	190,305	211,143	250,279	261,330
Children <sup>1</sup> .....	52,455	99,348	39,053	75,863	57,610	51,190	51,547	56,470	59,723
Adults <sup>1</sup> .....	434,970	805,074	377,895	512,225	413,577	443,405	498,266	543,765	563,573
Cabin <sup>2</sup> .....	193,822	457,514	209,593	323,302	325,068	346,392	364,771	399,033	410,126
Steerage <sup>3</sup> .....	293,603	446,909	207,355	264,786	146,119	148,203	185,042	201,202	213,171

<sup>1</sup> Prior to 1910 the division point is 12 years, from 1910 to 1917, inclusive, 14 years, thereafter, 16.

<sup>2</sup> Figures include departures by rail via the Canadian and Mexican borders.

<sup>3</sup> Prior to 1910 designated as "Other than cabin passengers."

Source: Prior to July 1, 1907, the Bureau of Statistics; subsequently, the Bureau of Immigration, Department of Labor.



## 5. EDUCATION

[NOTE.—Population figures for 1922, 1924 and 1925 used in this section are unrevised estimates and therefore do not agree with revised figures shown in Table 6, p. 3. The differences affect only slightly the ratios based on population. For educational activities of the United States Veterans' Bureau, see p. 156]

### No. 112.—SUMMARY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: CONTINENTAL UNITED STATES

	1870	1880	1890	1900	1910
Total population.....	<sup>1</sup> 38,558,371	<sup>1</sup> 50,155,783	<sup>1</sup> 62,947,714	<sup>1</sup> 75,994,575	<sup>1</sup> 91,972,206
Population 5-17 years, inclusive.....	<sup>1</sup> 12,055,443	<sup>1</sup> 15,065,767	<sup>1</sup> 18,543,201	<sup>1</sup> 21,538,024	<sup>1</sup> 24,239,948
Per cent of total population.....	31.3	30.1	29.6	28.3	26.4
Pupils enrolled in public schools.....	6,871,522	9,867,505	12,722,581	15,503,110	17,813,852
Per cent of total population.....	17.82	19.67	20.32	20.40	19.37
Per cent of population 5-17, inclusive.....	57.00	65.50	68.61	<sup>3</sup> 71.98	<sup>3</sup> 73.49
Average daily attendance.....	4,077,347	6,114,143	8,153,635	10,632,772	12,827,307
Per cent of number of pupils enrolled.....	59.3	62.3	64.1	68.6	72.1
Average number of days schools in session.....	132.2	130.3	134.7	144.3	157.5
Average number of days attended per enrolled pupil.....	78.4	81.1	86.3	99.0	113.0
Number of teachers.....	200,515	286,593	363,922	423,062	523,210
Male.....	77,529	122,795	125,525	126,588	110,481
Female.....	122,986	163,798	238,397	296,474	412,729
Per cent male teachers.....	38.7	42.8	34.5	29.9	21.1
Salaries: Teachers, supervisors, and principals (thousands of dollars).....	37,795	55,886	91,708	137,495	253,757
Average annual salary per teacher.....	<sup>4</sup> \$189	<sup>4</sup> \$195	<sup>4</sup> \$252	<sup>4</sup> \$325	<sup>4</sup> \$485
Total expenditure for education (thousands of dollars).....	63,397	78,095	140,507	214,965	426,250
Per capita of total population.....	\$1.64	\$1.56	\$2.24	\$2.84	\$4.64
Per capita of population 5-17, inclusive.....	\$5.26	\$5.16	\$7.63	<sup>3</sup> \$9.98	<sup>3</sup> \$17.51
Per capita of enrollment.....	\$9.23	\$7.91	\$11.04	\$13.87	\$23.93

	1920	1922	1924	1925	1926
Total population.....	<sup>1</sup> 105,710,620	<sup>1</sup> 109,248,393	<sup>1</sup> 112,078,611	<sup>1</sup> 113,493,720	<sup>1</sup> 117,135,000
Population 5-17 years, inclusive.....	<sup>1</sup> 27,728,788	<sup>1</sup> 28,627,201	<sup>1</sup> 29,345,911	<sup>1</sup> 29,705,264	<sup>1</sup> 30,064,621
Per cent of total population.....	26.2	26.1	26.2	26.2	25.6
Pupils enrolled in public schools.....	21,578,316	23,239,227	24,288,808	24,650,291	24,741,468
Per cent of total population.....	20.4	21.3	21.7	21.7	21.1
Per cent of population 5-17, inclusive.....	77.8	81.2	82.8	83.0	82.3
Average daily attendance.....	16,150,035	18,432,213	19,132,451	19,838,384	19,855,881
Per cent of number of pupils enrolled.....	74.8	79.3	78.8	80.5	80.3
Average number of days schools in session.....	161.9	164.0	168.3	169.6	169.3
Average number of days attended per enrolled pupil.....	121.2	130.6	132.5	136.5	135.9
Number of teachers.....	679,533	722,976	761,308	777,945	814,169
Male.....	95,666	118,065	128,731	131,164	138,810
Female.....	583,867	604,891	632,577	646,781	675,359
Per cent male teachers.....	14.1	16.3	16.9	16.9	17.0
Salaries: Teachers, supervisors, and principals (thousands of dollars).....	590,120	860,953	949,877	1,006,409	1,061,583
Average annual salary per teacher.....	<sup>4</sup> \$871	<sup>4</sup> \$1,166	<sup>4</sup> \$1,227	<sup>4</sup> \$1,252	<sup>4</sup> \$1,277
Total expenditure for education (thousands of dollars).....	1,036,151	1,580,671	1,820,744	1,946,097	2,026,308
Per capita of total population.....	\$9.80	\$14.47	\$16.25	\$17.15	\$17.30
Per capita of population 5-17, inclusive.....	\$37.37	\$55.22	\$62.04	\$65.51	\$67.40
Per capita of enrollment.....	\$48.02	\$68.02	\$74.96	\$78.95	\$81.90

<sup>1</sup> Census enumeration as of June 1, 1870, to 1900, Apr. 15, 1910, and Jan. 1, 1920.

<sup>2</sup> Census estimates for July 1.

<sup>3</sup> Figures do not agree with those in Tables 115 and 116, as the latter are based on estimated population 5 to 17 years of age.

<sup>4</sup> Computed from number of teaching positions.

<sup>5</sup> Computed from number of teaching positions plus supervisors and principals whose salaries are included.

Source: Bureau of Education, Department of the Interior.



## No. 115.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: EXPENDITURES

[NOTE.—Figures include new buildings as well as operation and equipment expenditures. Per capita expenditures for outlying territories and possessions for 1926 were as follows: Alaska, \$9.03; Canal Zone, \$16.18; Guam, \$4.16; Hawaii, \$13.90; Philippine Islands, \$1; Porto Rico, \$4.01; Virgin Islands, \$3.64; American Samoa, \$2.77]

State	Total expenditures (thousands of dollars)				Per capita of total population (dollars)				Per capita of population 5-17, inclusive (dollars)			
	1900	1910	1920	1926	1900	1910	1920	1926	1900	1910	1920	1926
<b>Continental United States</b>	<b>214,904</b>	<b>426,359</b>	<b>1,034,161</b>	<b>2,026,308</b>	<b>2.84</b>	<b>4.64</b>	<b>9.80</b>	<b>17.36</b>	<b>3.58</b>	<b>17.04</b>	<b>37.37</b>	<b>67.40</b>
Alabama	923	2,904	9,118	17,351	.50	1.36	3.83	6.87	1.42	4.25	11.85	20.90
Arizona	299	1,000	6,339	8,507	2.44	4.91	18.97	19.12	9.59	20.40	72.91	76.21
Arkansas	1,399	2,187	7,705	13,966	1.04	2.04	4.40	7.34	2.93	5.99	13.67	22.69
California	6,909	18,210	43,980	134,968	4.65	7.66	14.29	31.74	19.61	33.72	72.12	166.17
Colorado	2,793	5,211	13,200	20,550	5.18	6.52	14.05	25.07	23.53	27.03	56.94	101.38
Connecticut	3,189	5,450	16,318	32,943	3.51	4.91	11.62	20.51	14.92	21.35	50.12	86.56
Delaware	453	604	1,676	3,668	2.40	3.00	7.32	15.28	5.69	11.28	31.91	67.72
Dist. of Columbia	1,076	2,679	4,297	9,864	3.86	8.10	9.82	17.77	17.36	37.30	35.45	16.02
Florida	765	1,773	7,030	30,080	1.45	2.36	7.26	22.85	4.36	9.36	25.79	90.89
Georgia	1,980	4,419	9,076	17,358	.89	1.70	3.13	5.53	2.52	5.32	9.72	17.35
Idaho	400	2,175	8,591	9,023	2.47	6.68	19.86	17.28	9.14	23.87	70.68	62.04
Illinois	17,757	34,036	69,358	138,934	3.06	6.06	10.69	19.29	13.03	24.15	44.32	82.53
Indiana	8,182	14,910	35,704	61,323	3.25	5.32	12.26	19.63	11.02	21.71	50.18	63.06
Iowa	8,496	12,767	37,334	57,268	3.81	5.70	15.53	23.64	12.04	20.14	62.44	94.38
Kansas	4,622	9,812	26,257	35,603	3.14	5.81	14.84	19.56	9.95	19.54	56.71	75.16
Kentucky	3,037	5,648	8,117	17,599	1.41	2.47	3.36	6.97	3.93	7.98	11.56	24.37
Louisiana	1,135	4,252	11,366	19,785	.82	2.57	6.32	10.31	2.41	7.90	20.39	33.90
Maine	1,712	2,934	6,403	10,269	2.17	3.95	8.34	13.02	10.02	17.04	35.49	54.89
Maryland	2,803	3,793	8,242	21,770	2.30	2.92	5.69	13.78	8.43	10.49	22.61	57.95
Massachusetts	12,826	20,135	40,908	77,874	4.93	5.98	10.62	18.44	21.55	27.68	46.75	80.77
Michigan	7,297	14,590	47,663	99,447	3.01	5.20	13.00	22.62	9.88	19.24	54.69	100.17
Minnesota	5,630	13,734	35,734	51,930	3.21	6.60	14.97	19.59	10.11	22.49	58.04	79.69
Mississippi	1,385	2,726	5,474	12,000	.89	1.52	3.06	7.04	2.34	4.46	9.26	21.17
Missouri	7,816	13,067	28,707	53,217	2.52	3.97	8.43	15.21	8.09	14.45	33.41	61.95
Montana	923	2,633	12,207	11,667	3.79	7.01	22.24	16.64	19.43	31.40	88.88	66.05
Nebraska	4,403	7,454	20,580	39,349	4.13	6.27	13.88	21.19	13.66	20.77	59.75	81.68
Nevada	224	619	1,283	1,958	5.30	7.57	16.59	25.43	24.26	35.51	80.75	116.91
New Hampshire	1,002	1,654	3,810	6,905	2.56	3.84	8.60	15.21	11.56	17.79	38.19	67.30
New Jersey	6,606	17,064	40,909	92,900	3.51	6.72	12.06	24.09	12.62	27.33	53.27	106.34
New Mexico	343	793	4,139	5,254	1.76	2.43	11.49	13.54	6.26	9.27	38.33	44.96
New York	33,421	51,861	106,046	247,460	4.00	5.69	10.21	21.89	18.71	25.09	44.90	96.83
North Carolina	950	3,037	12,147	34,692	.90	1.89	4.75	12.14	1.39	4.40	14.48	37.47
North Dakota	1,526	4,549	12,893	14,355	4.78	7.69	19.92	22.39	16.54	27.19	64.81	64.32
Ohio	13,336	25,500	67,426	127,951	3.21	5.35	11.71	19.39	11.30	23.71	50.63	87.11
Oklahoma	696	6,736	22,906	29,068	1.72	4.07	11.29	12.41	5.71	12.99	36.00	40.26
Oregon	1,594	4,646	9,997	18,950	3.86	6.90	12.76	21.61	14.30	27.62	55.67	94.29
Pennsylvania	21,476	39,988	73,490	169,643	3.41	5.22	8.43	17.65	12.21	21.14	32.64	68.41
Rhode Island	1,548	2,486	4,796	10,300	3.61	4.59	7.69	14.66	15.36	20.63	33.33	66.59
South Carolina	894	1,951	6,637	16,087	.67	1.29	3.94	8.61	1.80	3.72	11.63	26.27
South Dakota	1,005	3,826	11,592	15,136	4.00	6.56	18.21	21.97	13.59	22.59	65.43	80.69
Tennessee	1,751	4,402	10,141	20,501	.87	2.02	4.34	8.31	2.53	6.32	14.33	27.61
Texas	4,465	11,777	33,606	65,239	1.46	3.02	7.21	12.28	4.18	9.09	23.81	42.40
Utah	1,094	3,062	8,239	10,013	3.96	8.19	18.34	19.48	11.95	25.08	61.22	65.82
Vermont	1,074	1,608	3,688	4,536	3.13	4.52	10.16	12.86	12.68	20.55	42.62	53.20
Virginia	1,969	4,407	12,975	21,623	1.07	2.15	5.62	8.66	3.15	6.77	18.82	29.62
Washington	2,376	10,463	20,595	30,728	4.59	9.21	15.18	19.96	16.53	40.66	66.59	88.06
West Virginia	2,009	4,094	11,402	26,235	2.10	3.36	7.79	15.72	9.97	11.57	26.28	53.80
Wisconsin	5,493	10,799	27,265	45,744	2.65	4.64	10.36	15.86	8.89	15.67	39.93	64.38
Wyoming	238	796	3,741	6,838	2.74	5.46	19.25	28.98	12.84	25.77	79.50	117.47

Source: Bureau of Education, Department of the Interior.

## No. 116.—ELEMENTARY AND SECONDARY SCHOOLS, PUBLIC

[NOTE.—The ratio of pupils enrolled to total population 5-17 years was 83.3 per cent in 1926. Per cent owing largely to the difficulty of accurately

State	Popula- tion, 5-17 years, inclusive, 1926	Public elementary and secondary schools						
		Pupils enrolled				Per cent number enrolled is of total population 5-17 years, inclusive		
		1900	1910	1920	1926	1900	1910	1920
Continental United States.....	27,738,788	15,503,110	17,813,858	21,578,318	24,741,008	72.4	73.1	77.5
Alabama.....	709,256	376,423	424,611	509,940	590,405	61.7	62.7	74.1
Arizona.....	86,941	16,504	31,312	76,505	81,030	51.9	62.0	88.0
Arkansas.....	563,659	314,662	395,979	483,172	496,927	71.0	80.0	85.7
California.....	679,119	369,736	368,391	606,238	1,016,473	79.6	78.6	(*)
Colorado.....	231,833	117,555	168,798	220,232	236,872	88.2	89.6	95.0
Connecticut.....	325,519	155,228	190,353	261,463	320,463	74.5	73.8	80.8
Delaware.....	52,535	36,895	35,950	38,483	39,297	75.8	71.5	72.3
District of Columbia.....	77,506	46,519	56,774	66,298	73,495	76.8	83.3	84.3
Florida.....	272,667	108,874	148,089	225,100	342,643	66.6	68.1	82.6
Georgia.....	933,368	482,673	555,794	* 690,918	689,230	65.3	66.8	* 74.0
Idaho.....	121,560	36,669	76,168	115,192	117,656	79.2	87.9	94.8
Illinois.....	1,564,806	958,911	1,002,687	1,127,560	1,331,329	72.7	71.7	72.1
Indiana.....	712,772	564,807	631,469	566,288	635,227	81.1	78.4	79.4
Iowa.....	597,914	586,223	510,661	514,521	556,270	89.1	86.9	86.1
Kansas.....	463,037	389,582	398,746	406,880	424,961	89.2	88.7	87.9
Kentucky.....	702,391	500,294	494,863	* 535,332	575,482	75.3	73.6	* 76.3
Louisiana.....	557,553	196,169	263,617	354,079	395,007	43.6	50.8	63.5
Maine.....	180,434	130,918	144,278	137,681	148,596	81.4	84.5	76.3
Maryland.....	301,297	222,373	228,393	241,618	263,249	67.0	69.9	66.9
Massachusetts.....	875,109	474,891	535,869	623,586	755,832	76.2	70.6	71.3
Michigan.....	871,856	504,985	541,501	691,674	871,063	77.1	78.0	79.2
Minnesota.....	615,733	399,207	440,063	503,597	549,899	77.6	77.9	81.6
Mississippi.....	691,103	386,507	469,137	* 412,670	572,988	73.3	80.4	* 69.8
Missouri.....	859,277	719,817	707,031	672,483	723,167	78.6	81.6	78.2
Montana.....	157,344	39,430	66,141	126,576	116,990	72.8	80.7	92.2
Nebraska.....	344,436	288,237	* 281,375	311,821	326,934	89.6	86.5	90.5
Nevada.....	15,419	6,676	* 10,200	14,114	15,614	74.1	73.9	91.5
New Hampshire.....	99,775	65,688	63,972	64,205	71,785	74.9	66.0	64.3
New Jersey.....	767,979	322,575	429,797	594,780	735,146	66.5	70.0	77.4
New Mexico.....	107,990	36,735	56,304	81,399	87,687	61.4	89.2	75.4
New York.....	2,351,888	1,209,574	1,422,069	1,719,841	1,967,447	69.6	67.8	72.8
North Carolina.....	638,845	400,452	530,404	691,249	818,739	63.0	73.5	82.4
North Dakota.....	108,799	77,688	139,802	168,283	172,818	81.3	85.4	84.6
Ohio.....	1,331,685	829,160	838,080	1,020,663	1,255,323	75.4	73.8	76.6
Oklahoma.....	630,340	99,602	422,399	589,282	648,946	79.8	82.9	92.6
Oregon.....	179,601	89,405	118,412	151,026	181,891	82.1	79.2	84.1
Pennsylvania.....	2,251,289	1,151,890	1,282,967	1,610,459	1,849,163	68.9	66.7	71.5
Rhode Island.....	143,011	67,231	80,061	93,501	111,428	66.8	63.1	65.4
South Carolina.....	569,916	281,891	340,415	478,045	483,269	60.7	67.3	83.9
South Dakota.....	177,188	98,622	126,253	146,955	164,551	79.5	77.7	82.9
Tennessee.....	707,933	485,354	521,753	619,852	653,876	75.1	79.3	87.6
Texas.....	1,411,202	659,598	821,631	1,035,648	1,210,127	64.7	67.2	73.4
Utah.....	134,001	73,042	91,611	117,406	141,788	81.0	84.3	87.2
Vermont.....	84,188	65,964	66,615	61,785	64,046	82.2	80.3	73.4
Virginia.....	689,398	370,595	402,109	505,190	551,475	63.2	64.3	73.3
Washington.....	309,294	115,104	215,688	291,063	320,288	87.9	85.3	94.1
West Virginia.....	433,832	232,343	276,458	346,256	382,830	76.6	77.9	79.8
Wisconsin.....	682,524	445,142	464,311	465,243	542,584	72.5	72.4	68.2
Wyoming.....	47,068	14,512	24,584	43,112	50,138	65.7	79.7	91.6
OUTLYING AREAS								
Alaska Territory.....	12,530			3,300	4,353			26.5
Canal Zone.....	4,080			2,486	4,728			85.4
Guam.....					2,913			
Hawaii Territory.....				41,350	58,800			
Philippine Islands.....				935,678	1,108,955			
Porto Rico.....				140,458	214,163			
Virgin Islands.....					3,118			
American Samoa.....					1,800			

\* Includes pupils in local normal and vocational schools of secondary grade. \* Figures for 1900-09.  
 † The enrollment in schools was 2.5 per cent larger than the number of persons 5-17 years of age in 1920.  
 ‡ Approximate. § Figures for 1891-92. ¶ Estimated. \*\* Elementary only.

## AND PRIVATE: ENROLLMENT AND ATTENDANCE

ages by States are not shown for that year, as they do not accurately portray the situation in many cases estimating the population 5-17 by States]

Public elementary and secondary schools—Continued							Private and parochial schools			State
Number enrolled, 1926		Average daily attendance	Average days attendance per year per pupil enrolled				Number enrolled			
Kinder- garten and ele- mentary	Second- ary <sup>1</sup>		1926	1927	1928	1929	1930	1931	1932	
20, 984, 088	3, 767, 466	19, 655, 831	98.1	112.0	121.2	135.9	1, 566, 437	2, 094, 642	2, 438, 725	C. U. S.
528, 954	51, 421	416, 521	<sup>2</sup> 61.9	73.6	79.4	97.0	16, 133	20, 484	19, 845	Alabama
70, 743	10, 291	61, 331	77.1	87.3	98.6	125.3	9, 913	3, 544	3, 415	Arizona
462, 175	34, 752	349, 657	48.1	68.6	85.2	103.0	5, 777	4, 434	8, 586	Arkansas
759, 679	256, 797	777, 728	121.6	142.0	120.2	138.2	32, 802	49, 714	55, 402	California
195, 101	41, 771	182, 374	93.4	114.4	127.0	147.0	4, 000	5, 796	11, 778	Colorado
279, 106	41, 357	265, 807	135.8	143.5	144.1	150.7	42, 216	68, 226	61, 664	Connecticut
23, 900	5, 707	32, 858	<sup>4, 5</sup> 109.8	108.3	129.2	154.1	3, 750	7, 081	6, 699	Delaware
60, 627	12, 468	60, 908	135.9	145.0	143.9	149.7	6, 000	23, 707	10, 696	Dist. of Col.
307, 603	35, 040	250, 355	89.7	90.9	98.0	109.7	8, 200	8, 190	8, 320	Florida
623, 684	65, 546	513, 017	69.2	92.5	98.0	107.8	6, 000	16, 730	7, 013	Georgia
95, 831	21, 825	94, 100	83.5	91.3	126.9	138.3	1, 500	4, 201	3, 266	Idaho
1, 005, 618	235, 711	1, 104, 830	123.4	133.7	144.9	153.4	<sup>7</sup> 167, 929	267, 777	249, 604	Illinois
488, 780	146, 447	586, 803	115.6	116.8	125.6	160.4	<sup>8</sup> 20, 751	35, 857	57, 952	Indiana
444, 376	111, 894	445, 935	<sup>1</sup> 103.0	121.4	137.2	141.1	50, 000	38, 760	45, 013	Iowa
340, 330	84, 631	357, 041	84.8	119.5	124.6	147.0	<sup>7</sup> 9, 708	27, 899	26, 263	Kansas
529, 909	65, 496	381, 779	<sup>4, 10</sup> 71.0	79.6	78.7	109.0	21, 295	20, 819	36, 438	Kentucky
349, 488	45, 519	298, 514	89.5	93.9	107.7	112.1	24, 000	31, 374	49, 109	Louisiana
121, 534	27, 082	131, 520	105.2	115.5	142.4	156.0	14, 187	18, 616	24, 496	Maine
229, 971	32, 278	214, 104	<sup>1</sup> 108.8	113.7	130.3	151.2	20, 000	30, 188	38, 348	Maryland
616, 889	138, 963	657, 831	145.7	154.2	149.6	156.3	96, 464	144, 624	163, 395	Massachusetts
744, 253	126, 830	708, 800	<sup>1, 1</sup> 113.6	140.0	129.6	152.3	<sup>7</sup> 61, 539	91, 177	120, 463	Michigan
465, 653	84, 046	445, 150	91.8	118.0	125.5	144.4	21, 000	54, 974	56, 194	Minnesota
529, 691	42, 106	416, 101	58.8	74.6	78.9	102.4	<sup>7</sup> 7, 500	9, 438	8, 431	Mississippi
612, 414	110, 753	599, 623	92.3	107.7	128.6	138.9	40, 000	65, 582	64, 539	Missouri
96, 649	20, 941	96, 615	85.5	115.5	120.7	140.8	6, 998	6, 476	9, 482	Montana
396, 828	60, 108	267, 833	102.7	118.9	122.3	149.9	<sup>1</sup> 9, 000	28, 073	24, 331	Nebraska
12, 804	2, 816	13, 216	108.4	106.0	125.8	146.5	350	548	-----	Nevada
50, 628	12, 167	62, 573	<sup>1, 4</sup> 99.1	128.6	144.3	151.8	14, 331	24, 342	26, 231	N. Hampshire
629, 774	105, 372	589, 835	<sup>1</sup> 119.2	138.9	151.3	149.6	65, 000	54, 697	124, 053	New Jersey
79, 539	8, 158	67, 727	<sup>1</sup> 59.0	66.4	120.5	135.2	5, 000	4, 777	7, 598	New Mexico
1, 643, 215	334, 232	1, 689, 223	131.8	149.0	148.8	159.4	267, 072	275, 965	373, 416	New York
734, 170	84, 599	605, 755	26.6	64.9	91.8	108.1	<sup>1</sup> 26, 200	26, 640	9, 253	N. Carolina
149, 665	23, 252	143, 548	87.3	94.9	127.4	138.5	1, 000	8, 902	7, 707	N. Dakota
1, 031, 644	223, 679	1, 072, 923	122.6	131.6	130.7	146.3	97, 832	124, 233	163, 124	Ohio
505, 884	82, 062	444, 349	81.0	78.8	100.5	102.0	4, 000	13, 685	7, 140	Oklahoma
142, 711	39, 180	159, 314	<sup>17</sup> 84.0	121.8	137.5	150.1	6, 233	9, 249	12, 029	Oregon
1, 581, 787	267, 398	1, 550, 274	123.6	133.0	139.0	151.5	175, 000	171, 532	293, 785	Pennsylvania
96, 696	14, 942	93, 147	<sup>1</sup> 135.4	148.8	142.9	158.8	17, 781	26, 600	31, 455	Rhode Island
435, 423	47, 844	345, 402	83.2	75.4	76.0	102.9	10, 660	10, 142	3, 628	S. Carolina
126, 166	26, 365	138, 266	113.4	106.0	112.4	141.9	1, 840	5, 805	9, 290	S. Dakota
600, 584	53, 202	453, 229	67.0	90.6	98.5	105.5	37, 124	27, 300	10, 241	Tennessee
1, 015, 951	194, 176	1, 031, 772	73.6	84.8	112.0	114.9	<sup>1</sup> 10, 000	26, 790	38, 608	Texas
110, 685	31, 069	115, 186	101.4	124.6	138.5	141.2	6, 500	7, 794	3, 964	Utah
53, 561	10, 495	54, 902	111.3	125.1	131.6	146.3	<sup>1</sup> 4, 000	8, 009	10, 564	Vermont
481, 799	69, 676	424, 663	<sup>1</sup> 67.5	90.4	102.2	122.7	23, 662	15, 412	13, 263	Virginia
258, 814	70, 474	262, 661	97.0	124.7	128.1	142.7	7, 209	16, 284	17, 631	Washington
246, 716	36, 114	307, 250	69.0	92.2	102.8	132.2	1, 500	6, 542	8, 703	W. Virginia
415, 689	126, 696	474, 947	<sup>1</sup> 111.4	124.4	138.9	156.0	57, 366	81, 327	95, 611	Wisconsin
40, 474	9, 684	42, 140	<sup>1</sup> 77.0	101.5	117.4	143.0	<sup>6</sup> 116	1, 356	610	Wyoming
3, 772	581	3, 559	-----	-----	132.3	138.9	-----	-----	-----	Alaska
4, 303	425	4, 116	-----	-----	114.2	146.8	-----	-----	-----	Canal Zone,
2, 837	76	2, 861	-----	-----	-----	199.4	-----	-----	109	Guam
54, 782	4, 078	55, 740	-----	-----	168.3	158.4	-----	8, 261	9, 651	Hawaii
1, 052, 794	55, 156	961, 375	-----	-----	156.0	169.9	-----	40, 379	74, 454	Philippines
379, 201	7, 662	182, 365	-----	-----	145.7	157.5	-----	6, 567	6, 463	Porto Rico
2, 070	49	2, 015	-----	-----	-----	193.3	-----	-----	1, 162	Virgin Islands
1, 800	-----	1, 600	-----	-----	-----	165.0	-----	-----	400	A. Samoa

<sup>1</sup> Figures for 1908-9.

<sup>2</sup> Figures for 1919.

<sup>3</sup> Figures for 1896-97.

<sup>4</sup> Enrollment figures from report of the Bureau of the Census.

<sup>5</sup> Figures for 1907-08.

Source: Bureau of Education, Department of the Interior.

# No. 117.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: NUMBER AND SALARY OF TEACHERS

(NOTE.—Number of teachers includes some superintendents, principals, and supervisors, as some States do not report them separately. Average salary refers in 1900 to annual salary of teachers and supervising officers in cities of 8,000 or over; in 1910, to monthly salary of teachers. Both total salaries and annual average salary in 1926 refer to salaries of teachers, supervisors, and principals, the latter being based on number of teaching positions plus number of supervisors and principals.)

State	Number of teachers				Salaries of teachers, etc. (thousands of dollars)	Per cent of teachers male			Average salary (dollars)		
	1900	1910	1920	1926	1926	1900	1910	1926	Annual, 1900	Monthly, 1910	Annual, 1926
Continental United States.....	481,888	523,210	679,533	814,100	1,061,883	29.9	31.1	17.0	670.81	81.70	1,277
Alabama.....	6,578	8,756	12,558	15,585	20,464	30.1	25.0	17.7	457.04	55.18	676
Arizona.....	399	851	1,955	2,742	4,413	27.3	17.0	16.6	.....	84.98	1,575
Arkansas.....	6,950	9,522	10,476	12,720	8,434	50.7	47.0	32.4	578.81	55.00	686
California.....	7,605	11,369	19,343	32,285	67,489	17.8	13.8	14.8	942.06	80.12	1,905
Colorado.....	3,597	5,200	7,386	9,512	12,836	20.9	15.6	16.8	776.65	63.22	1,290
Connecticut.....	4,100	5,277	8,455	9,356	16,376	19.0	6.2	8.3	578.74	58.95	1,572
Delaware.....	840	993	1,134	1,409	1,973	25.3	13.7	12.6	496.25	44.16	1,356
District of Columbia.....	1,226	1,631	2,098	2,578	5,566	13.1	11.5	11.5	682.99	98.41	2,008
Florida.....	2,729	4,016	6,819	10,435	8,403	36.9	25.7	11.7	412.85	52.10	831
Georgia.....	10,120	12,625	15,921	17,881	12,238	44.0	24.4	14.8	528.00	44.90	684
Idaho.....	1,080	2,232	3,982	4,320	5,175	31.2	25.5	22.1	.....	69.96	1,134
Illinois.....	26,313	29,384	36,599	44,572	69,142	26.4	18.5	18.3	745.12	69.51	1,515
Indiana.....	15,617	17,267	17,209	21,069	31,037	46.2	35.7	27.4	599.06	65.93	1,261
Iowa.....	28,694	27,596	27,660	25,200	28,541	17.2	9.8	10.5	470.88	47.92	1,241
Kansas.....	11,513	13,467	16,969	18,900	21,677	32.7	18.0	18.1	517.60	63.30	1,114
Kentucky.....	9,900	11,100	13,248	15,016	12,190	45.5	41.7	26.0	583.09	39.37	777
Louisiana.....	4,157	6,286	8,965	11,011	10,281	47.9	21.4	14.9	499.70	52.27	862
Maine.....	6,445	7,457	7,020	6,824	5,268	16.4	11.2	12.2	448.06	36.89	844
Maryland.....	5,127	5,514	6,675	8,447	10,796	21.7	17.1	14.2	.....	54.48	1,353
Massachusetts.....	13,575	15,321	19,086	24,315	41,571	8.8	9.1	12.7	728.09	69.95	1,618
Michigan.....	15,564	17,987	24,302	30,327	45,782	20.8	14.0	18.6	540.55	56.01	1,510
Minnesota.....	10,586	15,157	19,575	21,958	27,494	19.4	12.0	11.3	628.33	52.50	1,215
Mississippi.....	8,166	10,166	11,962	13,902	8,945	44.2	31.0	20.7	.....	42.50	582
Missouri.....	16,201	18,365	21,126	26,157	28,009	37.6	26.4	23.6	587.26	57.18	1,153
Montana.....	1,214	2,250	7,216	6,245	6,457	16.6	12.0	11.6	644.10	72.63	1,006
Nebraska.....	9,463	11,099	14,873	14,511	15,656	21.8	11.9	11.8	620.39	55.24	1,047
Nevada.....	324	489	704	788	1,243	11.1	10.8	11.3	.....	81.69	1,479
New Hampshire.....	2,970	3,040	3,047	3,011	3,499	8.9	7.1	11.3	520.87	39.75	1,164
New Jersey.....	8,689	12,087	17,440	21,807	44,400	12.9	12.3	11.1	597.31	77.77	1,930
New Mexico.....	966	1,474	2,752	3,160	3,315	55.2	34.4	22.2	.....	67.62	1,028
New York.....	34,848	45,074	61,703	74,065	141,443	14.9	11.7	11.9	861.41	88.15	2,025
North Carolina.....	7,387	11,216	16,552	23,128	17,938	40.4	28.5	17.9	.....	34.40	761
North Dakota.....	4,082	7,387	8,975	8,828	7,602	28.8	17.4	15.7	.....	52.96	905
Ohio.....	26,017	27,841	33,751	40,226	59,976	40.4	31.1	20.3	620.14	58.66	1,411
Oklahoma.....	2,343	9,473	15,389	18,619	18,238	42.8	26.2	24.6	351.89	59.06	979
Oregon.....	3,742	4,453	7,778	7,663	10,013	28.4	19.4	15.8	651.56	58.63	1,267
Pennsylvania.....	29,390	35,496	44,111	54,129	61,863	32.0	22.6	18.9	582.02	51.12	1,468
Rhode Island.....	1,913	2,371	2,971	3,599	5,185	9.5	8.9	10.0	618.00	66.62	1,478
South Carolina.....	5,564	6,968	9,099	12,846	9,770	43.5	23.1	16.1	434.83	51.95	761
South Dakota.....	4,802	6,065	7,853	8,121	7,683	24.4	16.6	10.0	494.47	56.21	923
Tennessee.....	9,195	10,266	13,277	17,109	12,963	54.0	37.0	22.9	502.20	40.90	778
Texas.....	15,020	20,742	29,601	37,940	36,901	48.9	30.8	20.6	582.96	59.69	637
Utah.....	1,406	2,369	3,904	4,082	5,465	30.6	26.6	22.2	540.29	79.03	1,304
Vermont.....	3,742	3,257	2,902	2,921	2,851	13.6	8.9	8.0	455.69	54.75	899
Virginia.....	8,836	10,443	14,271	17,055	13,118	3.6	19.9	12.6	474.63	38.82	746
Washington.....	13,321	7,170	9,877	10,063	16,803	28.9	20.0	12.7	616.29	66.27	1,516
West Virginia.....	7,179	8,782	11,221	14,358	15,717	57.9	46.0	31.6	432.11	39.90	1,072
Wisconsin.....	13,063	14,725	17,004	20,233	26,261	18.4	11.8	14.9	548.53	54.85	1,237
Wyoming.....	570	1,109	2,232	3,041	3,504	15.6	12.8	12.7	.....	60.35	1,143
OUTLYING AREAS											
Alaska Territory.....			164	197	316			9.6			1,561
American Samoa.....				43	13			86.7			294
Canal Zone.....			102	125	205			38.4			1,553
Guam.....				112	41			42.0			357
Hawaii Territory.....			21,326	1,970	3,096			13.8			1,365
Philippine Islands.....			1,254	25,208	5,690			58.5			
Porto Rico.....			3,832	4,478	3,924			28.1			875
Virgin Islands.....				120	72			29.2			587

<sup>1</sup> Revised figure, 423,062, not distributed by States.

<sup>2</sup> Includes 231 part-time teachers.

<sup>3</sup> Elementary only.

<sup>4</sup> Estimated number of teachers for 7,525 teaching positions.

<sup>5</sup> Estimated.

<sup>6</sup> 1891-92.

<sup>7</sup> 1898-99.

<sup>8</sup> 1890-97.

<sup>9</sup> 1908-9.

<sup>10</sup> Includes superintendents and supervisors.

<sup>11</sup> 1907-8.

<sup>12</sup> 1897-98.

<sup>13</sup> Figures for 1925.

Source: Bureau of Education, Department of the Interior.

### No. 118.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: NUMBER OF TEACHERS AND PUPILS, 1925-26

[NOTE.—Data for public high schools are compiled from reports from the schools and include seventh and eighth grades in junior high, see also headnote, Table 114. Data for teachers and pupils in private high schools and academies are as furnished by reporting schools supplemented by reports from the State departments of education and information furnished by the National Catholic Welfare Association; they are therefore more complete than figures published for prior years.]

State	Public high schools					Private high schools and academies				
	Number reporting	Teachers		Pupils		Number reporting	Teachers		Pupils	
		Male	Female	Male	Female		Male	Female	Male	Female
<b>Continental United States</b>	17,710	58,486	105,049	1,780,374	1,960,099	2,350	7,397	13,748	123,398	167,297
Alabama	220	509	1,150	18,778	23,112	47	150	226	2,674	3,710
Arizona	41	191	309	4,828	5,209	5	19	25	137	180
Arkansas	255	488	743	13,746	16,206	26	81	90	1,229	1,448
California	406	3,756	7,113	113,767	115,099	109	286	580	3,706	6,549
Colorado	190	734	1,508	22,764	25,004	14	43	93	675	854
Connecticut	92	539	1,362	22,121	23,617	58	370	627	5,871	5,591
Delaware	25	93	179	2,787	3,281	6	27	—	547	479
District of Columbia	15	211	541	7,630	8,963	30	92	209	1,532	1,907
Florida	177	451	1,243	17,428	21,002	25	58	115	728	1,156
Georgia	313	710	1,107	18,861	23,439	36	87	136	1,185	1,880
Idaho	181	372	544	9,680	10,967	11	17	47	362	533
Illinois	958	3,739	6,015	104,663	109,678	113	359	806	15,502	14,904
Indiana	809	2,929	3,878	67,247	72,213	36	162	186	1,894	2,583
Iowa	917	2,164	4,164	55,448	63,431	102	65	455	3,026	4,293
Kansas	722	1,816	3,353	48,529	54,658	33	68	125	1,378	1,777
Kentucky	540	878	1,263	21,864	27,215	74	99	254	1,888	3,070
Louisiana	251	496	946	12,069	17,108	50	99	286	2,435	3,204
Maine	212	415	798	12,766	14,308	54	128	228	2,833	3,152
Maryland	157	546	1,131	19,270	22,511	50	166	231	2,006	2,118
Massachusetts	347	2,067	5,035	82,094	86,332	117	413	766	6,173	10,261
Michigan	567	2,517	4,524	77,707	85,700	77	274	615	4,893	6,937
Minnesota	529	1,492	3,868	47,281	59,550	52	148	374	2,967	3,756
Mississippi	327	519	875	11,010	14,137	33	84	128	1,568	1,373
Missouri	725	1,795	2,765	49,840	55,635	61	158	342	3,039	3,968
Montana	191	404	716	10,310	12,310	11	21	60	496	724
Nebraska	585	1,105	2,145	29,752	35,942	35	48	181	1,037	1,782
Nevada	23	66	124	1,571	1,525	—	—	—	—	—
New Hampshire	105	241	533	7,784	8,419	28	—	106	2,948	1,566
New Jersey	174	1,440	2,821	52,441	53,522	77	362	366	5,834	3,676
New Mexico	92	172	297	4,112	4,733	17	24	51	482	720
New York	766	4,615	9,950	209,292	198,559	258	927	1,468	18,373	16,705
North Carolina	567	1,083	1,568	28,655	37,648	57	173	196	3,791	4,073
North Dakota	355	528	636	9,630	13,445	16	18	58	292	637
Ohio	1,077	4,169	8,390	121,907	128,333	105	266	704	7,060	9,585
Oklahoma	519	1,332	2,128	37,196	43,734	38	43	102	648	920
Oregon	249	632	1,180	18,652	21,061	21	52	92	816	830
Pennsylvania	999	4,602	6,937	136,825	148,436	145	550	934	9,970	12,009
Rhode Island	22	175	410	6,606	7,445	17	85	98	1,268	1,095
South Carolina	224	477	847	12,206	15,620	22	50	69	863	1,065
South Dakota	287	543	793	10,686	13,816	13	22	53	342	671
Tennessee	307	718	1,227	19,835	25,170	42	159	133	2,579	1,808
Texas	722	1,865	3,425	58,154	66,699	51	136	259	1,973	2,389
Utah	71	476	486	12,442	12,723	7	55	73	1,305	1,483
Vermont	76	147	332	4,839	5,460	18	45	97	892	1,359
Virginia	353	694	1,693	21,672	28,730	67	272	228	3,745	2,823
Washington	313	1,102	1,795	33,828	37,293	27	138	214	2,003	1,965
West Virginia	240	798	1,164	19,316	22,758	18	46	95	654	831
Wisconsin	425	1,506	2,862	44,887	51,326	39	172	222	2,835	2,804
Wyoming	62	188	362	4,986	5,717	2	6	5	40	34
<b>OUTLYING AREAS</b>										
Alaska Territory	12	16	24	280	257	—	—	—	—	—
Canal Zone	2	4	13	197	242	—	—	—	—	—
Hawaii Territory	13	78	135	2,725	2,181	9	60	91	1,485	1,193
Philippine Islands	35	329	181	15,754	8,616	41	—	—	14,354	7,947
Porto Rico	15	69	112	2,199	2,200	16	—	—	298	675
Virgin Islands	3	7	10	122	81	—	—	—	—	—

Source: Bureau of Education, Department of the Interior.



## No. 119.—SCHOOL STATISTICS OF NONCONTIGUOUS TERRITORIES AND POSSESSIONS

	1899-1900 <sup>1</sup>	1909-10	1914-15	1920-21	1924-25	1925-26	1926-27
<b>HAWAII TERRITORY</b>							
Public schools:							
Number	140	152	170	174	176	182	187
Teachers	352	486	735	1,362	1,719	1,977	2,145
Male	112	106	139	156	222	278	337
Female	240	380	596	1,207	1,497	1,699	1,808
Pupils	11,501	19,909	28,827	41,151	55,044	58,800	62,208
Male	6,339	10,987	15,529	21,625	28,256	30,344	32,019
Female	5,162	8,922	13,299	19,526	26,788	28,456	30,189
Public and private schools <sup>2</sup>							
Pupils	15,537	25,537	36,528	48,724	55,044	58,800	62,208
Hawaiian	4,977	4,381	3,866	3,966	3,875	3,465	3,323
Part-Hawaiian	2,631	3,842	4,494	6,097	5,566	5,978	6,526
Anglo-Saxon	1,250	1,505	1,894	2,503	1,816	2,101	2,345
Spanish				398	315	292	273
Portuguese	3,800	4,662	5,701	6,457	5,704	5,859	5,869
Japanese	1,352	7,078	13,553	20,608	28,368	30,295	32,316
Chinese	1,289	2,855	3,916	4,974	5,273	5,646	5,890
Porto Rican		372	934	1,199	1,043	1,047	1,081
Korean		260		898	1,092	1,149	1,310
Filipino				1,174	1,045	2,200	2,570
All other	229	562	1,700	460	582	726	756
<b>PORTO RICO</b>							
Population	953,243	*1,118,012	1,200,000	*1,327,897	*1,402,801	*1,422,000	*1,440,000
Persons of school age	322,393	*390,640	419,282	*450,605	*482,237	*490,145	*498,000
Persons attending school	25,528	121,453	168,319	193,269	234,884	213,641	213,821
Teachers	525	1,092	2,461	3,354	4,952	4,478	4,483
Public school buildings	( <sup>3</sup> )	274	449	596	760	905	991
Rented buildings	( <sup>3</sup> )	751	1,045	1,315	1,737	1,376	1,193
Schoolrooms	525	( <sup>3</sup> )	2,449	3,166	( <sup>3</sup> )	4,445	4,464
School expenditures	\$288,008	\$1,244,502	\$1,904,720	\$4,063,385	\$7,152,780	\$6,556,361	\$6,438,842
For university				\$246,762	\$337,000	\$539,225	\$585,945
Expenditures per inhabitant	\$0.30	\$1.11	\$1.59	\$3.08	\$5.10	\$4.61	\$4.47
<b>PHILIPPINE ISLANDS</b>							
Schools	2,285	4,531	4,187	6,904	7,397	7,276	
Primary	2,233	4,295	3,837	6,101	6,190	5,991	
Intermediate	17	198	309	738	1,146	1,180	
Secondary	35	38	41	65	61	107	
Teachers	4,641	9,007	9,845	20,925	25,701	25,175	
American	787	732	538	315	310	268	
Filipino	3,854	8,275	9,307	20,610	25,391	24,887	
Highest monthly enrollment	*727,600	*451,936	*536,939	*836,281	*1,073,297	*1,014,008	
<b>ALASKA TERRITORY</b>							
Native schools <sup>10</sup>							
Number	25	77	67	67	85	86	86
Pupils enrolled	1,753	3,984	3,436	3,610	3,912	3,703	3,616
Average attendance		1,692	1,963	2,367	2,632	2,550	2,451
Teachers	27	103	102	139	157	159	167
Teachers' salaries	\$18,341	\$85,834	\$94,358	\$123,302	\$179,955	\$192,045	\$209,025
Total cost	\$29,274	\$195,613	\$199,574	\$274,991	\$404,430	\$434,030	\$437,700
White schools <sup>11</sup>							
Teachers			105	165	199	211	232
Pupils enrolled		13,621	2,503	3,482	4,125	4,352	4,915
Average attendance				2,729	3,353	3,560	3,756
Expenditures		\$36,485	\$167,633	\$371,535	\$455,562	\$483,587	\$502,861

<sup>1</sup> Statistics for Porto Rico are for 1909-09, for Philippine Islands, for 1903-4.<sup>2</sup> Statistics for private schools for 1909-10 and 1914-15 are as of Dec. 31 of 1909 and 1914, respectively. Statistics for 1924-25, 1925-26, and 1926-27 are for public schools only, the number of pupils in private schools being 9,872, 9,631, and 10,316, respectively.<sup>3</sup> Census of 1910.<sup>4</sup> Census estimates as of July 1, 1921, 1925, 1935, and 1927.<sup>5</sup> No school buildings on the island, the 525 schools in operation being conducted, as a rule, in teachers' residences.<sup>6</sup> Not available.<sup>7</sup> March.<sup>8</sup> September.<sup>9</sup> Average monthly enrollment.<sup>10</sup> Statistics for 1899-1900 are for all public schools.<sup>11</sup> Including mixed schools outside of incorporated towns and districts.<sup>12</sup> Native and mixed schools outside of incorporated towns only.

Sources: Hawaii and Porto Rico, reports of the Governor of Hawaii and Porto Rico, respectively. Philippine Islands, reports of the director of education. Alaska, native schools, Bureau of Education, Department of the Interior; white schools, reports of the Governor of Alaska.

**No. 120.—NORMAL SCHOOLS AND TEACHERS' COLLEGES (STATE, COUNTY, CITY, AND PRIVATE): CONTINENTAL UNITED STATES**

	1900	1910	1920	1924	1926
<b>ALL NORMAL SCHOOLS AND TEACHERS' COLLEGES</b>					
Number reporting.....	305	264	371	382	402
Instructors, total.....	4,367	5,914	9,567	12,517	14,231
Men.....	1,856	2,195	3,560	4,949	5,774
Women.....	2,511	3,719	6,027	7,568	8,457
Students in all courses, total.....	<sup>1</sup> 116,549	<sup>1</sup> 132,488	162,796	273,107	294,064
Men.....	47,851	37,823	29,149	53,351	63,993
Women.....	68,698	94,615	133,647	219,756	230,071
Students in normal courses, total.....	69,551	88,561	135,418	245,649	270,206
Men.....	24,157	19,746	19,110	42,532	54,221
Women.....	45,394	68,815	116,308	203,117	215,985
Graduates from normal courses during year.....	11,359	15,430	21,012	40,484	47,310
Enrollment in model schools.....	35,397	66,180	92,446	85,585	73,092
Volumes in libraries.....	807,963	1,521,528	2,385,238	2,926,023	3,225,994
Receipts, all sources.....	\$5,231,856	\$14,688,220	\$31,395,389	\$48,948,518	\$64,693,494
<b>STATE NORMAL SCHOOLS AND TEACHERS' COLLEGES</b>					
Number.....	127	151	183	196	203
Instructors.....	2,199	3,840	7,281	10,153	11,465
Students in all courses.....	<sup>1</sup> 60,309	<sup>1</sup> 94,143	140,805	239,226	259,693
Students in normal courses.....	41,655	71,447	119,024	219,906	243,047
<b>TEACHERS' COLLEGES (INCLUDED ABOVE)</b>					
Number.....			45	88	101
Instructors.....			2,569	6,022	7,422
Students in all courses.....			61,906	151,562	177,816
Students in normal courses.....			54,721	140,029	167,862
<b>CITY AND COUNTY NORMAL SCHOOLS</b>					
Number.....	30	40	128	119	135
Instructors.....	550	845	1,098	843	1,098
Students in all courses.....	7,565	16,940	12,527	15,689	16,067
Students in normal courses.....	4,592	7,773	12,510	15,689	16,067
<b>PRIVATE NORMAL SCHOOLS</b>					
Number.....	148	73	60	67	64
Instructors.....	1,618	1,229	1,208	1,521	1,668
Students in all courses.....	48,675	21,355	9,464	18,192	18,304
Students in normal courses.....	23,304	9,341	3,884	10,064	11,092

<sup>1</sup> A number of pupils in model schools are included in these data.

Source: Bureau of Education, Department of the Interior.

## No. 121.—NORMAL SCHOOLS AND

State		Public normal schools and teachers' colleges									
		All schools and teachers' colleges									
		Number		Teachers				Pupils			
				Male		Female		Male		Female	
		1910	1925	1910	1925	1910	1925	1910	1925	1910	1925
Continental States.	United States.	100	330	1,000	5,007	3,122	7,476	20,185	65,010	82,320	210,844
Alabama.....		5	7	40	103	45	164	842	1,300	983	6,046
Arizona.....		2	2	15	43	11	48	70	800	234	1,219
Arkansas.....		2	2	15	44	9	34	270	641	284	1,228
California.....		5	7	36	202	87	243	450	1,994	2,780	8,368
Colorado.....		1	2	27	170	11	130	200	765	1,078	4,612
Connecticut.....		5	5	11	20	73	172	342		1,061	1,047
District of Columbia.....		2	2	2	4	26	41	14	37	333	682
Florida.....		1		13		15		112		159	
Georgia.....		1	6	8	49	24	127	139	621	682	1,613
Idaho.....		2	2	18	30	15	48	124	190	334	1,299
Illinois.....		6	7	80	271	102	352	1,964	3,203	5,131	14,290
Indiana.....		2	4	31	137	29	167	773	2,248	2,524	4,800
Iowa.....		1	2	87	125	51	182	552	1,211	2,809	6,511
Kansas.....		3	8	57	162	56	152	1,170	2,715	2,208	6,474
Kentucky.....		4	6	42	134	34	128	1,090	2,170	1,803	5,755
Louisiana.....		2	3	12	69	49	61	310	485	1,249	2,698
Maine.....		7	7	12	30	58	100	429	288	1,119	2,233
Maryland.....		4	5	7	21	33	120	48	180	574	1,673
Massachusetts.....		11	12	75	124	187	167	140	456	2,043	4,809
Michigan.....		5	41	70	262	150	516	1,047	3,069	5,527	11,324
Minnesota.....		6	6	46	77	108	172	482	568	3,800	5,847
Mississippi.....		2	3	6	42	3	37	190	565	232	1,469
Missouri.....		7	9	112	255	100	258	2,100	3,205	4,000	10,675
Montana.....		1	1	7	40	16	60	11	163	175	1,710
Nebraska.....		2	4	20	66	37	123	1,026	1,181	1,671	4,073
New Hampshire.....		1	3	4	24	17	48	1	60	171	1,172
New Jersey.....		6	6	39	32	141	181	1,377	129	2,916	3,472
New Mexico.....		2	3	8	41	21	39	214	401	458	1,111
New York.....		18	16	119	238	511	219	3,135	1,526	11,265	14,150
North Carolina.....		5	6	22	69	73	120	292	548	1,545	4,306
North Dakota.....		2	5	23	94	35	137	187	935	794	4,594
Ohio.....		7	49	42	144	71	250	610	3,583	1,366	4,441
Oklahoma.....		5	7	66	295	65	166	1,475	4,120	2,702	12,044
Oregon.....		2	1	12	17	17	66	140	102	333	1,698
Pennsylvania.....		17	17	204	261	288	635	3,823	3,045	7,498	14,114
Rhode Island.....		1	1	6	12	44	63	187	28	600	800
South Carolina.....		2	1	24	44	53	41	267	388	969	610
South Dakota.....		4	4	35	101	59	117	454	734	936	3,171
Tennessee.....			5	184		146		1,802			6,765
Texas.....		3	9	28	431	27	358	652	7,836	1,249	9,572
Utah.....											
Vermont.....		3	1	8	2	21	8	9	4	262	145
Virginia.....		4	7	74	84	107	246	869	478	1,965	6,964
Washington.....		3	3	29	74	40	107	190	870	1,096	4,139
West Virginia.....		7	8	40	161	65	131	1,460	1,540	1,748	5,402
Wisconsin.....		15	36	91	269	143	261	658	2,870	2,402	7,559
O. T. I. V. I. N. G. A. R. E. A. S.											
Hawaiian Territory.....					19		41		119		630
Philippine Islands.....					65		14		1,062		1,651

\* Does not include students in private teachers' colleges as follows: 549 in Illinois, 2,499 in Indiana, 3,150 in Tennessee.

## TEACHERS' COLLEGES: BY STATES

Public normal schools and teachers' colleges—Continued									Private normal schools, 1926 <sup>1</sup>			State
1926												
Teachers' colleges			State normal schools			City and county normal schools						
Num-ber	Teach-ers	Pupils	Num-ber	Teach-ers	Pupils	Num-ber	Teach-ers	Pupils	Num-ber	Teach-ers	Pu-pils	
101	7,422	177,816	108	4,043	81,877	135	1,098	16,067	64	1,668	18,304	Continental United States.
2	91	1,519	7	267	7,406				1	260	1,080	Alabama.
1	45	1,510	1	33	359							Arizona.
7	445	10,362							2	23	222	Arkansas.
2	300	5,368							1	32	188	California.
			4	172	968	1	20	79	4	42	408	Colorado.
						2	45	719	1	15	196	Connecticut.
2	88	1,029	3	59	1,091	1	29	114	1	7	10	Dist. Columbia.
			2	78	1,589				1	26	463	Florida.
6	494	12,739				1	129	3,754	6	103	1,285	Georgia.
4	304	7,048							2	54	458	Idaho.
1	296	7,654				1	12	68	1	19	159	Illinois.
3	314	9,189										Indiana.
3	189	5,845	2	64	1,794	1	9	286				Iowa.
1	100	2,173	1	34	644	1	16	366				Kansas.
			6	119	2,497	1	11	24				Kentucky.
			4	124	1,736	1	17	97	1	10	40	Louisiana.
6	214	3,193	5	176	2,055	1	1	17	9	201	1,609	Maine.
5	680	13,613				36	98	770				Maryland.
2	96	1,863	4	153	4,532				2	29	440	Massachusetts.
1	39	1,439	2	40	595							Michigan.
7	485	13,225				2	38	655	1	4	7	Minnesota.
4	209	5,254	1	100	1,873							Mississippi.
									2	24	320	Missouri.
			2	67	1,216	1	5	16				Montana.
2	68	1,405	5	188	3,320	1	25	281	2	43	1,735	Nebraska.
2	197	3,522	1	12	107							New Hampshire.
1	53	1,321	9	416	7,329	5	260	5,124	7	218	2,250	New Jersey.
3	168	4,232	5	136	3,533				2	116	2,155	New Mexico.
3	227	6,687	2	63	1,297							New York.
6	413	15,108				45	167	1,337	4	70	525	North Carolina.
			1	47	1,056							North Dakota.
			1	83	1,800				2	38	432	Ohio.
			14	722	15,838	3	74	1,321	3	26	312	Oklahoma.
1	75	888										Oregon.
1	85	908							1	13	250	Pennsylvania.
4	218	3,905							2	43	577	Rhode Island.
4	283	7,260	1	47	1,307				2	42	648	South Carolina.
8	756	16,868	1	33	542							South Dakota.
									1	25	199	Tennessee.
			1	10	149							Texas.
4	232	5,513	1	71	1,776	2	27	153	1	164	1,873	Utah.
			3	181	5,009				2	21	463	Vermont.
4	214	5,235	4	78	1,747							Virginia.
1	45	831	9	470	8,712	29	115	886				Washington.
												West Virginia.
			1	60	749							Wisconsin.
			1	64	1,446	2	48	1,257				OUTLYING AREAS
												Hawaii Ter.
												Philippine Is-
												lands.

<sup>1</sup> Resident students, all courses.

Source: Bureau of Education, Department of the Interior.

## No. 122.—UNIVERSITIES, COLLEGES, AND

Year and State	Num- ber of in- stitu- tions	Students							
		Professors and Instructors		Preparatory		Collegiate		Postgraduate	
		Male	Female	Male	Female	Male	Female	Male	Female
CONTINENTAL UNITED STATES									
1900	657	6,834	1,084	29,530	22,219	44,650	20,624	1,973	409
1900.	664	14,546	3,674	34,814	21,471	68,047	36,061	4,112	1,719
1910	602	21,813	2,854	42,616	17,776	113,074	40,792	6,504	2,649
1920.	670	34,111	6,771	38,398	20,911	212,403	128,677	9,837	5,775
1922	780	39,393	10,445	45,782	21,867	254,514	160,292	15,046	7,970
1924	913	44,345	11,934	38,825	23,033	289,817	196,482	18,444	10,355
1926	975	48,649	13,075	33,185	23,447	347,685	247,798	20,189	13,941
Alabama	12	378	166	482	286	4,258	2,681	38	17
Arizona	2	112	33			944	670	72	60
Arkansas	11	270	114	337	352	1,913	1,545	7	8
California	44	2,865	782	1,359	723	15,892	14,130	1,519	1,313
Colorado	10	615	141	338	182	4,276	2,374	142	106
Connecticut	8	713	87	28		4,530	964	471	129
Delaware	1	58	18			376	293	8	
District of Columbia	13	1,026	109	65	87	5,163	3,416	610	304
Florida	6	199	118	65	46	1,962	2,051	37	16
Georgia	30	829	346	980	1,067	5,393	4,418	167	44
Idaho	4	164	55	14	7	1,653	1,366	49	21
Illinois	56	3,360	850	3,041	867	21,206	18,887	3,310	2,280
Indiana	26	1,044	322	410	335	10,793	7,203	268	112
Iowa	32	1,343	567	1,108	236	9,866	8,929	806	350
Kansas	28	864	410	807	362	7,946	6,000	265	191
Kentucky	26	608	234	1,422	1,637	3,468	2,913	96	60
Louisiana	11	670	217	423	492	3,375	2,794	78	89
Maine	5	213	29			2,309	788	50	32
Maryland	19	1,336	257	987	274	6,219	3,908	385	189
Massachusetts	31	2,913	623	1,304	243	19,380	11,952	1,464	833
Michigan	25	1,547	300	746	599	12,963	6,919	709	370
Minnesota	28	1,134	432	2,101	986	8,264	6,717	831	311
Mississippi	16	210	221	293	571	2,665	2,912	17	4
Missouri	46	1,642	520	843	861	8,724	6,975	403	238
Montana	8	155	44	74		1,641	1,011	61	29
Nebraska	14	770	237	1,035	806	5,568	5,184	230	195
Nevada	1	56	16			575	338		9
New Hampshire	3	318	14	150		3,259	375	25	2
New Jersey	15	635	78	275	31	3,943	1,214	236	21
New Mexico	4	86	19	334		638	243	6	6
New York	63	6,585	1,266	3,494	1,750	47,437	28,963	2,424	1,944
North Carolina	31	738	434	652	1,037	6,822	5,481	280	71
North Dakota	4	262	91	241	103	1,629	1,223	53	8
Ohio	52	2,732	781	1,954	635	20,474	16,664	869	
Oklahoma	13	512	219	393	434	5,267	5,047	164	102
Oregon	14	559	176	230	328	4,497	3,287	125	82
Pennsylvania	66	4,458	741	2,040	844	24,946	14,023	1,620	1,179
Rhode Island	4	196	13			2,200	630	121	76
South Carolina	22	396	255	170	644	3,958	4,392	92	70
South Dakota	9	240	100	344	147	1,763	1,288	31	29
Tennessee	29	897	268	791	1,202	4,704	4,082	77	41
Texas	7	1,474	749	1,020	2,184	12,617	13,062	396	265
Utah		254	106	200	215	2,948	2,676	123	41
Vermont	4	251	34	72		1,280	679	18	8
Virginia	31	921	342	298	1,001	6,669	4,043	137	43
Washington	8	520	131	747	123	6,484	4,497	355	224
West Virginia	11	282	137	276	427	2,272	1,720	167	127
Wisconsin	17	1,269	747	1,132	199	7,916	5,176	697	342
Wyoming	1	64	46	48	85	543	442	27	13
OUTLYING AREAS, 1926									
Alaska	1	13	4			40	28		
Hawaii	1	41	10			328	132	16	13
Porto Rico	1	56	31	304	417	336	339		

<sup>1</sup> Independent professional schools not included prior to 1920.

## PROFESSIONAL SCHOOLS: By States

Students—Continued							Total receipts, exclusive of additions to endowment	Year and State
Professional :		All other students		Total enrollment (excluding duplicates)				
Male	Female	Male	Female	Both sexes	Male	Female		
							Dollars	CONTINENTAL UNITED STATES
15,342	289			156,449	102,618	53,831		1890.
29,324	1,021			197,163	131,297	65,866		1900
37,903	1,328			274,084	200,339	73,745	77,873,367	1910.
53,285	3,836	27,533	35,326	521,754	334,226	187,528	189,235,242	1920
70,305	5,161	26,496	29,453	618,555	402,036	216,519	272,703,963	1922.
85,865	5,651	33,144	39,859	726,124	457,701	268,423	340,985,026	1924
98,591	5,622	33,911	30,355	823,895	509,732	313,163	407,400,056	1926.
356	2	170	521	8,468	5,200	3,268	3,540,789	Alabama.
42	2	100	62	1,972	1,178	794	1,246,208	Arizona.
293	1	144	718	4,752	2,610	2,142	2,312,320	Arkansas.
4,930	415	482	821	41,421	24,046	17,375	21,346,381	California.
877	79	151	123	8,375	5,636	2,739	4,492,500	Colorado.
690	33	74	74	7,097	5,907	1,190	6,596,784	Connecticut.
		4		669	376	293	537,445	Delaware.
3,651	255	171	26	13,611	9,530	4,081	4,746,851	District of Columbia.
331	11	104	189	4,737	2,456	2,281	3,367,097	Florida.
1,450	32	84	467	14,255	8,270	5,985	6,327,395	Georgia.
54	2	107	143	3,324	1,793	1,531	1,846,435	Idaho.
9,427	647	4,450	2,862	64,644	39,509	25,135	22,588,809	Illinois.
1,961	94	262	344	21,720	13,705	8,015	10,633,779	Indiana.
1,667	94	413	1,202	24,126	13,544	10,582	12,966,869	Iowa.
625	71	711	1,858	18,646	9,975	8,671	6,678,181	Kansas.
1,267	53	80	299	11,066	6,262	4,804	4,839,042	Kentucky.
1,222	61	53	133	8,692	5,140	3,552	4,682,426	Louisiana.
37	4	15	5	3,139	2,311	828	2,052,029	Maine.
2,438	67	176	234	14,872	10,170	4,702	9,520,951	Maryland.
8,140	810	401	215	44,730	30,693	14,037	29,752,237	Massachusetts.
3,043	126	164	385	25,636	17,410	8,226	14,083,347	Michigan.
2,308	136	531	1,044	22,646	13,771	8,875	11,610,614	Minnesota.
207	3	85	312	7,001	3,264	3,737	3,798,335	Mississippi.
5,122	247	407	1,449	24,654	15,231	9,423	11,342,453	Missouri.
89	12	56	139	3,072	1,921	1,151	1,488,187	Montana.
1,545	51	395	706	15,185	8,325	6,860	5,406,361	Nebraska.
		24	11	913	575	338	648,585	Nevada.
47		44	7	3,900	3,525	375	3,068,935	New Hampshire.
2,477	196	52	69	8,494	6,963	1,531	6,471,689	New Jersey.
		14	25	1,259	965	274	830,321	New Mexico.
15,705	1,002	3,562	2,839	107,770	71,202	36,568	55,318,685	New York.
591	7	365	718	15,567	8,575	6,992	8,330,327	North Carolina.
183	13	159	144	3,662	2,236	1,426	1,861,378	North Dakota.
4,197	255	2,254	2,613	49,736	29,363	20,373	21,707,394	Ohio.
967	109	285	616	12,743	6,592	6,151	4,561,708	Oklahoma.
1,250	159	171	260	10,161	6,142	4,019	4,396,659	Oregon.
7,470	346	4,222	3,188	64,034	44,558	19,476	28,017,694	Pennsylvania.
143	15	30	4	3,295	2,575	720	2,599,922	Rhode Island.
371	12	101	615	10,156	4,473	5,683	4,783,948	South Carolina.
196	9	180	370	4,356	2,600	1,756	2,752,747	South Dakota.
1,892	54		804	13,623	7,649	5,973	6,296,031	Tennessee.
2,055	138	660	1,739	34,206	19,508	14,698	14,704,762	Texas.
136	5	274	214	6,440	3,493	2,947	2,099,886	Utah.
97	8	3	11	2,147	1,456	691	1,407,928	Vermont.
1,544	32	166	429	14,256	8,748	5,508	8,583,827	Virginia.
428	69	50	247	13,105	8,033	5,072	4,851,823	Washington.
290	10	101	252	5,417	3,037	2,380	2,911,602	West Virginia.
1,628	72	182	737	17,983	11,547	6,436	10,043,573	Wisconsin.
22		51	63	1,140	613	527	1,119,312	Wyoming.
		12	20	68	40	28	257,217	Alaska.
		46	149	683	389	294	392,505	Hawaii.
98	23	100	46	1,662	838	824	785,724	Porto Rico.

OUTLYING AREAS, 1926

Source: Bureau of Education, Department of the Interior.

### No. 123.—NUMBER OF STUDENTS PURSUING SPECIFIED PROFESSIONAL COURSES, 1925-26

[NOTE.—Porto Rico has 1 school of law with 53 men and 3 women students and 1 school of pharmacy with 45 men and 19 women]

State	Theology			Law			Medicine <sup>1</sup>			Dentistry			Pharmacy			Veterinary medicine		
	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women
Continental U. S.	180	12,201	1,454	124	22,176	2,184	77	12,000	992	43	11,022	151	87	10,005	810	12	525	2
Alabama	2	28	—	1	148	1	1	—	1	—	—	—	1	64	—	1	15	—
Arizona	—	—	—	1	62	2	—	—	—	—	—	—	—	—	—	—	—	—
Arkansas	2	92	—	1	27	—	1	155	1	—	—	—	1	19	—	—	—	—
California	8	364	110	13	2,271	133	3	566	86	5	1,101	12	3	461	30	—	—	—
Colorado	1	90	28	3	306	16	1	157	13	1	179	1	2	94	21	1	51	—
Connecticut	2	304	11	1	397	15	1	189	7	—	—	—	—	—	—	—	—	—
District of Columbia	2	132	2	6	2,440	219	3	757	16	2	227	2	2	87	17	1	8	—
Florida	1	6	—	2	282	11	—	—	—	—	—	—	1	43	—	—	—	—
Georgia	5	393	5	3	249	11	2	327	4	—	264	1	2	208	11	1	14	—
Idaho	—	—	—	1	33	—	—	—	—	—	—	—	1	21	2	—	—	—
Illinois	15	1,580	337	9	2,996	119	5	2,215	132	2	1,075	11	1	458	29	—	—	—
Indiana	4	197	45	5	589	18	1	375	10	1	371	2	4	429	19	—	—	—
Iowa	5	182	25	2	326	8	1	390	13	1	243	1	2	180	12	1	95	—
Kansas	2	97	41	2	203	9	1	167	12	—	—	—	1	99	9	1	59	—
Kentucky	6	593	26	3	244	19	1	247	5	1	103	1	1	109	1	—	—	—
Louisiana	—	—	—	2	435	22	1	541	16	2	145	4	2	101	19	—	—	—
Maine	1	37	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Maryland	4	542	1	1	575	21	2	612	32	1	485	3	1	234	10	—	—	—
Massachusetts	9	769	145	5	2,249	554	4	1,259	62	2	465	11	1	398	35	—	—	—
Michigan	4	115	10	3	1,562	33	2	772	43	1	400	19	2	141	21	1	33	—
Minnesota	6	368	18	5	953	54	1	487	35	1	375	3	1	135	26	—	—	—
Mississippi	1	3	—	1	91	1	1	63	1	—	—	—	1	50	1	—	—	—
Missouri	8	938	49	6	1,389	69	4	938	21	3	899	3	2	368	11	—	—	—
Montana	—	—	—	1	46	1	—	—	—	—	—	—	1	43	11	—	—	—
Nebraska	3	51	1	3	450	7	2	462	18	2	318	2	2	264	23	—	—	—
Nevada	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Hampshire	1	12	—	—	—	—	1	35	—	—	—	—	—	—	—	—	—	—
New Jersey	5	554	96	1	1,647	95	—	—	—	—	—	—	1	256	15	—	—	—
New Mexico	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New York	19	1,572	156	10	8,569	525	9	2,130	166	3	1,019	18	5	2,328	130	1	87	2
North Carolina	5	82	3	2	272	1	2	118	2	—	—	—	1	119	1	—	—	—
North Dakota	—	—	—	1	64	1	1	48	2	—	—	—	1	71	10	—	—	—
Ohio	11	643	58	7	1,497	104	4	901	41	4	494	3	4	606	49	1	36	—
Oklahoma	1	76	54	2	315	7	1	167	10	—	—	—	1	109	8	—	—	—
Oregon	2	168	102	3	248	8	1	205	9	1	402	—	2	227	40	—	—	—
Pennsylvania	18	851	8	6	1,439	39	6	1,715	129	3	1,865	37	4	1,269	96	1	58	—
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—	1	143	15	—	—	—
South Carolina	4	77	—	2	119	4	1	149	7	—	—	—	1	28	1	—	—	—
South Dakota	—	—	—	1	93	2	1	35	1	—	—	—	1	68	6	—	—	—
Tennessee	6	231	16	4	603	15	3	601	6	3	321	5	2	136	12	—	—	—
Texas	5	606	70	4	517	17	2	473	30	2	304	8	2	140	12	1	12	—
Utah	—	—	—	1	62	1	1	44	—	—	—	—	1	30	4	—	—	—
Vermont	—	—	—	—	—	—	1	97	8	—	—	—	—	—	—	—	—	—
Virginia	4	276	—	5	537	8	2	570	18	1	78	—	1	103	6	—	—	—
Washington	1	4	—	2	163	4	—	—	—	—	—	—	2	226	65	1	45	—
West Virginia	—	—	—	1	123	3	1	117	2	—	—	—	1	40	8	—	—	—
Wisconsin	4	175	—	2	454	16	2	505	34	1	388	—	1	105	18	—	—	—
Wyoming	—	—	—	1	22	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> United States has 5 schools reporting 1,350 men and 229 women pursuing courses in osteopathy.

Source: Bureau of Education, Department of the Interior.



**No. 124.—UNIVERSITIES, COLLEGES, AND PROFESSIONAL SCHOOLS:  
LIBRARIES AND OTHER PROPERTY, 1925-26**

State	Volumes in libraries	Value of libraries, scientific apparatus, machinery, and furniture	Value of grounds	Value of buildings (including dormitories)	Value of dormitories	Productive funds
Continental United States.....	37, 549, 463	Dollars 219, 073, 684	Dollars 225, 721, 958	Dollars 911, 498, 850	Dollars 159, 305, 603	Dollars 978, 012, 929
Alabama.....	267, 674	1, 402, 982	1, 385, 228	6, 870, 649	2, 059, 336	4, 463, 647
Arizona.....	70, 000	538, 750	515, 000	1, 634, 500	475, 500	10, 000
Arkansas.....	138, 985	886, 273	515, 523	3, 520, 135	1, 479, 449	2, 076, 733
California.....	1, 847, 482	12, 596, 053	10, 034, 581	35, 746, 291	4, 895, 515	53, 995, 283
Colorado.....	438, 722	2, 613, 793	1, 473, 926	10, 521, 843	461, 000	3, 882, 781
Connecticut.....	2, 162, 330	8, 015, 353	1, 402, 038	45, 064, 463	13, 398, 614	53, 311, 831
Delaware.....	32, 297	543, 190	310, 685	1, 403, 342	362, 500	535, 249
District of Columbia.....	786, 111	2, 083, 554	1, 933, 613	19, 876, 458	628, 480	5, 825, 459
Florida.....	137, 759	2, 648, 905	2, 599, 300	3, 858, 930	1, 366, 174	2, 539, 770
Georgia.....	423, 709	2, 787, 383	3, 727, 498	12, 983, 617	3, 198, 292	9, 727, 657
Idaho.....	112, 567	827, 734	279, 750	1, 922, 100	410, 000	2, 408, 619
Illinois.....	2, 696, 196	13, 156, 924	16, 948, 889	53, 176, 368	5, 850, 220	75, 135, 998
Indiana.....	902, 469	4, 632, 518	4, 020, 317	22, 238, 477	4, 748, 473	15, 755, 339
Iowa.....	972, 628	8, 355, 964	5, 286, 703	22, 050, 012	4, 119, 047	13, 538, 967
Kansas.....	570, 976	5, 453, 586	2, 970, 237	13, 266, 676	2, 007, 241	6, 415, 381
Kentucky.....	358, 168	2, 727, 310	2, 966, 296	9, 678, 598	3, 101, 660	7, 900, 102
Louisiana.....	244, 711	2, 388, 295	1, 961, 419	11, 708, 831	1, 483, 646	8, 406, 003
Maine.....	347, 602	3, 497, 903	177, 104	5, 012, 195	666, 914	8, 242, 484
Maryland.....	691, 606	4, 215, 728	4, 426, 417	48, 040, 556	3, 436, 517	27, 117, 632
Massachusetts.....	4, 020, 795	11, 292, 949	17, 208, 372	65, 363, 606	17, 879, 458	159, 694, 222
Michigan.....	1, 071, 931	10, 766, 545	9, 823, 145	28, 874, 152	4, 362, 896	9, 202, 231
Minnesota.....	879, 471	6, 624, 091	8, 874, 179	25, 415, 985	4, 099, 729	15, 501, 668
Mississippi.....	196, 225	2, 108, 840	1, 487, 970	7, 040, 412	2, 518, 635	3, 443, 330
Missouri.....	1, 084, 224	8, 925, 600	4, 468, 781	26, 807, 449	5, 105, 013	26, 708, 872
Montana.....	153, 930	977, 959	676, 423	4, 261, 174	506, 301	2, 369, 029
Nebraska.....	387, 255	2, 651, 806	3, 256, 187	9, 866, 665	662, 766	4, 996, 793
Nevada.....	44, 725	298, 951	110, 000	653, 406	172, 516	358, 439
New Hampshire.....	292, 876	1, 154, 000	920, 000	6, 100, 000	2, 435, 000	8, 685, 415
New Jersey.....	1, 152, 167	2, 346, 857	4, 139, 736	10, 654, 368	2, 454, 817	26, 611, 058
New Mexico.....	65, 017	614, 656	296, 000	1, 580, 135	418, 500	1, 247, 630
New York.....	4, 308, 562	19, 253, 239	37, 578, 993	112, 910, 151	13, 465, 096	146, 461, 750
North Carolina.....	520, 288	4, 131, 825	4, 061, 022	21, 315, 549	8, 061, 418	13, 549, 825
North Dakota.....	144, 248	1, 415, 799	356, 246	3, 116, 931	394, 644	4, 146, 316
Ohio.....	2, 228, 858	12, 325, 896	14, 880, 079	46, 308, 196	8, 694, 523	55, 905, 247
Oklahoma.....	178, 250	2, 172, 567	724, 284	6, 717, 371	1, 286, 795	5, 988, 262
Oregon.....	362, 304	2, 149, 056	1, 913, 319	6, 897, 100	1, 015, 633	4, 566, 637
Pennsylvania.....	2, 666, 757	20, 124, 419	19, 652, 623	74, 915, 478	9, 212, 165	78, 395, 013
Rhode Island.....	390, 000	342, 000	1, 133, 000	5, 199, 000	1, 000, 000	8, 669, 880
South Carolina.....	364, 391	2, 531, 160	4, 363, 345	12, 439, 372	2, 793, 308	3, 988, 998
South Dakota.....	168, 025	1, 338, 484	1, 047, 648	4, 276, 287	677, 381	2, 854, 637
Tennessee.....	428, 353	2, 861, 733	4, 384, 578	15, 440, 206	2, 626, 632	17, 052, 088
Texas.....	841, 664	8, 031, 537	9, 188, 609	26, 994, 430	6, 927, 301	32, 554, 216
Utah.....	197, 755	1, 224, 598	185, 873	4, 018, 550	64, 500	697, 600
Vermont.....	208, 716	738, 251	170, 195	3, 646, 628	1, 044, 028	4, 789, 975
Virginia.....	638, 403	3, 685, 636	2, 748, 184	18, 747, 003	3, 729, 004	13, 743, 966
Washington.....	407, 411	2, 121, 455	2, 221, 840	8, 045, 274	503, 945	9, 115, 847
West Virginia.....	179, 151	1, 562, 581	2, 555, 398	7, 333, 809	1, 074, 878	3, 022, 191
Wisconsin.....	716, 389	5, 407, 196	4, 123, 405	15, 820, 122	1, 770, 143	10, 597, 696
Wyoming.....	61, 330	521, 800	218, 000	2, 166, 000	200, 000	1, 796, 071
<b>OUTLYING AREAS</b>						
Alaska Territory.....	7, 279	106, 318	2, 338	180, 665	25, 000	-----
Hawaii Territory.....	38, 447	325, 622	827, 247	536, 346	43, 315	5, 500
Porto Rico.....	16, 300	257, 000	55, 900	356, 350	-----	12, 000

Source: Bureau of Education, Department of the Interior.

## No. 125.—NURSE TRAINING, COMMERCIAL, SUMMER, AND REFORM SCHOOLS

[NOTE.—Summer schools are chiefly those run by universities, colleges, and normal schools]

State	Nurse-training schools, 1927		Commercial schools, 1925		Summer schools, 1925		Reform schools, 1927	
	Schools	Students	Schools	Students	Schools	Students	Schools	Students
<b>Continental United States</b>	<b>1,729</b>	<b>75,638</b>	<b>739</b>	<b>188,363</b>	<b>348</b>	<b>350,076</b>	<b>166</b>	<b>64,317</b>
Alabama	30	827	8	1,599	13	8,963	3	1,374
Arizona	3	136	4	588	2	859	1	166
Arkansas	18	899	7	967	4	2,067	1	325
California	54	3,549	45	11,294	15	19,070	6	2,568
Colorado	21	953	13	4,861	9	5,607	2	712
Connecticut	26	1,441	20	4,468	2	184	2	872
Delaware	4	132	2	126	1	399	3	275
District of Columbia	11	848	4	2,079	3	1,824	2	960
Florida	19	552	8	2,352	2	1,516	1	858
Georgia	32	902	8	2,255	13	5,594	3	442
Idaho	10	202	3	286	6	1,723	1	442
Illinois	118	5,807	57	18,294	34	22,090	7	7,124
Indiana	32	1,699	31	7,103	20	11,503	3	2,481
Iowa	50	2,079	22	5,111	16	7,292	4	1,182
Kansas	54	1,220	18	4,628	17	11,298	3	1,500
Kentucky	25	766	13	3,205	10	3,816	2	1,591
Louisiana	14	719	9	3,254	7	5,298	1	224
Maine	29	667	8	707	6	1,619	3	530
Maryland	27	1,508	5	1,297	8	2,018	6	2,664
Massachusetts	90	4,982	29	6,991	15	7,512	9	2,824
Michigan	42	2,336	16	3,041	11	11,768	5	2,637
Minnesota	59	3,723	17	4,833	9	8,269	6	1,925
Mississippi	31	573	6	412	6	1,691	1	372
Missouri	31	1,560	16	7,576	19	12,340	8	1,212
Montana	14	432	6	2,181	3	1,824	2	328
Nebraska	23	1,083	9	1,617	14	8,672	3	696
Nevada					1	165	1	46
New Hampshire	21	449	2	245	3	610	1	238
New Jersey	49	2,001	23	5,709	3	1,627	6	3,897
New Mexico	2	28	2	478	6	1,167	1	44
New York	130	8,347	83	20,740	28	32,518	14	9,928
North Carolina	47	1,208	5	560	20	10,842	1	606
North Dakota	15	593	4	234	6	3,814	1	250
Ohio	75	3,806	44	12,464	30	16,725	7	9,851
Oklahoma	30	651	10	4,966	14	15,311	3	743
Oregon	16	565	6	2,597	6	3,028	2	399
Pennsylvania	180	7,966	53	14,092	39	21,602	9	6,146
Rhode Island	10	647	7	801	2	419	2	513
South Carolina	24	552	6	468	4	2,556	3	575
South Dakota	14	462	4	946	11	9,232	1	213
Tennessee	30	1,113	15	2,244	10	4,386	5	1,145
Texas	65	2,156	30	7,505	43	21,751	2	8,378
Utah	5	374	3	1,698	3	2,295		
Vermont	12	308			3	1,072	1	348
Virginia	42	1,313	8	1,464	14	9,595	4	915
Washington	23	1,070	15	4,690	8	5,820	5	1,771
West Virginia	30	702	12	2,004	13	6,200	2	936
Wisconsin	38	1,766	10	2,621	13	9,865	2	967
Wyoming	7	118	1	58	1	1,400	2	122
<b>OUTLYING AREAS</b>								
Hawaii Territory			3	322	1	655		
Philippine Islands	7	420	5	1,603				
Porto Rico	2	88	7	551	1	1,111	1	327

Source: Bureau of Education, Department of the Interior.

## No. 126.—SCHOOLS FOR BLIND, DEAF, AND FEEBLE-MINDED, 1927

[Note.—Philippine Islands has 1 school for the blind with 21 pupils and 101 pupils and Porto Rico has 1 school for the blind with 28 pupils and State school for the deaf with private school for the deaf with 48 pupils]

State	Schools for the blind		Schools for the deaf						Institutions for the feeble-minded					
			State schools		Public day schools		Private schools		State institutions		Public day schools <sup>1</sup>		Private institutions	
	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Inmates	Cities reporting schools	Pupils	Schools	Inmates
<b>Continental United States</b>	<b>78</b>	<b>4,083</b>	<b>69</b>	<b>12,033</b>	<b>83</b>	<b>2,515</b>	<b>15</b>	<b>683</b>	<b>51</b>	<b>49,791</b>	<b>218</b>	<b>51,814</b>	<b>24</b>	<b>2,416</b>
Alabama	2	146	2	342										
Arizona	1	2	1	32										
Arkansas	2	153	2	346										
California	2	152	1	193	7	883	1	30	1	321	5	1,800	1	16
Colorado	1	71	1	167					2	336	1	626	1	14
Connecticut	1	66	2	318					1	761	7	762		
Delaware									1	112				
District of Columbia			1	135							1	711		
Florida	2	71	2	214					1	415				
Georgia	1	106	2	297	1	4	1	12	1	92	1	461		
Idaho	1	21	1	68					1	349				
Illinois	2	300	1	411	4	464	1	118	2	5,672	6	2,984	2	86
Indiana	1	147	1	396	1	9			1	1,626	4	330		
Iowa	1	114	1	309	5	69			1	1,760	10	1,320	1	63
Kansas	1	130	1	249	2	25			1	593	4	202		
Kentucky	2	112	2	356					1	320	1	360	1	113
Louisiana	2	79	1	165	1	11	1	67	1	262	1	118		
Maine	1	32	1	109					1	694	1	40		
Maryland	2	114	2	219	1	82	2	56						
Massachusetts	2	309	3	433	2	169			2	3,364	21	3,067	3	145
Michigan	2	197	1	364	9	396	1	34	1	2,751	13	5,856	3	78
Minnesota	4	283	1	258	4	150			1	2,996	28	2,250	1	88
Mississippi	1	75	2	226										
Missouri	1	113	1	311	2	109	3	102	1	577	3	718	2	32
Montana			1	96					1	284	2	99		
Nebraska	1	55	1	105	1	22			1	941	2	293		
New Hampshire					1	4			1	487	1	19		
New Jersey	3	88	1	275	3	125			3	2,392	27	3,264	5	742
New Mexico	1	84												
New York	6	451	7	1,639	4	531			5	10,080	15	10,494	4	138
North Carolina	2	219	2	116					1	503	1	345		
North Dakota	1	35	1	124					1	518				
Ohio	7	478	1	478	7	286	1	97	1	2,524	15	3,548	1	36
Oklahoma	1	143	1	345			1	13	1	346				
Oregon	1	48	1	116	1	38			1	291	1	232		
Pennsylvania	3	432	4	1,051	2	137	3	183	3	4,402	18	7,446	5	274
Rhode Island			1	102					1	433	3	535		
South Carolina	2	95	2	259					1	342				
South Dakota	1	39	1	105					1	426				
Tennessee	2	236	2	292							1	105	1	22
Texas	2	339	2	629	3	51			1	241	2	162		
Utah	1	34	1	113					1	132	1	23		
Vermont			1	45					1	260				
Virginia	2	99	2	258					1	575	3	285	1	104
Washington	3	94	1	131	4	123			1	315	4	1,336		
West Virginia	1	109	1	262							1	13		
Wisconsin	3	164	1	194	18	337	1	81	2	1,529	14	724	2	525
Wyoming									1	100				

<sup>1</sup> Backward and subnormal pupils.

Source: Bureau of Education, Department of the Interior.

### No. 127.—SCHOOLS FOR BLIND, DEAF, AND FEEBLE-MINDED: CONTINENTAL UNITED STATES

Kind of school	Number of schools			Number of teachers				Number of pupils			
	1916	1923	1927	1916	1923	1927		1916	1923	1927	
						Male	Female			Male	Female
Schools for the blind	48	63	78	531	721	220	633	4,323	4,915	3,321	2,714
Schools for the deaf, total	130	154	166	1,496	1,901	443	1,840	12,546	14,398	8,296	8,807
State	57	61	68	1,208	1,414	402	1,310	10,399	10,738	7,017	6,016
City day schools	53	74	83	189	351	19	398	1,808	2,911	1,776	1,730
Private	20	19	15	101	136	22	132	639	679	433	452
Schools for feeble-minded and subnormal, total	41	914	303	500	1,956	316	3,177	17,570	68,214	34,966	45,063
State	25	51	51	270	492	116	464	16,678	38,761	24,355	25,436
City day schools	—	133	218	—	1,321	175	2,543	—	22,067	23,214	18,600
Private	16	30	34	70	143	25	170	892	1,386	1,397	1,019

Source: Bureau of Education, Department of the Interior.

### No. 128.—VOCATIONAL EDUCATION: TEACHERS AND PUPILS IN VOCATIONAL SCHOOLS AND TEACHER-TRAINING COURSES

[NOTE.—See headnote, Table 129. Data for 1926 and 1927 include Hawaii]

Class of school or course	Teachers					Pupils				
	1920	1924	1926	1926	1927	1920	1924	1926	1926	1927
<b>VOCATIONAL SCHOOLS</b>										
Total, all classes	7,000	16,199	17,546	18,717	18,900	262,038	632,694	679,687	752,418	794,066
Male	4,902	9,898	11,068	11,808	12,259	163,228	349,224	371,006	406,732	430,026
Female	2,677	6,294	6,478	6,909	6,641	101,830	303,370	308,681	345,686	334,060
Evening	2,565	6,778	6,977	6,979	7,380	73,122	193,274	194,310	210,238	212,377
Part time	1,773	3,530	3,902	4,316	4,131	122,974	321,191	327,410	369,186	383,144
All day	3,331	5,766	6,428	7,143	7,265	68,962	134,873	150,965	168,652	163,767
Short-unit course	—	118	239	279	134	—	3,256	4,002	5,142	5,698
Agricultural	1,570	3,464	4,336	4,558	4,804	31,391	85,964	99,195	166,328	194,887
Male	1,568	3,453	4,226	4,638	4,801	29,351	81,366	96,010	162,935	119,161
Female	2	1	—	20	3	1,950	4,618	4,115	6,593	5,776
Evening	—	591	718	920	878	—	15,227	15,835	19,239	26,227
Part time	—	55	113	208	181	—	2,143	2,330	2,716	3,622
All day	1,570	2,690	3,186	3,451	3,611	31,391	68,358	70,958	82,481	89,390
Short-unit course	—	118	239	279	134	—	3,256	4,002	5,142	5,698
Trade and industrial	4,469	8,328	9,017	9,183	9,868	184,819	409,843	489,671	488,688	495,629
Male	3,408	6,412	6,792	6,929	7,423	133,672	267,814	281,956	303,755	330,508
Female	1,054	1,916	2,225	2,254	2,130	50,947	142,029	147,115	162,980	165,121
Evening	1,779	3,386	3,673	3,227	3,613	48,354	84,973	85,553	89,604	97,574
Part time, total	1,636	3,199	3,599	3,819	3,677	115,241	291,606	303,852	332,192	347,939
Trade extension	350	773	840	1,137	963	17,159	35,475	31,343	41,834	39,406
General continuation	1,286	2,426	2,759	2,682	2,714	98,082	256,133	272,509	290,358	308,533
All day	1,047	1,743	1,845	2,137	2,063	21,224	33,262	39,666	44,799	50,116
Home economics	1,637	4,410	4,303	4,678	4,649	48,938	156,787	154,491	177,905	164,429
Male	16	33	50	41	32	5	44	40	42	357
Female	1,621	4,377	4,253	4,635	4,511	48,933	156,723	154,451	177,163	164,063
Evening	786	2,801	2,686	2,832	2,689	24,766	93,074	92,922	101,305	86,576
Part time	137	276	190	299	273	7,723	27,440	21,226	34,278	31,563
All day	714	1,333	1,427	1,535	1,581	16,437	36,253	40,341	41,622	44,261
<b>TEACHER-TRAINING COURSES</b>										
Total, all classes	1,863	1,081	990	843	930	12,456	18,696	20,194	19,608	18,199
Male	657	602	571	528	590	6,065	11,424	11,716	11,506	10,505
Female	425	419	389	325	340	5,471	7,262	8,478	8,210	7,634
In agriculture	293	241	233	200	208	2,310	4,747	3,809	3,927	3,167
Trade and industry	359	388	363	315	344	6,150	8,320	9,885	9,651	9,010
Home economics	414	392	364	338	378	3,652	5,619	6,591	6,226	5,902
Other and not specified	16	—	—	—	—	344	—	—	—	—

Source: Federal Board for Vocational Education.

### No. 129.—VOCATIONAL EDUCATION: PUPILS ENROLLED IN VOCATIONAL COURSES

[NOTE: Data relate only to institutions federally aided under the act commonly known as the Smith-Hughes Act, or the national vocational education act. It provides for a continuing appropriation from Federal funds for the purpose of cooperating with the States in the establishment and maintenance of programs for vocational education of lower than college grades, for the preparation of teachers to instruct under these plans, and for the administration of these Federal funds by the Federal Board for Vocational Education.]

Division and State	Total number					1927				
	1920	1921	1922	1923	1924	Male	Female	Agriculture	Trade and industry	Home economics
<b>United States<sup>1</sup></b>	<b>263,056</b>	<b>352,194</b>	<b>675,697</b>	<b>753,418</b>	<b>784,966</b>	<b>450,066</b>	<b>334,899</b>	<b>124,937</b>	<b>465,693</b>	<b>164,430</b>
<b>New England</b>	<b>22,753</b>	<b>71,121</b>	<b>71,412</b>	<b>66,918</b>	<b>67,083</b>	<b>32,331</b>	<b>30,531</b>	<b>1,948</b>	<b>44,721</b>	<b>31,103</b>
Maine	1,054	1,848	2,004	1,897	1,731	790	951	437	343	361
New Hampshire	507	463	428	482	543	227	18	265	278	—
Vermont	423	538	589	554	505	407	86	149	269	87
Massachusetts	23,080	63,398	62,965	57,189	55,371	24,439	31,932	614	37,457	18,300
Rhode Island	930	2,612	2,900	3,548	3,619	2,145	1,474	297	2,128	1,194
Connecticut	2,743	2,262	2,616	2,348	5,093	4,033	1,060	186	4,246	661
<b>Middle Atlantic</b>	<b>73,061</b>	<b>128,764</b>	<b>220,387</b>	<b>250,123</b>	<b>274,314</b>	<b>154,855</b>	<b>119,379</b>	<b>6,956</b>	<b>301,367</b>	<b>15,908</b>
New York	18,185	94,919	123,341	141,797	172,721	100,213	72,508	2,805	170,216	—
New Jersey	8,311	26,368	34,698	36,625	25,866	17,362	8,504	1,416	19,476	4,974
Pennsylvania	52,165	67,677	62,348	71,700	75,727	37,300	38,867	3,038	61,665	11,024
<b>East North Central</b>	<b>69,263</b>	<b>174,271</b>	<b>145,833</b>	<b>106,437</b>	<b>161,094</b>	<b>93,930</b>	<b>67,174</b>	<b>28,146</b>	<b>66,429</b>	<b>48,519</b>
Ohio	10,783	28,341	36,645	36,430	34,472	21,586	12,886	8,382	17,056	9,054
Indiana	12,625	19,255	21,534	24,621	19,412	11,431	7,981	3,287	9,084	7,041
Illinois	16,179	45,540	41,273	44,069	44,836	28,971	15,865	7,454	27,611	9,771
Michigan	10,869	36,645	35,826	39,964	40,380	22,573	16,813	6,536	26,184	7,006
Wisconsin	16,817	45,490	40,355	21,353	21,968	8,359	13,620	2,507	6,494	12,967
<b>West North Central</b>	<b>35,143</b>	<b>51,362</b>	<b>49,379</b>	<b>54,771</b>	<b>47,885</b>	<b>24,363</b>	<b>21,522</b>	<b>14,177</b>	<b>17,314</b>	<b>16,394</b>
Minnesota	3,466	8,925	7,293	8,713	8,023	4,589	3,434	2,455	3,621	1,917
Iowa	4,171	5,963	5,850	8,064	8,536	5,577	2,959	3,814	3,704	1,518
Missouri	12,975	19,460	18,584	20,377	12,635	6,924	5,711	2,891	4,981	4,763
North Dakota	1,880	1,352	1,543	1,905	2,620	1,249	1,371	1,080	292	1,248
South Dakota	420	1,001	1,371	1,450	1,211	604	607	524	123	555
Nebraska	789	9,030	6,960	9,222	9,835	4,334	5,501	2,404	3,077	4,354
Kansas	1,742	5,629	6,858	7,020	5,025	2,966	2,039	1,449	1,517	2,039
<b>South Atlantic</b>	<b>16,843</b>	<b>48,481</b>	<b>58,938</b>	<b>59,853</b>	<b>71,860</b>	<b>48,408</b>	<b>23,444</b>	<b>27,380</b>	<b>26,780</b>	<b>17,710</b>
Delaware	1,130	1,775	1,785	1,885	1,922	1,039	893	163	1,198	561
Maryland	1,430	3,006	3,645	4,194	5,297	3,431	1,866	1,121	2,547	1,629
Virginia	2,162	5,564	7,013	8,969	11,160	8,252	2,908	4,718	4,490	1,952
West Virginia	1,546	2,918	3,241	2,456	3,040	2,301	739	802	1,818	620
North Carolina	1,869	11,838	13,586	15,170	16,834	11,228	5,606	6,837	5,249	4,748
South Carolina	1,802	5,670	6,939	9,251	10,322	9,092	1,230	6,116	3,302	904
Georgia	2,756	11,633	11,242	12,842	10,897	8,854	8,043	6,393	4,692	5,812
Florida	1,158	4,077	5,787	5,096	6,378	4,309	2,169	1,220	3,664	1,484
<b>East South Central</b>	<b>3,346</b>	<b>23,350</b>	<b>26,373</b>	<b>28,877</b>	<b>31,504</b>	<b>22,502</b>	<b>9,008</b>	<b>16,063</b>	<b>7,561</b>	<b>7,961</b>
Kentucky	2,686	3,745	5,915	4,981	5,700	4,311	1,389	3,457	1,007	1,236
Tennessee	1,968	9,480	8,337	10,094	11,208	7,507	3,791	5,193	3,299	2,806
Alabama	1,838	6,634	7,439	8,325	9,493	6,538	2,955	4,517	2,139	2,837
Mississippi	1,844	3,966	4,682	5,527	5,013	4,146	867	3,515	1,116	362
<b>West South Central</b>	<b>7,064</b>	<b>31,608</b>	<b>32,141</b>	<b>38,949</b>	<b>41,634</b>	<b>23,562</b>	<b>18,079</b>	<b>14,556</b>	<b>13,127</b>	<b>13,851</b>
Arkansas	2,103	4,100	5,075	5,521	5,904	4,596	1,306	4,542	654	708
Louisiana	1,290	6,752	4,705	6,471	6,415	4,379	2,036	2,063	3,940	572
Oklahoma	693	3,015	8,556	13,064	14,233	6,987	7,246	3,132	4,939	6,142
Texas	2,818	15,741	20,805	13,896	15,062	7,600	7,482	4,879	3,674	6,529
<b>Mountain</b>	<b>16,333</b>	<b>18,987</b>	<b>33,030</b>	<b>36,868</b>	<b>32,435</b>	<b>21,911</b>	<b>10,524</b>	<b>9,185</b>	<b>15,564</b>	<b>7,688</b>
Montana	655	1,006	1,232	1,267	1,252	1,079	173	681	398	173
Idaho	1,301	868	1,776	1,664	2,202	1,766	436	1,234	442	436
Wyoming	643	2,431	1,973	1,763	3,033	1,839	1,194	1,056	1,015	962
Colorado	2,961	4,663	6,204	11,282	13,578	9,533	4,045	2,978	8,175	2,425
New Mexico	761	1,806	1,607	2,239	2,264	1,785	479	353	1,474	497
Arizona	2,005	2,820	4,656	3,902	2,901	1,852	1,049	1,202	1,023	676
Utah	6,472	4,806	5,034	6,349	6,016	3,061	2,985	1,419	2,200	2,397
Nevada	263	313	543	596	1,189	976	213	142	857	190
<b>Pacific</b>	<b>13,819</b>	<b>44,180</b>	<b>49,084</b>	<b>56,654</b>	<b>55,906</b>	<b>25,863</b>	<b>22,541</b>	<b>6,646</b>	<b>32,426</b>	<b>17,065</b>
Washington	1,408	4,803	5,824	6,512	7,064	4,930	2,124	1,503	4,496	1,063
Oregon	3,394	3,377	3,330	4,258	3,359	1,806	1,551	1,313	1,103	943
California	30,610	35,910	40,450	45,884	44,783	19,227	25,666	2,830	26,804	15,050
<b>Hawaii</b>				782	1,202	531	671	266	261	633

<sup>1</sup> Includes Hawaii in 1926 and 1927.

Source: Federal Board for Vocational Education.

### No. 130.—VOCATIONAL EDUCATION: PUPILS ENROLLED IN VOCATIONAL TEACHER-TRAINING COURSES

[NOTE.—Data relate only to institutions federally aided under vocational education act]

Division and State	Total number					1927				
	1920	1924	1925	1926	1927	Male	Female	Agriculture	Trade and industry	Home economics
<b>United States<sup>1</sup>.....</b>	<b>12,456</b>	<b>18,086</b>	<b>20,194</b>	<b>19,806</b>	<b>18,199</b>	<b>10,565</b>	<b>7,634</b>	<b>3,187</b>	<b>9,060</b>	<b>5,962</b>
<b>New England.....</b>	<b>1,228</b>	<b>1,376</b>	<b>1,497</b>	<b>1,263</b>	<b>1,506</b>	<b>869</b>	<b>637</b>	<b>241</b>	<b>697</b>	<b>568</b>
Maine.....	82	53	33	54	33	8	25	8	-----	25
New Hampshire.....	20	58	52	20	36	20	16	3	17	16
Vermont.....	73	( <sup>2</sup> )	20	7	109	36	73	33	5	71
Massachusetts.....	749	817	1,009	779	860	517	343	110	465	285
Rhode Island.....	238	286	244	254	274	160	114	31	138	105
Connecticut.....	66	161	139	149	194	128	66	56	72	66
<b>Middle Atlantic.....</b>	<b>1,620</b>	<b>3,007</b>	<b>4,062</b>	<b>4,064</b>	<b>4,519</b>	<b>3,042</b>	<b>1,477</b>	<b>330</b>	<b>3,305</b>	<b>884</b>
New York.....	1,091	1,704	1,988	2,043	2,191	1,479	712	189	1,537	465
New Jersey.....	125	167	411	538	512	296	216	45	300	167
Pennsylvania.....	404	1,136	1,663	1,483	1,816	1,267	549	96	1,468	252
<b>East North Central.....</b>	<b>2,770</b>	<b>4,490</b>	<b>4,215</b>	<b>4,055</b>	<b>2,971</b>	<b>1,757</b>	<b>1,214</b>	<b>266</b>	<b>2,007</b>	<b>698</b>
Ohio.....	1,286	794	1,537	1,481	<sup>3</sup> 683	447	236	67	<sup>3</sup> 510	106
Indiana.....	634	619	497	457	748	402	346	68	334	346
Illinois.....	385	859	939	838	908	460	448	75	753	80
Michigan.....	186	1,359	968	808	496	387	109	46	341	109
Wisconsin.....	279	789	274	471	136	61	75	10	69	57
<b>West North Central.....</b>	<b>1,286</b>	<b>2,788</b>	<b>2,933</b>	<b>2,846</b>	<b>2,363</b>	<b>1,139</b>	<b>1,224</b>	<b>487</b>	<b>754</b>	<b>1,122</b>
Minnesota.....	386	269	790	718	623	427	196	71	434	118
Iowa.....	181	1,424	1,176	1,019	753	422	331	200	225	328
Missouri.....	242	466	393	508	157	70	87	42	38	77
North Dakota.....	131	93	75	117	142	48	94	48	-----	94
South Dakota.....	71	197	226	122	185	27	158	21	6	158
Nebraska.....	195	235	185	172	241	116	125	76	51	114
Kansas.....	100	102	88	190	262	29	233	29	( <sup>2</sup> )	233
<b>South Atlantic.....</b>	<b>1,029</b>	<b>2,020</b>	<b>1,834</b>	<b>3,019</b>	<b>1,939</b>	<b>1,180</b>	<b>759</b>	<b>511</b>	<b>801</b>	<b>627</b>
Delaware.....	51	45	44	50	62	42	20	20	23	19
Maryland.....	54	150	66	142	282	242	40	26	235	21
Virginia.....	269	477	423	959	419	214	205	114	101	204
West Virginia.....	141	294	337	507	350	257	93	187	108	55
North Carolina.....	205	260	169	231	140	54	86	31	23	86
South Carolina.....	92	186	208	179	( <sup>2</sup> )	-----	-----	-----	-----	-----
Georgia.....	169	526	493	871	594	329	265	105	282	207
Florida.....	48	82	94	80	92	42	50	28	29	35
<b>East South Central.....</b>	<b>755</b>	<b>663</b>	<b>1,020</b>	<b>739</b>	<b>773</b>	<b>499</b>	<b>274</b>	<b>335</b>	<b>180</b>	<b>258</b>
Kentucky.....	146	236	361	107	( <sup>2</sup> )	-----	-----	-----	-----	-----
Tennessee.....	31	67	209	159	193	131	62	52	84	57
Alabama.....	310	192	315	319	362	260	102	204	56	102
Mississippi.....	268	168	135	154	218	108	110	79	40	90
<b>West South Central.....</b>	<b>955</b>	<b>1,490</b>	<b>1,411</b>	<b>897</b>	<b>1,344</b>	<b>645</b>	<b>699</b>	<b>263</b>	<b>468</b>	<b>614</b>
Arkansas.....	161	154	106	85	80	38	42	26	19	35
Louisiana.....	203	145	228	120	265	63	202	63	17	185
Oklahoma.....	141	531	571	315	492	281	211	33	275	184
Texas.....	450	660	506	377	507	263	244	140	157	210
<b>Mountain.....</b>	<b>936</b>	<b>1,768</b>	<b>2,217</b>	<b>1,939</b>	<b>1,639</b>	<b>906</b>	<b>731</b>	<b>540</b>	<b>375</b>	<b>794</b>
Montana.....	81	134	74	89	59	38	21	38	-----	21
Idaho.....	64	80	128	105	123	70	53	46	24	53
Wyoming.....	24	122	106	132	113	82	31	40	42	31
Colorado.....	330	908	1,233	815	654	424	230	268	156	230
New Mexico.....	206	( <sup>2</sup> )	5	67	49	31	18	14	24	11
Arizona.....	24	25	-----	480	142	79	63	45	34	63
Utah.....	203	469	652	239	474	163	311	89	74	311
Nevada.....	4	30	19	12	25	21	4	-----	21	4
<b>Pacific.....</b>	<b>1,877</b>	<b>1,157</b>	<b>1,005</b>	<b>922</b>	<b>1,051</b>	<b>481</b>	<b>570</b>	<b>192</b>	<b>420</b>	<b>429</b>
Washington.....	130	55	67	117	208	71	137	14	117	77
Oregon.....	127	215	204	94	161	110	51	94	16	51
California.....	1,620	887	734	711	682	300	382	84	297	301
<b>Hawaii.....</b>	<b>-----</b>	<b>-----</b>	<b>-----</b>	<b>62</b>	<b>94</b>	<b>45</b>	<b>49</b>	<b>23</b>	<b>33</b>	<b>38</b>

<sup>1</sup> Includes Hawaii in 1926 and 1927.

<sup>2</sup> No report.

<sup>3</sup> Ohio reports an additional enrollment of 677 in foreman instructor training.

Source: Federal Board for Vocational Education.

# No. 131.—VOCATIONAL EDUCATION: EXPENDITURES UNDER THE VOCATIONAL EDUCATION ACT, FOR YEARS ENDED JUNE 30

## EXPENDITURES FOR ALL SCHOOLS, EXCEPT TEACHER TRAINING

Classification of expenditure	1920	1922	1924	1925	1926	1927
	Dollars 8,388,500	Dollars 14,908,118	Dollars 18,561,548	Dollars 18,667,543	Dollars 20,968,880	Dollars 22,146,188
Total						
From Federal money	1,745,208	3,301,579	3,817,954	4,636,297	5,560,290	5,708,700
From State money	2,008,306	3,936,345	4,226,669	4,739,305	5,173,761	5,486,707
From local money	3,134,896	7,671,194	8,506,926	9,292,940	10,218,839	10,952,781
Agricultural schools	2,437,285	4,647,042	5,251,144	6,146,124	7,164,460	7,469,296
From Federal money	889,896	1,669,969	1,896,406	2,262,543	2,656,886	2,794,600
From State money	678,824	1,108,461	1,204,644	1,370,965	1,571,427	1,516,068
From local money	868,575	1,868,612	2,150,094	2,512,616	2,936,147	3,158,628
Trade or industrial schools	2,408,919	4,274,992	5,064,656	5,604,127	6,194,107	6,463,109
From Federal money	509,385	902,158	1,042,217	1,227,128	1,512,544	1,533,924
From State money	786,368	1,293,508	1,359,968	1,467,009	1,580,116	1,758,772
From local money	1,112,966	2,180,326	2,662,470	2,909,990	3,101,447	3,170,413
Home economics schools	1,054,489	2,748,948	2,742,396	2,943,524	3,137,394	3,337,828
From Federal money	155,768	285,969	331,626	400,120	499,631	485,514
From State money	329,634	649,532	740,318	816,222	810,626	907,902
From local money	569,087	1,813,447	1,671,051	1,727,182	1,827,137	1,944,412
Part-time general continuation schools	967,807	3,138,136	3,493,353	3,973,767	4,456,729	4,875,965
From Federal money	190,259	443,753	548,304	746,506	891,229	892,662
From State money	213,290	894,844	921,739	1,084,109	1,211,592	1,303,975
From local money	564,258	1,799,539	2,023,311	2,143,152	2,353,908	2,679,318

## EXPENDITURES FOR TEACHER-TRAINING INSTITUTIONS

Total	1,846,983	2,233,578	2,291,861	2,243,314	2,229,010	2,370,486
From Federal money	731,204	1,007,557	1,013,926	978,253	988,367	1,016,010
From State money	661,979	938,187	948,567	1,033,671	975,321	1,018,604
From local money	253,800	277,834	328,758	240,391	265,322	340,764
Training teachers of agriculture	556,580	745,585	756,354	789,356	797,143	811,867
From Federal money	280,835	345,013	342,358	342,768	346,112	348,007
From State money	232,013	314,851	313,981	338,141	354,833	360,814
From local money	73,732	85,671	100,015	75,426	96,198	103,046
Training teachers of trade or industrial subjects	490,655	666,618	716,232	714,382	706,217	740,988
From Federal money	226,765	321,129	322,814	326,202	326,255	335,895
From State money	210,199	317,785	319,779	324,269	322,654	337,054
From local money	53,691	57,704	73,641	63,911	57,298	68,039
Training teachers of home economics	509,428	781,426	818,603	778,577	725,650	817,663
From Federal money	263,604	341,415	348,754	300,263	316,000	332,108
From State money	219,767	305,651	14,807	271,290	297,824	316,298
From local money	126,057	134,459	155,042	96,054	111,826	169,139

## TOTAL EXPENDITURES FROM FEDERAL MONEY, BY STATES

State	1925	1926	1927	State	1925	1926	1927
	Dollars	Dollars	Dollars		Dollars	Dollars	Dollars
Total	6,614,550	6,648,657	6,729,710	Nebraska	60,358	77,068	84,199
Alabama	126,288	139,762	143,720	Nevada	18,427	17,261	18,433
Arizona	30,536	32,643	31,959	New Hampshire	25,255	27,533	26,618
Arkansas	97,109	106,894	113,821	New Jersey	169,603	185,361	202,426
California	192,637	220,625	220,319	New Mexico	27,983	25,410	27,878
Colorado	54,522	62,168	63,627	New York	563,310	638,362	663,790
Connecticut	71,265	83,391	85,011	North Carolina	146,049	162,292	171,570
Delaware	25,538	26,001	26,610	North Dakota	36,707	43,707	48,792
Florida	51,316	56,751	63,063	Ohio	267,229	371,245	390,279
Georgia	139,656	193,531	194,469	Oklahoma	116,444	123,072	123,276
Idaho	29,523	32,882	34,111	Oregon	46,278	52,833	54,675
Illinois	342,730	405,352	406,073	Pennsylvania	425,575	492,711	496,141
Indiana	167,054	194,897	194,581	Rhode Island	41,357	45,372	46,158
Iowa	113,172	136,137	157,969	South Carolina	94,088	112,494	107,820
Kansas	72,635	89,982	96,573	South Dakota	39,650	41,892	45,025
Kentucky	114,601	119,706	136,954	Tennessee	132,696	157,016	157,018
Louisiana	83,176	95,529	106,671	Texas	224,441	292,248	294,384
Maine	28,821	28,554	31,824	Utah	31,376	35,652	35,652
Maryland	62,395	71,960	73,197	Vermont	23,121	22,247	23,529
Massachusetts	208,123	246,058	247,743	Virginia	126,343	150,204	149,752
Michigan	197,627	222,788	233,743	Washington	70,756	81,230	88,462
Minnesota	127,562	141,439	146,881	West Virginia	58,427	66,062	76,875
Mississippi	103,561	120,871	120,871	Wisconsin	150,241	166,238	175,120
Missouri	190,013	222,281	216,911	Wyoming	26,667	26,862	27,464
Montana	36,922	37,486	26,410	Hawaii		15,521	26,126

Source: Federal Board for Vocational Education.



### No. 132.—VOCATIONAL REHABILITATION OF PERSONS DISABLED IN INDUSTRY OR OTHERWISE: YEARS ENDED JUNE 30

[NOTE.—Relates only to cases aided by Federal funds. The total expenditure in 1927 (fiscal year) comprised: Federal funds, \$631,316.79; State and private funds, \$774,410.94]

State	Number rehabilitated						Live cases on roll June 30					
	1922	1923	1924	1925	1926	1927	1922	1923	1924	1925	1926	1927
<b>Total</b> .....	1,899	4,529	5,394	5,625	5,994	5,992	8,147	11,267	12,944	12,727	12,996	15,146
Alabama.....	11	31	113	182	132	136	152	262	283	574	608	832
Arizona.....			10	9	12	19		18	17	16	19	26
Arkansas <sup>1</sup> .....			31	3	19	22			6	10	162	214
California.....	32	194	275	102	237	238	606	594	424	517	630	675
Colorado <sup>2</sup> .....						10					2	26
Georgia.....	16	18	65	59	51	69	118	197	267	229	287	376
Idaho.....	4	15	35	27	29	25	61	105	73	66	54	40
Illinois.....	7	123	319	185	472	417	144	818	859	961	729	688
Indiana.....	61	70	128	139	164	145	321	333	261	372	472	539
Iowa.....	8	24	101	94	79	41	72	111	741	681	532	396
Kentucky.....		82	268	1	59	55		201	48	122	244	408
Louisiana.....	31	9	13	51	56	64	43	22	56	74	79	116
Maine.....	12	4	15	9	19	20	71	79	74	100	112	115
Massachusetts.....	4	38	90	106	102	148	170	242	209	182	310	304
Michigan.....	34	274	266	315	321	282	396	912	746	696	1,027	847
Minnesota.....	119	178	210	208	212	139	432	361	420	344	309	414
Mississippi.....	27	133	177	190	232	159	554	733	744	593	515	610
Missouri.....	59	63	69	46	14		146	139	129	102	(*)	
Montana.....	9	50	36	18	17	16	127	115	174	117	91	78
Nebraska.....	1	41	61	59	72	73	106	108	139	143	146	132
Nevada.....	11	11	8	20	14	15	19	10	87	29	30	9
New Jersey.....	181	929	942	1,441	702	711	199	221	131	608	354	635
New Mexico.....	3	8	4	8	9	12	40	39	40	23	91	67
New York.....	267	612	675	637	673	434	1,234	1,267	2,402	1,278	563	1,826
North Carolina.....	16	69	112	94	96	84	153	439	654	637	695	768
North Dakota.....		4	7	9	10	25		8	26	59	67	104
Ohio.....	258	536	615	692	551	561	832	962	988	884	872	832
Oklahoma <sup>3</sup> .....					6	16					277	763
Oregon <sup>4</sup> .....			26	42	41	35			70	30	42	102
Pennsylvania.....	406	452	415	475	453	490	888	878	800	667	1,302	1,577
Rhode Island.....	4	2	4	4	5	9	11	17	22	22	28	37
South Dakota.....	5	17	17	15	17	14	92	129	154	172	114	121
Tennessee.....	26	46	51	79	193	178	247	240	387	616	693	685
Utah.....	1	39	33	35	38	35	66	83	60	51	70	80
Virginia.....	35	53	120	103	88	80	78	236	119	261	258	329
West Virginia.....	109	165	146	173	171	126	347	598	615	379	304	222
Wisconsin.....	138	201	235	235	227	181	487	689	764	605	909	1,112
Wyoming.....	2	9	15	10	6	6	23	30	13	12	30	40

<sup>1</sup> The status of these cases on June 30, 1927, was as follows. Eligible but not in process of rehabilitation, 6,295; in process of rehabilitation but not in training, 5,011; in school training, 3,652; in employment training, 392; all other, 918.

<sup>2</sup> Cooperation with Federal Government began in fiscal year ending June 30, 1923.

<sup>3</sup> Cooperation with Federal Government began in fiscal year ending June 30, 1925.

<sup>4</sup> Live roll not reported.

Source: Federal Board for Vocational Education.

## 6. PUBLIC LANDS AND NATIONAL PARKS

**GENERAL NOTE.**—An original entry is a first claim to receive a given tract of public land. Final entry of the claim is made after required lapse of time and compliance with other conditions.

### No. 133 —ACREAGE OF ENTRIES AND PATENTS OF PUBLIC LAND

Class	1926 <sup>1</sup>			1927 <sup>1</sup>		
	Original entries	Final entries	Pat-ented <sup>2</sup>	Original entries	Final entries	Pat-ented <sup>2</sup>
<b>Total</b> .....	3, 114, 858	3, 063, 166	4, 406, 181	3, 471, 743	2, 797, 038	4, 488, 006
<b>Homesteads</b> .....	2, 874, 806	3, 451, 106	3, 682, 754	3, 236, 764	2, 583, 037	3, 423, 347
Section 2890, Revised Statutes <sup>3</sup> .....	309, 656	238, 158	402, 598	316, 145	190, 675	402, 354
June 17, 1902 (reclamation).....	1, 877	8, 003	9, 262	9, 955	7, 331	12, 399
Apr. 28, 1904 (Kinkaid).....	3, 337	0, 120	5, 372	0, 234	7, 618	3, 194
June 11, 1906 (forest).....	13, 502	28, 522	32, 710	11, 395	23, 767	23, 833
Feb. 19, 1909 (enlarged).....	291, 630	641, 172	719, 136	294, 264	395, 153	670, 962
June 9, 1916 (O & C. land grant).....	24, 575	31, 524	.....	27, 235	17, 987	.....
Dec. 29, 1916 (stock raising).....	2, 170, 028	2, 497, 007	2, 513, 676	2, 571, 646	1, 932, 096	2, 400, 605
<b>Timber and stone</b> .....	.....	18, 884	20, 780	.....	24, 445	25, 456
Coal land.....	.....	240	200	.....	517	240
Desert land.....	47, 171	75, 645	77, 390	34, 856	55, 984	76, 168
Mineral land.....	.....	58, 679	31, 220	.....	37, 037	56, 430
Public auction.....	.....	19, 128	28, 620	.....	26, 589	39, 205
State selection.....	102, 110	.....	.....	176, 049	.....	.....
Railroad and wagon-road selections.....	86, 489	.....	229, 050	14, 062	.....	117, 920
Miscellaneous.....	6, 192	39, 484	339, 166	9, 962	68, 839	718, 187

<sup>1</sup> Year ended June 30.

<sup>2</sup> Includes Indian lands.

<sup>3</sup> Original act.

### No. 134 —ACREAGE OF PUBLIC LAND WITHDRAWN FROM SETTLEMENT

[NOTE —Does not include national forests (see Table 658) or national parks (see Table 145), or withdrawals under the reclamation act.]

	Coal land	Oil land	Phosphate	Power-site reserve <sup>1</sup>	Public water reserve
<b>Withdrawals outstanding June 30:</b>					
1923.....	34, 556, 369	6, 417, 692	2, 425, 454	3, 848, 236	254, 810
1924.....	31, 951, 634	5, 995, 939	2, 390, 873	3, 883, 141	355, 232
1925.....	31, 442, 293	5, 940, 521	2, 319, 863	4, 243, 768	357, 307
1926.....	31, 128, 509	5, 802, 617	2, 320, 023	4, 499, 621	359, 566
1927.....	30, 535, 830	5, 273, 362	2, 307, 919	4, 915, 131	362, 481
<b>New withdrawals during year ended June 30:</b>					
1924.....	.....	.....	.....	87, 434	107, 205
1925.....	.....	.....	.....	398, 800	3, 033
1926.....	.....	.....	280	278, 389	5, 860
1927.....	25, 906	.....	.....	457, 406	4, 275
<b>Restoration of lands previously withdrawn, year ended June 30:</b>					
1924.....	2, 606, 735	421, 723	34, 581	52, 529	6, 783
1925.....	509, 370	55, 418	71, 010	38, 233	900
1926.....	313, 754	137, 904	120	22, 436	3, 591
1927.....	619, 175	529, 255	12, 104	41, 956	1, 300
<b>Withdrawals outstanding June 30, 1927</b> .....	<b>30, 598, 330</b>	<b>5, 273, 362</b>	<b>2, 307, 919</b>	<b>4, 915, 131</b>	<b>362, 481</b>
Alabama.....	.....	.....	.....	1, 780	.....
Alaska.....	.....	.....	.....	136, 420	.....
Arizona.....	139, 415	92, 496	.....	1, 231, 192	15, 835
Arkansas.....	.....	.....	.....	23, 844	.....
California.....	17, 603	1, 178, 392	.....	571, 628	167, 456
Colorado.....	4, 177, 681	218, 997	.....	414, 880	2, 380
Florida.....	.....	.....	78, 237	.....	.....
Idaho.....	4, 761	.....	662, 864	385, 449	13, 345
Louisiana.....	.....	400, 990	.....	.....	.....
Michigan.....	.....	.....	.....	1, 240	.....
Minnesota.....	.....	.....	.....	12, 309	.....
Montana.....	8, 224, 955	1, 344, 640	279, 904	181, 222	8, 066
Nebraska.....	.....	.....	.....	761	.....
Nevada.....	83, 873	.....	.....	55, 518	9, 606
New Mexico.....	5, 073, 496	.....	.....	262, 495	9, 811
North Dakota.....	6, 192, 376	84, 894	.....	.....	.....
Oregon.....	4, 361	.....	.....	681, 734	20, 761
South Dakota.....	.....	.....	.....	.....	240
Utah.....	3, 664, 580	919, 630	301, 945	604, 718	34, 286
Washington.....	692, 075	.....	.....	243, 048	920
Wyoming.....	2, 200, 404	967, 323	994, 900	106, 684	79, 785

<sup>1</sup> Includes withdrawals under act of June 25, 1910, power-site designations under acts of June 20, 1910, and June 9, 1916, and power-site classifications under act of Mar. 3, 1879.

Source of Tables 133 and 134: General Land Office, Department of the Interior.

**No. 135.—AREA OF INDIAN RESERVATIONS AND INDIAN POPULATION  
OF THE UNITED STATES, EXCLUSIVE OF ALASKA: JUNE 30**

State	Area of Indian reservations—unallotted square miles					Indian population				
	1880	1890	1900	1910	1927	1880	1900	1900	1920	1927
<b>Total</b> .....	341,800	102,991	121,685	55,792	49,083	258,127	242,534	270,544	326,337	344,840
Arizona.....	4,832	10,318	23,673	34,193	33,891	21,361	30,749	40,189	42,400	46,235
California.....	783	772	635	690	674	10,609	12,108	11,431	16,241	18,898
Colorado.....	19,480	1,710		619	619	2,530	1,703	993	796	796
Florida.....				42	42			575	484	508
Idaho.....	4,295	3,553	2,132	87	90	4,020	4,251	3,557	4,048	3,949
Indian Territory.....	64,236	40,412	30,490			76,895	68,225	86,263		
Iowa.....	1	2	4	5	5	355	399	365	245	292
Kansas.....	215	159	44		2	746	1,016	1,211	1,466	1,526
Michigan.....	104	42	13			10,141	7,428	7,557	7,510	7,610
Minnesota.....	7,853	3,523	2,446	865	869	6,198	6,403	6,952	12,681	15,055
Montana.....	45,870	16,549	14,945	5,538	888	21,650	10,842	10,076	12,374	13,507
Nebraska.....	682	214	117	10	12	4,409	3,264	3,854	2,461	4,304
Nevada.....	1,383	1,490	1,491	1,135	947	6,800	8,373	8,321	5,900	5,042
New Mexico.....	11,295	15,629	2,608	3,278	3,280	23,452	10,998	9,480	21,530	22,600
New York.....	135	137	137	137	137	5,139	5,112	5,334	6,432	5,375
North Carolina.....	102	102	154	99	99	2,200	3,000	1,436	8,268	12,185
North Dakota.....	<sup>1</sup> 57,214	9,158	5,794	156	2	<sup>1</sup> 27,168	7,769	8,276	9,018	10,257
Oklahoma.....		20,770	10,766	5	52		13,176	13,926	119,255	119,218
Oregon.....	6,022	3,242	2,031	1,800	1,742	5,355	4,507	4,063	5,629	6,674
South Dakota.....	( <sup>2</sup> )	18,221	14,050	568	490	( <sup>2</sup> )	19,690	19,212	23,010	23,107
Texas.....						290	290	290	702	2,110
Utah.....	3,186	6,207	3,186	526	526	840	2,211	2,115	3,057	1,579
Washington.....	10,821	6,321	3,646	2,655	1,400	14,289	9,830	9,827	11,114	12,900
Wisconsin.....	916	800	805	424	427	8,847	9,153	10,726	10,319	11,723
Wyoming.....	2,375	3,690	2,828	2,899	2,899	2,063	1,658	1,642	1,748	1,952
Miscellaneous.....						710	1,302	849	8,579	7,190

<sup>1</sup> Figures include the Five Civilized Tribes, with population as follows: 1880, 59,187; 1890, 65,200; 1900, 84,750; 1920 and 1927, 101,506, including 23,405 freedmen and 2,582 intermarried whites.

<sup>2</sup> Figures shown for North Dakota are for Dakota Territory.

Source. Commissioner of Indian Affairs, Department of the Interior.

**No. 136.—ORIGINAL ENTRIES OF PUBLIC AND INDIAN LAND: ACREAGE  
UNDER ALL ACTS, YEARS ENDED JUNE 30**

Item and State	1911-1915, total	1916-1920, total	1921-1925, total	1925	1926	1927
<b>Total</b> .....	<sup>1</sup> 53,037,350	73,128,600	<sup>1</sup> 40,619,890	<sup>1</sup> 3,641,092	<sup>1</sup> 3,243,448	<sup>1</sup> 3,594,638
Public land.....	<sup>1</sup> 78,098,362	68,663,397	<sup>1</sup> 39,608,619	<sup>1</sup> 3,492,433	<sup>1</sup> 3,116,858	<sup>1</sup> 3,471,743
Indian land.....	4,338,968	4,529,453	1,110,670	148,659	126,588	123,095
All homesteads.....	<sup>1</sup> 66,553,270	61,312,782	<sup>1</sup> 36,188,601	<sup>1</sup> 3,188,686	<sup>1</sup> 3,001,403	<sup>1</sup> 3,359,182
Stock-raising homesteads.....		<sup>1</sup> 14,024,063	26,752,562	2,208,039	2,250,485	2,663,790
Other entries.....	16,484,080	11,880,068	4,430,689	452,406	242,043	235,656
Total acreage in—						
Alabama.....	261,020	80,228	34,320	5,010	6,517	4,253
Alaska.....	40,006	99,153	51,332	8,434	8,386	7,314
Arizona.....	<sup>2</sup> 2,983,329	6,894,068	3,466,675	204,241	170,815	224,496
Arkansas.....	966,135	612,668	215,396	27,296	34,851	26,136
California.....	4,754,715	3,117,582	2,621,522	365,458	339,837	337,691
Colorado.....	9,183,877	10,106,447	5,064,909	417,255	357,464	426,780
Florida.....	561,440	188,097	171,867	46,134	50,680	14,711
Idaho.....	5,173,996	3,971,195	2,082,582	204,809	212,092	213,392
Kansas.....	373,343	436,717	46,015	3,706		
Louisiana.....	92,634	67,005	21,702	2,297	2,623	3,109
Michigan.....	79,931	41,020	21,804	2,523		
Minnesota.....	1,450,591	783,983	192,433	26,275	17,409	9,708
Mississippi.....	120,674	63,203	22,758	3,700		
Missouri.....	51,106	4,789	160			
Montana.....	22,438,090	14,785,405	4,903,929	353,759	356,384	363,023
Nebraska.....	5,307,451	494,289	128,302	15,939	8,541	11,911
Nevada.....	1,231,945	905,132	465,749	123,531	114,644	45,845
New Mexico.....	9,889,318	9,381,322	7,140,706	579,050	449,841	505,811
North Dakota.....	2,286,245	987,821	136,312	13,643	19,772	10,596
Oklahoma.....	412,645	192,220	87,242	16,612	15,300	10,511
Oregon.....	3,598,122	2,686,515	2,140,987	209,085	146,473	220,512
South Dakota.....	3,577,067	4,158,533	1,389,637	67,850	67,044	61,874
Utah.....	2,069,805	1,698,720	1,633,787	241,911	323,895	282,513
Washington.....	1,840,663	1,229,018	842,992	120,439	27,363	19,300
Wisconsin.....	63,918	21,033	10,712	1,083		
Wyoming.....	4,023,211	10,182,685	7,704,901	580,292	602,986	701,049

<sup>1</sup> Figures include entries made at the General Land Office and discontinued offices.

<sup>2</sup> 1916-1920 only.

Source. General Land Office, Department of the Interior.

**No. 137.—HOMESTEADS: ACREAGE OF ENTRIES OF PUBLIC LAND, YEARS ENDED JUNE 30**

Item and State	All homesteads						Stock raising only, 1927
	1911-1915, total	1916-1920, total	1921-1925, total	1925	1926	1927	
<b>Original entries, total</b>	<b>288,914,808</b>	<b>56,783,329</b>	<b>135,079,817</b>	<b>13,040,790</b>	<b>13,574,590</b>	<b>12,296,784</b>	<b>13,571,846</b>
Alabama.....	249,902	79,409	34,139	5,010	5,817	4,253	.....
Alaska.....	25,342	115,138	51,012	8,434	5,387	7,176	.....
Arizona.....	1,000,000	1,153,864	1,452,551	175,681	143,099	203,925	122,113
Arkansas.....	949,384	612,668	215,172	27,137	34,851	25,136	.....
California.....	2,192,577	2,477,967	2,201,327	301,938	303,990	303,501	150,511
Colorado.....	7,740,338	9,106,561	4,268,182	309,721	257,967	327,918	259,426
Florida.....	544,376	187,187	108,066	45,946	50,111	14,671	.....
Idaho.....	4,160,456	3,285,340	1,842,656	177,931	305,433	196,810	178,200
Kansas.....	355,466	436,068	48,016	3,706	.....	.....	.....
Louisiana.....	85,684	65,117	14,746	2,207	2,623	3,109	.....
Michigan.....	76,741	41,020	21,804	2,523	.....	.....	.....
Minnesota.....	392,598	96,656	47,147	7,476	13,957	8,161	.....
Mississippi.....	119,313	63,208	22,758	3,700	.....	.....	.....
Missouri.....	33,665	4,189	160	.....	.....	.....	.....
Montana.....	19,078,259	12,323,575	14,528,483	1342,041	1245,736	1240,843	287,500
Nebraska.....	5,106,548	494,095	122,985	15,939	8,541	11,911	3,791
Nevada.....	672,613	340,860	281,532	44,180	38,906	41,628	29,501
New Mexico.....	5,204,463	7,500,836	6,785,794	478,684	435,152	553,308	499,931
North Dakota.....	2,129,644	790,023	128,417	12,501	18,540	9,129	2,640
Oklahoma.....	390,896	183,756	80,546	11,507	15,360	10,511	6,511
Oregon.....	3,136,108	2,599,364	2,118,054	204,290	144,962	154,242	103,464
South Dakota.....	2,204,050	2,861,849	1,177,594	60,612	57,202	53,506	49,426
Utah.....	1,587,780	1,305,605	1,456,411	199,829	275,776	252,130	218,482
Washington.....	1,124,407	603,091	288,671	33,080	20,649	14,286	8,476
Wisconsin.....	62,629	19,485	10,071	1,073	.....	.....	.....
Wyoming.....	2,928,357	9,976,381	7,634,649	573,947	487,390	695,391	651,186
<b>Original entries, stock-raising homesteads (incl. above)</b>	<b>.....</b>	<b>13,721,423</b>	<b>26,980,455</b>	<b>2,217,283</b>	<b>1,170,088</b>	<b>2,571,846</b>	<b>.....</b>

**FINAL ENTRIES, ALL HOMESTEADS, ENTIRE UNITED STATES \***

1866.....	356,086	1884.....	2,945,578	1900.....	3,477,843	1916.....	7,278,281
1869.....	504,302	1885.....	3,032,679	1901.....	5,241,121	1917.....	8,497,399
1870.....	519,728	1886.....	2,663,532	1902.....	4,342,748	1918.....	8,236,438
1871.....	629,163	1887.....	2,749,037	1903.....	3,578,964	1919.....	6,524,760
1872.....	707,410	1888.....	3,175,401	1904.....	3,232,717	1920.....	8,372,096
1873.....	1,224,801	1889.....	3,681,709	1905.....	3,419,387	1921.....	7,720,740
1874.....	1,585,782	1890.....	4,060,363	1906.....	3,526,749	1922.....	7,307,034
1875.....	2,088,528	1891.....	3,954,588	1907.....	3,740,568	1923.....	5,594,269
1876.....	2,590,553	1892.....	3,259,897	1908.....	4,242,711	1924.....	4,791,436
1877.....	2,407,828	1893.....	3,477,232	1909.....	3,699,467	1925.....	4,049,911
1878.....	2,662,961	1894.....	2,929,947	1910.....	3,798,963	1926.....	3,451,106
1879.....	2,070,843	1895.....	2,980,809	1911.....	4,620,197	1927.....	2,583,627
1880.....	1,938,235	1896.....	2,790,243	1912.....	4,306,069		
1881.....	1,928,305	1897.....	2,778,404	1913.....	10,009,295	<b>Total</b>	<b>228,742,681</b>
1882.....	2,219,454	1898.....	3,085,616	1914.....	9,291,121		
1883.....	2,504,415	1899.....	3,134,140	1915.....	7,180,982		

\* Totals include entries made at the General Land Office and discontinued offices.

\* Data for Arizona, 1927, and Montana, 1923 to 1927, include entries of abandoned military reservations.

\* 1918-1920 only.

\* Final entries, stock-raising homesteads (included in totals). 1919, 90,000 acres, 1920, 622,610; 1921, 1,755,040; 1922, 2,399,384; 1923, 2,627,065; 1924, 2,822,211; 1925, 2,753,924; 1926, 2,497,007; 1927, 1,932,096.

**No. 138.—STOCK-RAISING HOMESTEADS: ORIGINAL ENTRIES OF PUBLIC AND INDIAN LANDS FROM PASSAGE OF ACT TO JUNE 30, 1927**

State	Entries	Acres	Fees and commissions	State	Entries	Acres	Fees and commissions
<b>Total.....</b>	<b>114,896</b>	<b>44,690,970</b>	<b>\$2,918,196</b>	Nebraska.....	456	79,257	\$5,761
Arizona.....	3,067	1,385,143	87,356	Nevada.....	599	316,766	18,489
Arkansas.....	3	1,120	58	New Mexico.....	21,226	9,117,568	557,386
California.....	5,864	2,346,170	163,549	North Dakota.....	706	212,191	14,417
Colorado.....	15,479	5,922,475	373,473	Oklahoma.....	366	71,349	4,769
Idaho.....	5,630	2,401,135	144,275	Oregon.....	6,662	2,622,448	163,702
Kansas.....	233	88,506	4,102	South Dakota.....	6,827	2,319,718	123,073
Michigan.....	5	1,821	98	Utah.....	2,929	1,594,783	97,587
Montana.....	14,621	5,344,834	390,909	Washington.....	1,386	435,610	35,969
				Wyoming.....	27,934	11,489,515	732,175

Source of Tables 137 and 138: General Land Office, Department of the Interior.

### No. 139.—TIMBER AND STONE, COAL, MINERAL, AND DESERT LAND ENTRIES OF PUBLIC LAND

State	Acreage of entries from passage of act to June 30, 1927				Acreage of entries during year ended June 30, 1927				
	Timber and stone	Coal	Desert land		Tim- ber and stone	Coal	Min- eral	Desert land	
			Original	Final				Original	Final
<b>Total</b> .....	13, 800, 031	994, 283	22, 655, 999	3, 529, 929	24, 443	517	27, 037	34, 854	29, 498
Alabama.....	43, 735	239			2, 287				
Alaska.....							2, 847		
Arizona.....	2, 943	6, 693	2, 553, 236	344, 991			2, 472	7, 725	3, 469
Arkansas.....	357, 707				3, 027				
California.....	2, 893, 655	5, 535	5, 151, 487	877, 136	1, 924		5, 587	7, 628	4, 059
Colorado.....	399, 189	215, 009	3, 223, 839	704, 313	407		1, 468	1, 644	2, 635
Dakota Territory.....		584	20, 021	300					
Florida.....	108, 837				1, 425				
Idaho.....	1, 011, 330	3, 277	3, 108, 506	1, 022, 326	582		1, 407	2, 866	3, 821
Iowa.....	119								
Louisiana.....	150, 277				308				
Michigan.....	149, 667								
Minnesota.....	1, 408, 046				1, 547				
Mississippi.....	19, 813								
Montana.....	663, 845	64, 758	5, 980, 081	2, 759, 653	40		896	620	1, 537
Nebraska.....	97								
Nevada.....	6, 502	1, 661	634, 712	156, 980			1, 800	2, 708	3, 638
New Mexico.....		26, 613	2, 188, 476	232, 064			767	1, 356	480
North Dakota.....	3, 646	2, 544	85, 279	20, 094					
Oklahoma.....	40								
Oregon.....	3, 806, 528	10, 572	1, 111, 358	296, 197	3, 941		1, 507	500	986
South Dakota.....	63, 909	3, 624	101, 761	101, 761	120		36		
Utah.....	3, 196	75, 828	1, 492, 444	446, 023	31	257	16, 228	6, 112	2, 961
Washington.....	2, 167, 284	64, 814	997, 954	70, 965	1, 935	100	725	120	181
Wisconsin.....	80, 362								
Wyoming.....	452, 125	112, 924	5, 529, 316	1, 507, 267	778		1, 300	3, 580	5, 850
General Land Office.....	2, 174	8			1, 003				
<b>ENTIRE AREA</b>									
Number of entries.....	107, 358	4, 415	158, 718	46, 261	300	3	565	248	201
Money payment, dollars.....	35, 385, 100	11, 919, 402	7, 867, 646	3, 648, 374	131, 206	29, 448	121, 625	8, 717	26, 608

<sup>1</sup> Includes 58,495 acres within the Ute Reservation

### No. 140.—PUBLIC LAND: ACRES UNAPPROPRIATED AND UNRESERVED, JUNE 30

State	1890	1900	1910	1920	1924	1926	1927
<b>Total</b> .....	598, 316, 681	557, 643, 130	343, 971, 874	200, 320, 125	184, 729, 648	196, 056, 747	193, 737, 686
Alabama.....	1, 105, 090	359, 250	106, 210	37, 200	34, 200	32, 380	
Arizona.....	49, 699, 052	50, 240, 998	41, 491, 309	18, 268, 909	13, 778, 789	18, 090, 711	16, 961, 100
Arkansas.....	4, 902, 329	3, 493, 444	512, 705	275, 595	229, 414	221, 316	227, 529
California.....	53, 922, 718	42, 467, 512	24, 894, 694	19, 565, 801	15, 946, 582	20, 667, 431	20, 610, 877
Colorado.....	39, 994, 446	39, 650, 247	21, 726, 192	8, 941, 185	7, 464, 208	7, 398, 407	7, 213, 300
Florida.....	5, 624, 420	1, 696, 411	453, 009	120, 077	20, 127	4, 459	13, 862
Idaho.....	46, 957, 290	43, 285, 694	24, 743, 604	8, 805, 112	9, 587, 139	10, 990, 470	10, 847, 882
Iowa.....	5, 000						
Kansas.....	755, 791	1, 196, 900	137, 189	4, 346			
Louisiana.....	1, 358, 853	442, 224	88, 911	14, 240	10, 701	9, 597	
Michigan.....	832, 707	430, 483	107, 896	73, 523			
Minnesota.....	6, 913, 554	4, 696, 203	1, 563, 302	256, 297	220, 492	250, 256	245, 740
Mississippi.....	1, 407, 480	285, 804	4, 058	33, 360			
Missouri.....	1, 151, 463	337, 046	2, 510	18			
Montana.....	64, 807, 627	67, 963, 057	36, 015, 943	5, 973, 741	6, 061, 750	6, 696, 924	6, 942, 527
Nebraska.....	11, 226, 584	9, 798, 688	1, 879, 498	66, 844	29, 797	32, 611	30, 001
Nevada.....	50, 804, 640	61, 277, 506	56, 474, 685	54, 267, 175	52, 466, 837	53, 925, 693	53, 112, 473
New Mexico.....	56, 360, 320	56, 541, 170	36, 454, 692	18, 446, 878	16, 222, 744	16, 399, 031	17, 065, 843
North Dakota.....	30, 497, 400	18, 725, 239	3, 410, 225	51, 044	131, 455	133, 237	133, 514
Oklahoma.....	3, 094, 603	5, 733, 572	5, 007	7, 404	41, 260	28, 772	
Oregon.....	38, 273, 228	34, 377, 907	17, 580, 573	14, 006, 767	13, 251, 000	13, 256, 430	13, 176, 634
South Dakota.....	10, 241, 498	11, 030, 809	4, 562, 804	288, 472	264, 861	300, 966	363, 800
Utah.....	36, 205, 100	42, 967, 451	35, 955, 554	29, 991, 715	26, 583, 779	26, 872, 218	26, 250, 172
Washington.....	19, 046, 316	11, 125, 893	3, 196, 059	1, 066, 696	823, 716	896, 207	981, 544
Wisconsin.....	619, 320	313, 565	14, 460	5, 154			
Wyoming.....	49, 010, 060	48, 358, 169	34, 573, 159	19, 679, 595	16, 447, 935	19, 849, 762	19, 579, 064

<sup>1</sup> Exclusive of the Cherokee Strip, containing 8,004,644 acres, and all other lands owned or claimed by the Indians in the Indian Territory west of the ninety-sixth degree of longitude.

<sup>2</sup> Increase over area June 30, 1925, due to special check and revision of vacant land statistics.

<sup>3</sup> Figures include 3,672,640 acres of unsurveyed land in public land strip.

Source of Tables 139 and 140: General Land Office, Department of the Interior.

**No. 141.—ACREAGE OF PUBLIC AND INDIAN LAND PATENTED: YEARS ENDED JUNE 30**

State	1926	1927	Class	1926	1927
<b>Total.....</b>	<b>4,408,181</b>	<b>4,454,888</b>	<b>Total.....</b>	<b>4,408,181</b>	<b>4,454,888</b>
Alabama.....	10,281	8,893	Commuted homestead.....	28,408	26,766
Alaska.....	9,000	11,314	Timber and stone.....	20,780	25,456
Arizona.....	144,884	181,714	Public sale.....	28,620	30,206
Arkansas.....	29,818	30,121	Cash, miscellaneous.....	27,435	16,101
California.....	332,470	342,297	Desert land.....	77,390	76,158
Colorado.....	636,372	532,945	Desert-land segregation.....	2,136	16,134
Florida.....	25,013	51,389	Town site.....	309	486
Idaho.....	195,343	160,577	Town lot.....	878	970
Illinois.....	443	280	Homestead.....	379,129	365,889
Indiana.....	1,876	1,293	Forest homestead.....	32,710	32,633
Iowa.....	100	..	Indian homestead.....	180	217,268
Kansas.....	6,551	4,441	Reclamation homestead.....	9,262	12,399
Louisiana.....	32,153	14,639	Soldiers' additional home- stead.....	2,167	1,661
Michigan.....	3,046	3,754	Enlarged homestead.....	719,136	570,902
Minnesota.....	17,985	17,796	Stock-raising homestead.....	2,613,676	2,400,606
Mississippi.....	36,456	11,505	Forest lieu selection.....	18,177	6,896
Missouri.....	903	949	Mineral.....	31,220	56,430
Montana.....	602,338	1,081,023	Coal.....	200	240
Nebraska.....	21,431	15,006	Private land claim.....	16,651	10,594
Nevada.....	68,227	53,482	Small holding claim.....	1,543	1,744
New Mexico.....	716,447	606,396	Swamp.....	9,365	12,682
North Dakota.....	24,559	22,802	Choctaw scrip.....	23,448	500
Ohio.....	1,216	563	Railroad.....	229,050	117,920
Oklahoma.....	9,575	9,646	Abandoned military res- ervation.....	4,770	5,650
Oregon.....	290,568	240,627	Timber sales.....	12,914	10,564
South Dakota.....	191,448	167,888	Forest exchange.....	745	16,365
Utah.....	119,044	156,179	Indian.....	182,673	364,310
Washington.....	76,067	87,949	Special acts.....	36,544	12,572
Wisconsin.....	2,497	5,776	Miscellaneous.....	4,622	7,296
Wyoming.....	706,962	635,651			

<sup>1</sup> Act of July 4, 1884, only. Reservations were reported on former patent.

NOTE. Area of supplemental patents (act Apr. 14, 1914) not included above, 15,572 acres in 1926 and 3,940 in 1927.

**No. 142.—ACREAGE OF PUBLIC LAND CERTIFIED OR PATENTED ON AC-  
COUNT OF RAILWAY AND WAGON-ROAD GRANTS: YEARS ENDED JUNE 30**

	Total, 1911-1915	Total, 1916-1920	Total, 1921-1925	1926	1927	1928	1929	1930
<b>Railway grants, total.....</b>	<b>4,711,439</b>	<b>5,378,674</b>	<b>6,188,079</b>	<b>1,968,830</b>	<b>1,671,676</b>	<b>440,416</b>	<b>228,090</b>	<b>117,408</b>
Alabama.....	40	120	..	..	..	..	..	161
Arizona.....	337,333	1,163,775	3,451,578	867,953	842,672	219,278	9,700	19,999
Arkansas.....	80	..	227	..	..	160	..	..
California.....	649,909	319,262	1,032,815	379,613	214,613	94,601	86,719	70,332
Colorado.....	240	160	14,482	80	160	723	160	..
Florida.....	19,975	..	639	..	..	..	40	..
Idaho.....	203,971	102,108	170,611	164,797	2,862	..	..	..
Iowa.....	11	80	..	..	..	..	..	..
Kansas.....	..	..	40	..	40	..	..	19
Louisiana.....	9,441	484	..	..	..	..	..	87
Michigan.....	55	..	..	..	..	..	..	357
Minnesota.....	24,823	5,744	328	268	..	16	43	317
Missouri.....	..	240	800	..	..	..	..	..
Montana.....	3,862,096	1,704,549	251,343	170,061	35,562	..	..	..
Nebraska.....	..	..	200	..	..	..	156	260
Nevada.....	76,394	515,222	712,564	277,673	206,308	123,068	32,660	9,527
New Mexico.....	70,505	1,525,406	344,121	26,586	191,792	1,187	96,984	15,552
North Dakota.....	53,597	623	70	70	..	..	..	..
Oregon.....	117,678	36,372	23,966	3,566	897	..	..	1,472
Utah.....	14,617	112,351	160	..	160	..	..	80
Washington.....	257,956	381,113	166,283	79,512	74,112	1,394	1,988	366
Wisconsin.....	2,041	720	1,405	205	1,160	40	720	244
Wyoming.....	10,629	7,344	14,634	11,916	1,638	..	..	..
<b>Wagon-road grants.....</b>	<b>263,234</b>	<b>19,637</b>	<b>24,356</b>	<b>5,201</b>	<b>1,965</b>	<b>15,269</b>	<b>..</b>	<b>1,392</b>

Source of Tables 141 and 142: General Land Office, Department of the Interior.

**No. 148.—ACREAGE OF LAND CERTIFIED OR PATENTED UNDER RAILWAY OR WAGON-ROAD GRANTS FROM 1850 TO JUNE 30, 1927**

State grants, total.....	27,797,891	Minnesota, total.....	8,040,913
Illinois Illinois Central.....	2,595,133	St. Paul, Minneapolis & Manitoba (formerly first division, St. Paul & Pacific).....	
Mississippi, total.....	1,075,345	Western R. R. (succeeded by St. Paul & Northern Pacific R. R. Co.).....	2,267,770
Mobile & Ohio River.....	737,130	St. Paul, Minneapolis & Manitoba (formerly St. Vincent extension of the St. Paul & Pacific).....	
Vicksburg & Meridian.....	199,102	Minnesota Central.....	179,734
Gulf & Ship Island.....	139,113	Winona & St. Peter.....	1,080,975
Alabama, total.....	2,746,722	St. Paul & Sioux City ..	1,126,619
Mobile & Ohio.....	1,419,528	St. Paul & Duluth.....	861,091
Alabama & Florida.....	399,023	Southern Minnesota, from a point on the Mississippi River to Houston.....	548,745
Selma, Rome & Dalton.....	458,556	Southern Minnesota Extension (now Chicago, Milwaukee & St. Paul) ..	
Cocoa & Tennessee.....	67,785	Hastings & Dakota.....	377,978
Mobile & Girard.....	302,181	Minnesota, North Dakota, Montana, and Washington St. Paul, Minneapolis & Manitoba, now Great Northern (main and branch), a special act (Aug. 5, 1892, 27 Stat. L. 390) to provide for indemnity for lands relinquished by the company.....	(*)
Alabama & Chattanooga.....	654,170	Kansas, total.....	4,034,197
South & North Alabama.....	445,478	Leavenworth, Lawrence & Galveston.....	249,446
Florida, total.....	2,217,660	Missouri, Kansas & Texas.....	978,598
Florida Central & Peninsular.....	742,348	Atchison, Topeka & Santa Fe.....	2,044,788
Florida & Alabama.....	160,691	St. Joseph & Denver City.....	463,309
Pensacola & Georgia.....	1,279,237	Corporation grants, total.....	94,597,555
Florida, Atlantic & Gulf Central.....	29,384	Union Pacific.....	11,935,281
Louisiana Vicksburg, Shreveport & Pacific.....	372,179	Central Pacific.....	7,267,858
Arkansas, total.....	2,562,322	Central Pacific (successor by consolidation with Western Pacific).....	441,495
St. Louis, Iron Mountain & Southern.....	1,325,582	Central branch, Union Pacific.....	223,139
Little Rock & Fort Smith.....	1,052,063	Union Pacific (Kansas division).....	6,176,334
Memphis & Little Rock.....	184,657	Union Pacific (successor to Denver Pacific Railway Co.).....	821,324
Missouri, total.....	1,837,968	Burlington & Missouri River in Nebraska.....	2,374,001
Southwest branch of the Pacific road.....	1,161,285	Sioux City & Pacific (now Missouri Valley Land Co.).....	42,611
Hannibal & St. Joseph.....	611,323	Northern Pacific.....	39,030,499
St. Louis, Iron Mountain & Southern.....	65,860	Oregon branch of Central Pacific (California & Oregon).....	3,209,749
Iowa, total.....	4,929,849	Oregon & California.....	2,777,592
Burlington & Missouri River.....	389,660	Atlanta & Pacific (now Santa Fe Pacific).....	11,775,467
Chicago, Rock Island & Pacific.....	1,483,214	Southern Pacific (main line).....	4,625,870
Cedar Rapids & Missouri River.....	161,533	Southern Pacific (branch line).....	2,235,590
Dubuque & Sioux City.....	1,922,825	Oregon Central.....	126,618
Iowa Falls & Sioux City.....	244,023	New Orleans Pacific.....	1,001,942
Des Moines Valley (river-improvement grant).....	1,550,407	Wagon roads, total.....	3,295,263
Chicago, Milwaukee & St. Paul, formerly McGregor & Missouri River.....	682,057	From Lake Erie to Connecticut Western Reserve.....	80,774
Sioux City & St. Paul.....	840,171	From Lake Michigan to Ohio River.....	170,680
Michigan, total.....	3,133,589	From Fort Wilkens, Copper Harbor, Mich., to Green Bay, Wis.....	302,931
Port Huron & Lake Michigan.....	37,467	From Fort Wilkens, Copper Harbor, Mich., to Wisconsin State line.....	221,013
Jackson, Lansing & Saginaw.....	743,828	Oregon Central Military Co. (now California & Oregon Land Co.).....	876,589
Grand Rapids & Indiana.....	852,521	Corvallis and Yaquina Bay.....	83,717
Flint & Pere Marquette.....	513,130	Willamette Valley and Cascade Mountain.....	961,512
Marquette, Houghton & Ontonagon.....	305,930	Dalles Military Road.....	592,907
Ontonagon & Brule River.....	34,227	Coe's Bay Military Road.....	108,240
Bay de Noquet & Marquette.....	128,301		
Chicago & North Western.....	518,185		
Wisconsin, total.....	2,651,513		
Chicago, St. Paul, Minneapolis & Omaha (formerly West Wisconsin).....	814,671		
Wisconsin Railroad Farm Mortgage Land Co.....	163,160		
Chicago, St. Paul, Minneapolis & Omaha (formerly St. Croix & Lake Superior).....	816,488		
Branch to Bayfield.....	471,721		
Chicago & North Western.....	546,448		
Wisconsin Central.....	839,028		

\* In the adjustment of this grant the road was treated as an entirety and without reference to the State line. Hence Alabama has had approved to her more and Mississippi less than they would appear to be entitled to in proportion to the length of road in the respective States.

\* Includes 35,685 acres of the Chicago, Rock Island & Pacific Ry., 109,757 acres of the Cedar Rapids & Missouri River R. R., and 77,535 acres of the Dubuque & Sioux City R. R., situated in the old Des Moines River grant of Aug. 8, 1846, which should be deducted.

\* Declared to be one grant.

\* See Minnesota for original grants.

\* Leavenworth, Lawrence & Galveston includes 166,837 acres and Missouri, Kansas & Texas 270,971 acres in the Osage ceded reservation which are to be deducted under decision of the Supreme Court.

Source: General Land Office, Department of the Interior.



**No. 144.—LAND GRANTS (INCLUDING SCRIP) TO STATES FOR EDUCATIONAL AND OTHER PURPOSES: ACREAGE TO JUNE 30, 1927**

[NOTE.—Does not include grants to States for specific railroad and wagon road companies covered by Table 143. The column "Internal improvements" covers only general items so designated]

State	Total	Common schools	Universities and agricultural education	Other educational	Miscellaneous institutions	Internal improvements	Swamp	All other
<b>Total</b>	<b>303,409,341</b>	<b>99,188,946</b>	<b>13,529,325</b>	<b>3,193,800</b>	<b>2,251,890</b>	<b>11,492,843</b>	<b>64,740,851</b>	<b>7,078,864</b>
Alabama	2,258,282	911,627	286,080	96,080	181	500,000	429,634	24,660
Alaska	21,345,209	21,000,209	336,000					
Arizona	10,489,236	8,093,159	398,060	450,000	450,000			1,100,000
Arkansas	9,372,998	933,779	196,080			500,000	7,686,455	58,680
California	8,425,320	5,534,293	196,080			500,000	2,188,547	5,400
Colorado	4,433,378	3,685,618	137,680		32,000	500,000		78,080
Connecticut	180,000		180,000					
Delaware	90,000		90,000					
Florida	21,968,924	975,207	90,000	92,160		500,000	20,306,327	5,120
Georgia	270,000		270,000					
Idaho	2,631,965	2,963,698	186,080	200,000	<sup>1</sup> 250,000			32,187
Illinois	3,639,226	996,320	480,000	46,080		533,368	1,459,868	123,589
Indiana	4,306,253	608,578	390,000	46,080		1,916,805	1,259,191	25,000
Iowa	3,019,646	988,196	286,080			500,000	1,196,090	49,280
Kansas	3,606,783	2,907,620	143,762			500,000		55,501
Kentucky	352,509		330,000		22,509			
Louisiana	10,997,395	807,271	210,000	46,080		500,000	9,434,044	
Maine	210,000		210,000					
Maryland	210,000		210,000					
Massachusetts	360,000		360,000					
Michigan	8,787,424	1,021,867	286,080			500,000	5,679,961	1,299,516
Minnesota	8,338,332	2,874,961	212,160			500,000	4,670,343	90,878
Mississippi	4,949,666	824,213	210,000	69,120		500,000	3,345,079	1,253
Missouri	5,374,486	1,221,813	330,000	46,080		500,000	3,427,953	48,640
Montana	5,869,618	5,198,258	186,560	202,000	100,000			182,800
Nebraska	3,458,711	2,730,961	130,080		32,000	500,000		58,680
Nevada	2,723,647	2,061,967	46,080	90,000	12,800	500,000		12,800
New Hampshire	150,000		150,000					
New Jersey	210,000		210,000					
New Mexico	12,406,027	8,711,394	562,703	650,000	750,000			1,732,000
New York	990,000		990,000					
North Carolina	270,000		270,000					
North Dakota	3,163,476	2,495,396	216,080	120,000	<sup>1</sup> 280,000			82,000
Ohio	2,492,928	724,289	630,000	69,120		1,019,072	26,252	24,216
Oklahoma	3,086,760	2,044,000	600,000	450,000	1,760			
Oregon	4,352,133	3,399,360	130,080			500,000	264,212	52,480
Pennsylvania	780,000		780,000					
Rhode Island	120,000		120,000					
South Carolina	180,000		180,000					
South Dakota	3,432,604	2,733,084	246,080	120,000	<sup>1</sup> 280,640			82,800
Tennessee	300,000		300,000					
Texas	180,000		180,000					
Utah	7,414,276	5,844,198	356,080	200,000	450,000			564,000
Vermont	150,000		150,000					
Virginia	300,000		300,000					
Washington	3,044,471	2,376,391	136,080	200,000	<sup>1</sup> 200,000			132,000
West Virginia	150,000		150,000					
Wisconsin	6,220,117	962,329	332,160			500,000	3,356,879	1,048,749
Wyoming	4,138,569	2,470,009	136,080		<sup>1</sup> 420,000			112,480

<sup>1</sup> Includes "Educational and charitable" as follows: Idaho, 150,000 acres; North Dakota, 170,000 acres; South Dakota, 170,000 acres; Washington, 200,000 acres.

<sup>2</sup> Includes educational, penal, etc., 290,000 acres.

Source: General Land Office, Department of the Interior.

No. 145.—NATIONAL PARKS AND NATIONAL MONUMENTS  
PARKS ADMINISTERED BY NATIONAL PARK SERVICE

Name	Location	When established	Area	Description
Hot Springs <sup>1</sup> .....	Middle Arkansas.	Apr. 20, 1832	Sq. miles 1½	46 hot springs possessing curative properties—Many hotels and boarding houses—19 bathhouses under public control.
Yellowstone <sup>1</sup> .....	Northwestern Wyoming, southwestern Montana, and northeastern Idaho.	Mar. 1, 1872	3,348	More geysers than in all the rest of world together—Boiling springs—Mud volcanoes—Petrified forests—Grand Canyon of the Yellowstone, remarkable for gorgeous coloring—Large lakes—Many large streams and waterfalls—Vast wilderness, greatest wild bird and animal preserve in the world—Exceptional trout fishing.
Sequoia <sup>1</sup> .....	Middle eastern California.	{Sept. 25, 1890 July 3, 1926 }	604	The Big Tree National Park—12,000 sequoia trees over 10 feet in diameter, some 25 to 36 feet in diameter—Towering mountain ranges—Startling precipices—Cave of considerable size.
Yosemite <sup>1</sup> .....	.....do.....	Oct. 1, 1890	1,125	Valley of world-famed beauty—Lofty cliffs—Romantic vistas—Many waterfalls of extraordinary height—3 groves of big trees—High Sierra—Waterwheel Falls—Good trout fishing.
General Grant <sup>1</sup> ...	.....do.....	.....do.....	4	Created to preserve the celebrated General Grant Tree, 35 feet in diameter.
Mount Rainier <sup>1</sup> ...	West central Washington.	{Mar. 2, 1899 May 28, 1926 }	326	Largest accessible single peak glacier system—28 glaciers, some of large size—48 square miles of glacier, 50 to 500 feet thick—Wonderful subalpine wild-flower fields.
Crater Lake <sup>1</sup> .....	Southwestern Oregon.	May 22, 1902	249	Lake of extraordinary blue in crater of extinct volcano—Sides 1,000 feet high—Interesting lava formation—Fine fishing.
Wind Cave <sup>1</sup> .....	South Dakota.	Jan. 9, 1903	17	Cavern having many miles of galleries and numerous chambers containing peculiar formations.
Platt.....	Southern Oklahoma.	{July 1, 1902 Apr. 21, 1904 }	1½	{Many sulphur and other springs possessing medicinal value.
Sullys Hill.....	North Dakota.	Apr. 27, 1904	1½	Small park with woods, streams, a lake. Is an important wild-animal preserve.
Mesa Verde <sup>1</sup> .....	Southwestern Colorado.	{June 29, 1906 June 30, 1913 }	77	Most notable and best preserved prehistoric cliff dwellings in United States, if not in the world.
Glacier <sup>1</sup> .....	Northwestern Montana.	May 11, 1910	1,534	Rugged mountain region of unsurpassed alpine character—250 glacier-fed lakes of romantic beauty—60 small glaciers—Precipices thousands of feet deep—Almost sensational scenery of marked individuality—Fine trout fishing.
Rocky Mountain <sup>1</sup> .	North middle Colorado.	{Jan. 26, 1915 Feb. 14, 1917 June 2, 1924 June 9, 1926 }	378	Heart of the Rockies—Snowy range, peaks 11,000 to 14,255 feet altitude—Remarkable records of glacial period.
Hawaii <sup>1</sup> .....	Hawaii.....	{Aug. 1, 1916 May 1, 1922 }	242	Three separate areas—Kilauea and Mauna Loa on Hawaii; Haleakala on Maui.
Lassen Volcanic <sup>1</sup> ..	Northern California.	Aug. 9, 1916	124	Only active volcano in United States proper—Lassen Peak, 10,465 feet—Cinder cone 6,879 feet—Hot Springs—Mud geysers.
Mount McKinley..	South central Alaska.	{Feb. 26, 1917 Jan. 30, 1922 }	2,645	Highest mountain in North America—Rises higher above surrounding country than any other mountain in the world.
Grand Canyon <sup>1</sup> ...	North central Arizona.	Feb. 26, 1919	1,009	The greatest example of erosion and the most sublime spectacle in the world.
Lafayette <sup>1</sup> .....	Maine coast...	.....do.....	12	The group of granite mountains upon Mount Desert Island.
Zion <sup>1</sup> .....	Southwestern Utah.	Nov. 19, 1919	120	Magnificent gorge (Zion Canyon), depth from 800 to 2,000 feet, with precipitous walls—Of great beauty and scenic interest.

MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE

Devils Tower.....	Wyoming.....	Sept. 24, 1906	Acres 1,152	Remarkable natural rock tower, of volcanic origin, 1,200 feet in height.
Montezuma Castle.	Arizona.....	Dec. 8, 1906	160	Prehistoric cliff-dwelling ruin of unusual size in a niche in face of a vertical cliff. Of scenic and ethnologic interest.
El Morro.....	New Mexico..	{Dec. 8, 1906 June 18, 1917 }	240	Enormous sandstone rock eroded in form of a castle, upon which inscriptions have been placed by early Spanish explorers. Contains cliff-dweller ruins. Of great historic, scenic, and ethnologic interest.

For footnotes, see p. 134.

**No. 145.—NATIONAL PARKS AND NATIONAL MONUMENTS—Continued**  
**MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE—Continued**

Name	Location	When established	Area	Description
Petrified Forest.....	Arizona.....	(Dec. 8, 1906 July 31, 1911)	<i>Acres</i> 25, 625	Abundance of petrified coniferous trees, one of which forms a small natural bridge. Is of great scientific interest.
Chaco Canyon.....	New Mexico..	Mar. 11, 1907	20, 620	Numerous cliff dweller ruins, including communal houses in good condition, and but little excavated.
Muir Woods <sup>1</sup> .....	California.....	(Jan. 9, 1908 Sept. 22, 1921)	426	One of the most noted redwood groves in California, and was donated by Hon. William Kent, Ex-Member of Congress. Located 7 miles from San Francisco.
Pinnacles.....	do.....	(Jan. 16, 1908 May 7, 1923 July 2, 1924)	2, 980	Many spirelike rock formations, 600 to 1,000 feet high, visible many miles also numerous caves and other formations.
Natural bridges.....	Utah.....	(Apr. 16, 1908 Sept. 25, 1909 Feb. 11, 1916)	2, 740	Three natural bridges, among largest examples of their kind. Largest bridge is 222 feet high, 65 feet thick at top of arch; arch is 28 feet wide, span, 361 feet; height of span, 157 feet. Other two slightly smaller.
Lewis & Clark Cavern <sup>2</sup> .....	Montana.....	(May 11, 1906 May 16, 1911)	100	Immense limestone cavern of great scientific interest, magnificently decorated with stalactite formations. Now closed to public because of depredations by vandals.
Tumacacori.....	Arizona.....	Sept. 15, 1908	10	Ruin of Franciscan mission dating from seventeenth century. Being restored by National Park Service as rapidly as funds permit.
Navajo.....	do.....	(Mar. 20, 1909 Mar. 14, 1912)	4 360	Contains numerous pueblo, or cliff-dweller ruins, in good preservation.
Shoshone Cavern.....	Wyoming.....	Sept. 21, 1909	210	Cavern of considerable extent, near Cody.
Gran Quivira.....	New Mexico..	(Nov. 1, 1909 Nov. 25, 1919)	4 560	One of the most important of earliest Spanish mission ruins in the Southwest. Monument also contains pueblo ruins.
Sitka.....	Alaska.....	Mar. 23, 1910	4 57	Park of great natural beauty and historic interest as scene of massacre of Russians by Indians. Contains 16 totem poles of best native workmanship.
Rainbow Bridge ..	Utah.....	May 30, 1910	160	Unique natural bridge of great scientific interest and symmetry. Height 309 feet above water, and span is 278 feet, in shape of rainbow.
Colorado.....	Colorado.....	May 24, 1911	13, 883	Many lofty monoliths, and is wonderful example of erosion, and of great scenic beauty and interest.
Papago Saguaro ..	Arizona.....	(Jan. 31, 1914 Dec. 28, 1922)	1, 940	Splendid collection of characteristic desert flora and numerous photographs interesting rock formations.
Dinosaur.....	Utah.....	Oct. 4, 1915	80	Deposits of fossil remains of prehistoric animal life of great scientific interest.
Capitol Mountain.....	New Mexico ..	Aug. 9, 1916	681	Cinder cone of geologically recent formation.
Verendrye.....	North Dakota.	June 29, 1917	253	Includes Crowhugh Butte, from which Explorer Verendrye first beheld territory beyond the Missouri River.
Casa Grande.....	Arizona.....	(June 22, 1892 Dec. 10, 1909 Aug. 3, 1918 June 7, 1920)	4, 725	These ruins are one of the most noteworthy relics of a prehistoric age and people within the limits of the United States. Discovered in ruinous condition in 1694.
Katmai.....	Alaska.....	(Sept. 24, 1918 Sept. 5, 1923)	1, 067, 990	Wonderland of great scientific interest in the study of volcanism. Phenomena exist upon a scale of great magnitude. Includes Valley of Ten Thousand Smokes.
Scotts Bluff.....	Nebraska.....	(Dec. 12, 1919 May 9, 1924)	1, 894	Region of historic and scientific interest. Many famous old trails, traversed by the early pioneers, in the winning of the West, passed over and through this monument.
Yucca House <sup>3</sup> .....	Colorado.....	Dec. 19, 1919	9. 6	Located on eastern slope of Sleeping Ute Mountain. Is pile of masonry of great archaeological value, relic of prehistoric inhabitants.
Fossil Cycad.....	South Dakota.	Oct. 21, 1922	320	Area containing deposits of fossil plants.
Aztec Ruin <sup>4</sup> .....	New Mexico..	Jan. 24, 1923	4. 6	Prehistoric ruin of pueblo type containing 500 ruins.
Hovenweep.....	Utah-Colo.....	Mar. 2, 1923	266	Four groups of prehistoric towers, pueblos, and cliff dwellings.
Pipe Spring.....	Arizona.....	May 31, 1923	40	Old stone fort and spring of pure water in desert region. Serves as memorial to early western pioneer life.
Carlsbad Cave....	New Mexico..	Oct. 25, 1923	719	Beautifully decorated limestone cavern, believed to be largest yet discovered.
Craters of the Moon.	Idaho.....	May 2, 1924	24, 060	Best example of fissure lava flows; volcanic region with weird landscape effects.

<sup>1</sup>For footnotes, see p. 134.



## 7. CLIMATE

### No. 146.—CLIMATIC CONDITIONS: SELECTED CITIES IN THE UNITED STATES

[NOTE.—The table presented herewith shows the more important facts concerning the weather at a number of points in the United States selected with a view to covering all the important climatic sections and including at least one from each State. The data are long-time averages based on daily observations made at the respective points covering periods ranging from 20 to more than 50 years. Temperatures are Fahrenheit.]

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>ALABAMA, MONTGOMERY</b>													
Temperature:													
Monthly mean.....	48.2	51.6	57.8	65.3	73.4	79.6	81.7	80.8	76.3	66.6	55.8	49.4	63.5
Daily mean maximum.....	56.9	60.8	67.6	75.5	83.6	89.5	91.0	89.9	85.8	75.8	65.8	58.4	75.1
Daily mean minimum.....	39.5	42.3	47.9	55.1	63.2	69.8	72.3	71.7	66.8	56.4	45.8	40.4	55.9
Highest on record.....	80	84	90	92	99	106	107	103	99	90	85	79	107
Lowest on record.....	5	-5	21	30	43	48	61	58	45	31	18	8	-5
Precipitation:													
Total, inches.....	4.11	4.52	4.38	4.25	3.82	4.21	4.63	4.24	2.88	2.44	3.13	4.50	51.16
Days with 0.01 inch or more.....	11	10	10	8	9	11	12	11	8	6	7	10	113
Total snowfall, inches.....	0.2	0.3	( <sup>1</sup> )	( <sup>1</sup> )	0	0	0	0	0	0	( <sup>1</sup> )	0.3	0.8
Percentage of possible sunshine.....	50	54	60	66	71	73	62	66	66	66	60	45	62
Number of clear days.....	8	9	12	12	13	10	8	9	14	16	14	10	135
Hourly wind velocity, miles.....	6.6	7.2	7.2	6.6	5.7	5.3	5.0	4.6	5.3	5.4	5.7	6.2	5.9
<b>ARIZONA, PHOENIX</b>													
Temperature:													
Monthly mean.....	51.2	55.1	60.7	67.0	75.0	84.5	89.8	88.5	82.7	70.5	59.7	52.0	69.7
Daily mean maximum.....	63.7	68.0	74.1	81.6	90.1	100.2	103.1	101.0	93.4	85.2	73.9	64.9	83.5
Daily mean minimum.....	38.7	42.3	47.3	52.5	59.8	68.7	75.4	76.0	69.0	56.0	45.5	39.0	55.9
Highest on record.....	81	92	95	102	114	116	117	113	112	105	92	80	117
Lowest on record.....	61	24	30	35	39	49	63	8	47	36	28	22	16
Precipitation:													
Total, inches.....	1.17	0.69	0.49	0.43	0.08	0.12	1.07	0.96	1.01	0.35	0.96	0.59	7.87
Days with 0.01 inch or more.....	4	4	4	2	1	1	6	8	3	2	2	2	39
Total snowfall, inches.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	0	0	0	0	0	0	0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Percentage of possible sunshine.....	72	77	80	87	91	93	82	82	89	89	82	77	84
Number of clear days.....	17	15	17	21	23	25	17	18	22	23	20	19	227
Hourly wind velocity, miles.....	4.0	4.6	5.0	5.4	4.9	5.0	5.0	4.6	4.4	4.2	3.9	3.8	4.8
<b>ARKANSAS, LITTLE ROCK</b>													
Temperature:													
Monthly mean.....	41.4	44.9	52.0	62.1	70.3	77.4	80.9	79.8	74.1	63.6	52.1	44.2	62.0
Daily mean maximum.....	49.4	53.7	62.3	71.3	79.4	86.4	89.8	88.8	83.3	73.3	61.3	52.2	70.9
Daily mean minimum.....	33.4	36.0	43.8	52.8	61.2	68.4	71.9	70.7	64.9	53.9	42.9	36.2	53.0
Highest on record.....	78	87	90	94	95	102	108	105	101	93	84	78	106
Lowest on record.....	-8	-12	16	28	39	51	60	52	41	27	10	5	-12
Precipitation:													
Total, inches.....	4.79	4.18	4.94	4.51	5.10	4.09	3.99	3.55	3.26	2.56	4.59	4.24	49.89
Days with 0.01 inch or more.....	9	9	10	10	9	10	10	9	7	7	8	9	107
Total snowfall, inches.....	2.8	1.5	0.4	( <sup>1</sup> )	0	0	0	0	0	0	0.1	1.2	6.0
Percentage of possible sunshine.....	46	53	58	62	65	71	70	71	72	70	60	48	62
Number of clear days.....	10	9	11	11	11	11	11	13	15	17	13	11	143
Hourly wind velocity, miles.....	9.7	10.4	10.9	10.3	8.8	7.4	7.2	6.6	7.2	7.8	8.6	8.9	8.6
<b>CALIFORNIA, FRESNO</b>													
Temperature:													
Monthly mean.....	46.2	51.1	55.0	60.2	67.1	75.8	82.1	80.7	73.4	64.0	54.2	46.2	63.0
Daily mean maximum.....	54.5	60.8	65.7	73.4	81.8	92.0	99.4	98.0	89.1	78.0	65.9	54.5	75.1
Daily mean minimum.....	37.9	41.4	44.4	47.0	52.4	59.5	64.8	63.3	57.6	50.1	42.5	37.9	49.9
Highest on record.....	73	83	87	101	110	112	118	113	111	100	85	74	115
Lowest on record.....	17	24	28	34	39	42	50	51	42	36	27	23	17
Precipitation:													
Total, inches.....	1.80	1.23	1.76	0.71	0.63	0.10	0	0	0.27	0.72	1.03	1.53	9.06
Days with 0.01 inch or more.....	8	7	8	3	2	1	0	0	1	3	4	7	44
Total snowfall, inches.....	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine.....	44	60	64	82	87	94	96	97	90	87	70	47	76
Number of clear days.....	9	13	14	19	21	26	29	29	25	22	17	10	233
Hourly wind velocity, miles.....	4.6	4.8	5.7	6.8	7.8	8.3	7.4	6.7	5.9	4.7	4.1	4.1	5.9

<sup>1</sup>Trace.

## No. 146.—CLIMATIC CONDITIONS, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>CALIFORNIA, LOS ANGELES</b>													
Temperature													
Monthly mean	54.8	55.5	57.5	59.4	62.2	66.4	70.2	71.1	69.0	65.3	60.9	56.6	62.4
Daily mean maximum	64.3	65.1	67.3	69.1	71.6	76.7	81.4	82.3	80.1	76.7	72.0	66.8	72.8
Daily mean minimum	44.9	46.0	47.8	49.7	52.6	55.1	59.1	60.0	57.9	54.0	49.8	45.3	52.0
Highest on record	89	92	93	100	103	105	109	106	108	102	96	89	109
Lowest on record	28	28	31	35	40	45	49	49	44	34	24	20	28
Precipitation													
Total, inches	2.84	2.91	3.00	1.13	0.48	0.07	0	0	0.06	0.72	1.48	2.90	15.64
Days with 0.01 inch or more	7	6	7	4	2	1	0	0	1	3	3	6	41
Total snowfall, inches	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)	(1)
Percentage of possible sunshine	67	68	67	69	69	71	77	79	77	70	77	73	72
Number of clear days	14	12	12	11	10	11	14	16	16	17	17	16	106
Hourly wind velocity, miles	5.1	5.3	5.3	5.2	5.2	5.0	4.7	4.6	4.5	4.5	4.0	5.0	4.9
<b>CALIFORNIA, SAN DIEGO</b>													
Temperature													
Monthly mean	54.3	55.1	57.7	58.5	60.8	63.9	67.2	68.7	67.1	62.7	58.7	56.0	61.0
Daily mean maximum	62.2	62.6	63.9	64.8	66.2	69.0	72.3	73.9	72.9	70.6	67.7	64.4	67.5
Daily mean minimum	46.5	47.7	49.6	52.2	55.2	58.7	62.1	63.6	61.3	56.7	51.7	47.7	54.4
Highest on record	83	85	99	96	98	94	93	93	110	96	93	84	110
Lowest on record	25	34	36	39	45	50	54	54	50	44	36	32	25
Precipitation													
Total, inches	2.00	1.90	1.70	0.74	0.41	0.03	0	0	0.06	0.46	0.82	1.82	10.01
Days with 0.01 inch or more	7	7	7	4	3	1	0	1	1	3	4	6	44
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	67	67	66	69	66	62	67	72	72	73	76	74	68
Number of clear days	16	14	14	15	12	14	17	19	19	18	18	18	194
Hourly wind velocity, miles	5.1	5.8	5.2	6.4	6.4	6.1	5.9	5.7	5.7	5.3	5.0	5.0	5.7
<b>CALIFORNIA, SAN FRANCISCO</b>													
Temperature													
Monthly mean	49.9	52.2	54.2	56.0	58.8	58.5	59.5	59.1	60.9	60.5	56.3	51.3	56.1
Daily mean maximum	55.0	57.8	60.3	61.2	63.0	65.1	64.7	65.0	67.7	67.5	62.1	56.2	62.1
Daily mean minimum	44.9	46.6	48.1	48.8	50.5	51.9	52.3	53.3	54.2	53.5	50.5	45.3	50.1
Highest on record	78	80	86	88	97	100	98	93	101	96	83	72	101
Lowest on record	29	33	33	40	42	46	47	45	47	45	38	34	29
Precipitation													
Total, inches	4.33	3.70	3.14	1.62	0.81	0.17	0.01	0	0.29	1.29	2.47	4.34	22.27
Days with 0.01 inch or more	12	13	10	6	4	2	0	0	3	4	6	11	70
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)
Percentage of possible sunshine	52	54	59	70	70	75	69	63	70	69	60	54	64
Number of clear days	11	11	12	15	15	19	15	14	16	17	13	10	168
Hourly wind velocity, miles	7.4	7.5	8.8	10.1	11.2	12.6	12.1	12.1	10.1	7.8	6.7	6.8	9.6
<b>COLORADO, DENVER</b>													
Temperature													
Monthly mean	29.8	32.7	39.3	47.1	55.2	66.3	72.2	70.7	62.9	51.2	39.8	32.3	50.0
Daily mean maximum	42.2	44.9	51.6	59.1	68.6	79.7	85.7	84.0	76.9	64.6	52.3	44.7	62.9
Daily mean minimum	17.3	20.5	27.1	35.0	43.9	52.9	58.7	57.4	48.9	37.4	27.2	19.9	37.2
Highest on record	76	77	82	86	92	99	102	105	97	90	79	74	106
Lowest on record	-29	-22	-11	4	19	32	42	40	21	-2	-18	-25	-29
Precipitation													
Total, inches	0.42	0.49	1.00	2.17	2.54	1.47	1.62	1.34	0.89	0.98	0.52	0.60	14.02
Days with 0.01 inch or more	4	6	7	9	10	7	9	9	6	5	4	5	61
Total snowfall, inches	4.8	7.0	9.2	9.9	2.4	(1)	0	0	0.6	4.2	5.7	9.2	53.6
Percentage of possible sunshine	67	67	64	82	60	69	67	67	71	71	68	64	66
Number of clear days	15	12	11	9	9	12	11	11	15	16	15	15	151
Hourly wind velocity, miles	7.6	7.6	8.2	8.4	7.7	7.3	6.9	6.6	6.7	7.0	7.2	7.3	7.4
<b>CONNECTICUT, HARTFORD</b>													
Temperature													
Monthly mean	27.6	26.3	37.0	47.8	58.7	66.9	72.9	70.2	63.8	52.6	41.3	30.2	49.8
Daily mean maximum	35.3	33.9	44.9	56.6	68.2	76.7	82.3	79.7	73.0	63.5	49.2	37.7	58.4
Daily mean minimum	20.0	17.4	27.9	38.1	48.7	56.7	63.2	60.8	53.8	44.3	33.8	23.0	40.7
Highest on record	67	60	82	90	94	98	100	100	95	80	74	67	100
Lowest on record	-12	-14	4	11	32	48	48	43	32	25	13	-18	-18
Precipitation													
Total, inches	3.83	3.55	4.32	3.57	3.54	3.08	4.11	4.56	3.50	3.86	3.63	3.57	40.31
Days with 0.01 inch or more	12	10	12	12	12	10	11	10	9	8	10	10	126
Total snowfall, inches	8.7	13.4	6.7	1.8	0	0	0	0	0	0	1.4	8.4	40.4
Percentage of possible sunshine	45	54	55	52	53	56	56	54	54	51	46	44	52
Number of clear days	8	9	10	8	9	8	7	8	10	11	7	8	103
Hourly wind velocity, miles	8.0	8.1	8.6	8.6	7.9	7.1	6.9	6.3	6.2	6.9	7.8	7.4	7.5

/ Trace.

## No. 146.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>DELAWARE, WILMINGTON</b>													
Temperature													
Monthly mean	32.8	31.9	42.2	52.9	63.8	71.6	76.8	74.6	68.1	57.4	45.4	34.8	54.4
Daily mean maximum	40.0	39.5	51.2	61.1	74.2	81.8	86.1	83.6	77.2	66.2	53.3	41.7	63.2
Daily mean minimum	25.3	24.3	33.0	42.6	53.4	61.3	67.5	65.6	58.9	48.4	37.5	27.8	45.8
Highest on record	70	67	78	97	98	102	108	107	98	88	77	70	107
Lowest on record	-10	-12	6	21	31	42	50	48	33	26	12	-7	-12
Precipitation													
Total, inches	3.26	3.22	3.54	3.38	3.55	3.91	5.08	4.84	3.46	3.18	2.88	3.84	41.38
Days with 0.01 inch or more	9	8	9	9	9	9	9	9	8	6	7	8	98
Total snowfall, inches	0.4	0.2	4.1	1.1	0	0	0	0	0	(1)	0.4	4.7	22.9
<b>D. C., WASHINGTON</b>													
Temperature													
Monthly mean	33.4	35.3	42.6	53.3	63.7	72.2	76.8	75.0	68.1	57.4	45.2	36.6	56.0
Daily mean maximum	41.1	42.1	51.7	63.2	73.2	81.8	86.3	84.1	77.5	67.2	54.0	44.2	64.0
Daily mean minimum	26.7	27.2	33.5	43.6	54.1	62.7	67.3	66.0	58.7	47.5	36.5	29.0	48.0
Highest on record	76	78	93	95	96	102	103	106	104	92	80	73	108
Lowest on record	-14	-18	4	15	33	43	52	49	36	26	12	-13	-15
Precipitation													
Total, inches	3.37	3.42	3.85	3.25	3.82	4.18	4.66	4.40	3.50	3.09	2.71	3.16	43.80
Days with 0.01 inch or more	12	10	12	11	12	11	11	11	8	9	9	10	128
Total snowfall, inches	0.7	0.5	4.7	0.6	0	0	0	0	0	(1)	1.1	3.8	23.6
Percentage of possible sunshine	46	54	54	58	61	62	64	61	63	61	56	51	58
Number of clear days	9	9	9	11	11	11	11	11	13	14	11	11	131
Hourly wind velocity, miles	7.0	8.0	8.0	8.0	7.0	6.0	5.0	5.0	5.0	6.0	7.0	7.0	7.0
<b>FLORIDA, JACKSONVILLE</b>													
Temperature													
Monthly mean	55.4	58.0	62.6	68.7	75.0	79.9	82.1	81.7	78.3	71.1	62.2	56.3	69.3
Daily mean maximum	64.1	66.9	71.5	77.6	83.5	87.9	90.2	89.6	85.5	78.6	70.7	65.0	77.6
Daily mean minimum	46.7	49.1	53.5	59.7	66.4	71.8	74.0	73.7	71.1	63.6	53.7	47.5	60.9
Highest on record	81	86	91	92	98	101	104	101	99	95	86	82	104
Lowest on record	15	10	20	34	46	54	66	64	49	37	26	14	10
Precipitation													
Total, inches	3.13	3.43	3.52	3.72	4.25	5.53	6.20	6.21	8.03	5.08	2.19	2.99	53.25
Days with 0.01 inch or more	9	9	8	7	9	12	15	15	13	10	8	8	123
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	56	57	67	73	71	65	63	63	60	56	62	52	62
Number of clear days	10	10	13	13	13	8	8	9	10	12	12	11	120
Hourly wind velocity, miles	8.3	6.8	9.1	9.0	8.4	8.0	7.9	7.4	7.8	8.6	8.1	8.0	8.3
<b>FLORIDA, MIAMI</b>													
Temperature													
Monthly mean	64.5	67.1	70.2	72.8	76.4	80.0	81.0	81.4	80.1	77.0	71.8	66.0	74.4
Daily mean maximum	74.1	74.4	77.0	79.5	82.4	85.3	86.8	87.1	85.8	82.6	77.4	75.3	80.7
Daily mean minimum	51.6	60.2	64.5	67.4	70.9	74.1	75.5	76.1	74.9	72.6	66.3	62.6	68.9
Highest on record	85	88	92	93	94	94	96	96	95	93	89	91	96
Lowest on record	39	27	34	45	50	61	67	67	62	53	36	32	27
Precipitation													
Total, inches	2.73	2.13	2.61	3.33	6.48	7.13	6.17	6.42	8.72	8.96	2.84	2.00	59.52
Days with 0.01 inch or more	9	6	7	7	11	12	16	14	17	16	11	7	133
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	44	60	72	72	66	61	66	70	64	60	60	62	66
Number of clear days	11	11	12	10	7	6	5	6	6	6	9	10	99
Hourly wind velocity, miles	9.3	9.4	9.7	9.9	9.1	7.6	7.2	7.5	8.0	9.0	10.7	8.5	8.8
<b>FLORIDA, TAMPA</b>													
Temperature													
Monthly mean	60.6	61.8	67.2	70.9	76.5	80.2	81.3	81.5	80.0	74.3	67.1	61.4	71.9
Daily mean maximum	69.4	70.7	76.4	80.3	85.5	88.6	89.1	89.3	88.1	82.4	75.9	70.3	80.5
Daily mean minimum	51.7	53.0	57.9	61.6	67.4	71.7	73.4	73.6	72.0	66.1	58.3	52.6	63.3
Highest on record	83	86	92	90	94	98	96	97	96	93	87	84	96
Lowest on record	23	22	32	38	52	59	65	66	54	43	32	19	19
Precipitation													
Total, inches	2.80	2.27	2.81	1.85	2.92	8.34	8.43	8.59	7.41	2.97	1.72	2.02	53.13
Days with 0.01 inch or more	7	7	6	5	7	14	18	16	15	8	5	7	117
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	61	66	72	75	73	67	63	64	66	65	65	59	66
Number of clear days	11	11	14	14	12	8	6	5	6	12	13	12	126
Hourly wind velocity, miles	6.9	7.4	7.4	7.4	6.9	6.2	5.7	5.5	6.2	7.2	6.8	6.6	6.7

\* Trace.



## No. 146.—CLIMATIC CONDITIONS, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>GEORGIA, ATLANTA</b>													
Temperature													
Monthly, mean.....	42.6	45.2	52.0	61.0	69.9	76.0	78.1	77.0	72.4	63.0	52.1	44.7	61.2
Daily mean maximum.....	50.2	53.5	60.9	70.4	79.4	85.2	86.7	85.1	80.5	71.9	60.8	52.5	69.8
Daily mean minimum.....	35.0	37.1	43.0	51.7	60.4	66.8	69.5	69.0	64.1	54.1	43.3	36.8	62.6
Highest on record.....	75	78	87	89	97	100	100	98	97	94	82	73	100
Lowest on record.....	-2	-8	8	25	38	39	58	55	43	28	14	1	-8
Precipitation													
Total, inches.....	5.31	4.65	5.78	3.63	3.09	3.88	4.72	4.48	3.52	2.34	3.40	4.54	49.36
Days with 0.01 inch or more.....	11	11	11	10	9	11	13	12	8	7	8	11	123
Total snowfall, inches.....	0.9	1.1	0.1	( <sup>1</sup> )	0	0	0	0	0	( <sup>1</sup> )	( <sup>1</sup> )	0.6	2.7
Percentage of possible sunshine.....	47	53	56	64	68	69	60	58	65	65	63	47	60
Number of clear days.....	9	9	12	12	12	10	8	9	13	16	13	11	134
Hourly wind velocity, miles.....	12.0	12.2	12.0	11.0	9.4	8.8	7.9	7.7	8.6	9.9	11.0	11.6	10.1
<b>IDaho, BOISE</b>													
Temperature													
Monthly, mean.....	29.8	34.8	42.7	50.4	57.1	65.2	72.9	71.8	61.9	51.1	41.0	32.1	50.9
Daily mean maximum.....	37.7	43.3	52.7	62.4	70.0	79.5	88.9	87.7	78.4	63.7	50.7	39.9	62.7
Daily mean minimum.....	21.9	26.3	32.6	38.4	44.8	51.1	56.9	55.9	47.4	38.5	31.3	24.3	39.1
Highest on record.....	62	67	77	92	100	105	111	107	100	91	73	64	111
Lowest on record.....	-28	-12	5	17	25	30	40	32	28	16	-10	-7	-28
Precipitation													
Total, inches.....	1.89	1.42	1.44	1.18	1.29	0.88	0.18	0.16	0.41	1.28	0.86	1.72	12.71
Days with 0.01 inch or more.....	13	11	11	8	7	6	2	2	4	6	9	11	90
Total snowfall, inches.....	7.7	5.5	3.3	0.9	( <sup>1</sup> )	0	0	0	0	0.1	1.5	5.9	24.6
Percentage of possible sunshine.....	38	48	57	66	71	79	87	86	79	69	50	40	64
Number of clear days.....	5	6	7	9	11	14	21	21	17	14	8	6	139
Hourly wind velocity, miles.....	4.9	5.2	6.1	6.3	6.1	5.3	4.9	4.5	4.5	4.3	4.6	4.4	5.1
<b>ILLINOIS, CHICAGO</b>													
Temperature													
Monthly, mean.....	25.1	27.4	36.3	47.7	58.5	68.2	73.9	72.8	66.2	55.1	41.2	30.0	50.2
Daily mean maximum.....	31.8	34.1	43.0	54.9	66.2	75.6	80.5	79.0	72.9	62.0	47.5	36.0	64.8
Daily mean minimum.....	18.7	20.8	29.5	40.6	50.8	60.7	67.2	66.6	59.7	48.3	35.0	24.0	42.5
Highest on record.....	63	68	81	88	94	99	103	102	98	87	75	68	108
Lowest on record.....	-20	-21	-12	17	27	40	50	47	32	14	-2	-23	-23
Precipitation													
Total, inches.....	2.00	2.16	2.55	2.88	3.37	3.06	3.64	2.88	3.02	2.55	2.50	2.07	32.26
Days with 0.01 inch or more.....	11	10	12	11	12	11	9	9	9	9	10	12	126
Total snowfall, inches.....	9.9	9.4	4.9	0.9	( <sup>1</sup> )	0	0	0	0	0.1	1.7	6.5	33.7
Percentage of possible sunshine.....	45	51	54	59	64	71	73	70	63	60	47	41	58
Number of clear days.....	8	8	8	9	11	10	13	13	12	12	8	7	119
Hourly wind velocity, miles.....	16.0	16.0	17.0	17.0	16.0	12.0	12.0	12.0	14.0	15.0	16.0	16.0	15.0
<b>INDIANA, INDIANAPOLIS</b>													
Temperature													
Monthly, mean.....	28.4	31.1	40.0	52.1	62.9	71.6	75.7	73.7	66.9	56.7	42.3	32.2	52.7
Daily mean maximum.....	35.7	39.0	48.4	61.2	72.4	81.1	85.4	83.3	76.5	64.9	50.0	39.0	61.4
Daily mean minimum.....	21.0	23.2	31.7	42.9	53.5	62.0	66.1	64.1	57.3	46.5	34.6	25.4	44.1
Highest on record.....	70	72	84	87	96	100	106	108	98	89	76	68	108
Lowest on record.....	-26	-18	0	19	33	39	48	44	30	22	-5	-15	-26
Precipitation													
Total, inches.....	2.51	3.09	4.01	3.47	3.94	4.31	4.13	3.33	2.05	2.79	3.52	3.04	41.48
Days with 0.01 inch or more.....	13	11	13	12	13	11	10	9	9	9	10	12	132
Total snowfall, inches.....	6.8	5.3	3.8	0.9	0.1	0	0	0	0	( <sup>1</sup> )	1.2	5.1	23.2
Percentage of possible sunshine.....	42	47	48	53	60	66	70	66	67	61	52	40	56
Number of clear days.....	6	7	6	7	9	8	10	11	12	12	8	6	102
Hourly wind velocity, miles.....	12.0	12.1	12.5	12.1	10.5	9.1	8.4	7.9	8.8	9.8	11.3	11.5	10.6
<b>IOWA, DES MOINES</b>													
Temperature													
Monthly, mean.....	20.1	23.7	35.9	50.1	61.3	70.6	75.4	73.1	65.5	53.4	38.4	26.0	49.5
Daily mean maximum.....	29.0	32.8	45.2	60.2	71.4	80.4	85.7	83.6	76.0	63.7	47.3	34.1	60.1
Daily mean minimum.....	11.3	14.6	26.6	40.1	51.3	60.8	65.1	62.7	55.1	43.1	29.5	17.8	39.8
Highest on record.....	64	75	88	92	96	102	109	110	99	91	77	69	110
Lowest on record.....	-30	-26	-10	11	26	37	48	40	26	14	-10	-20	-30
Precipitation													
Total, inches.....	1.21	1.08	1.65	2.96	4.56	4.96	3.86	3.61	3.07	2.68	1.48	1.31	32.45
Days with 0.01 inch or more.....	8	8	9	11	12	11	9	9	9	8	7	8	109
Total snowfall, inches.....	8.8	7.2	5.4	1.2	0.5	0	0	0	0	0.2	2.3	7.9	33.5
Percentage of possible sunshine.....	53	56	56	66	61	66	73	71	63	63	54	50	60
Number of clear days.....	10	9	9	9	8	8	13	13	12	12	11	9	124
Hourly wind velocity, miles.....	7.9	8.4	9.0	9.5	8.4	7.1	6.3	6.0	6.9	7.4	7.7	7.6	7.7

<sup>1</sup> Trace

## No. 146.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>KANSAS, DODGE CITY</b>													
Temperature													
Monthly mean	29.0	33.2	42.8	53.6	63.5	72.5	78.4	77.7	69.4	56.1	42.6	32.6	54.3
Daily mean maximum	43.7	45.7	56.0	66.8	75.8	84.4	91.1	91.0	82.6	69.3	55.6	44.6	67.0
Daily mean minimum	17.3	20.7	29.6	40.5	51.2	60.7	65.8	64.4	56.3	43.0	29.5	20.6	41.6
Highest on record	76	84	98	95	101	107	109	105	101	94	85	79	108
Lowest on record	-20	-25	-10	13	19	36	46	43	30	10	-13	-15	-36
Precipitation													
Total, inches	0.47	0.71	0.88	1.87	3.34	3.33	3.38	2.59	1.77	1.40	0.55	0.56	20.84
Days with 0.01 inch or more	4	5	5	7	10	9	9	7	5	5	4	4	74
Total snowfall, inches	3.7	5.7	3.6	1.0	(1)	0	0	0	0	0.3	1.2	3.3	19.0
Percentage of possible sunshine	63	66	66	66	65	71	74	77	73	75	71	67	70
Number of clear days	14	13	13	13	11	14	15	16	16	18	16	15	174
Hourly wind velocity, miles	10.1	10.8	12.6	13.6	12.9	12.2	10.9	10.4	11.2	11.1	10.1	10.2	11.3
<b>KENTUCKY, LOUISVILLE</b>													
Temperature													
Monthly mean	34.4	37.2	45.4	55.4	66.6	74.7	78.6	77.0	70.5	59.3	46.7	37.6	57.0
Daily mean maximum	42.0	45.4	54.2	65.9	75.4	84.3	88.2	88.7	80.4	69.2	55.1	44.8	66.0
Daily mean minimum	26.8	28.9	36.6	45.8	56.9	65.1	68.9	67.4	60.5	49.4	38.3	30.4	48.0
Highest on record	74	78	88	91	98	101	107	105	102	91	79	74	107
Lowest on record	-20	-14	3	21	33	43	54	47	36	26	4	-7	-20
Precipitation													
Total, inches	3.90	3.75	4.32	4.07	3.64	4.13	3.74	3.51	2.62	2.63	4.18	3.73	44.33
Days with 0.01 inch or more	12	11	12	12	11	11	10	9	8	8	9	11	134
Total snowfall, inches	4.8	4.3	2.3	0.3	(1)	0	0	0	0	(1)	0.3	3.2	15.2
Percentage of possible sunshine	42	40	52	56	62	68	70	69	63	65	54	40	56
Number of clear days	7	7	8	9	10	9	12	12	13	14	10	7	113
Hourly wind velocity, miles	9.5	10.3	10.5	9.6	7.9	7.4	6.7	6.4	6.8	7.5	8.8	9.2	8.4
<b>LOUISIANA, NEW ORLEANS</b>													
Temperature													
Monthly mean	54.2	57.3	62.8	68.6	75.4	80.6	82.4	83.3	79.2	71.0	61.6	56.6	69.3
Daily mean maximum	61.8	65.1	70.6	76.5	83.0	87.8	89.3	89.0	86.0	78.1	69.1	63.2	78.6
Daily mean minimum	46.6	49.5	56.0	61.1	67.8	73.4	75.4	75.4	72.5	64.0	54.0	48.1	61.0
Highest on record	82	83	86	90	96	102	102	100	96	94	89	83	102
Lowest on record	15	7	30	38	52	58	66	63	54	40	29	19	7
Precipitation													
Total, inches	4.63	4.47	3.30	4.91	3.85	6.16	6.47	5.61	4.81	2.93	3.79	4.46	57.42
Days with 0.01 inch or more	10	9	9	7	9	13	15	14	10	7	7	10	120
Total snowfall, inches	0.1	0.2	(1)	0	0	0	0	0	0	0	0	(1)	0.3
Percentage of possible sunshine	46	50	57	60	66	69	64	64	61	64	56	46	56
Number of clear days	10	9	11	11	12	9	7	8	11	16	13	10	127
Hourly wind velocity, miles	8.6	9.1	9.1	8.8	7.4	6.5	6.0	5.9	7.2	7.6	6.1	6.5	7.7
<b>MAINE, PORTLAND</b>													
Temperature													
Monthly mean	22.4	23.8	31.9	43.0	53.3	62.5	68.1	66.4	59.6	49.9	38.0	27.6	46.5
Daily mean maximum	30.1	31.2	39.3	51.2	62.5	72.2	78.1	75.5	68.9	58.2	45.9	34.8	54.0
Daily mean minimum	14.7	15.5	25.0	36.0	46.4	55.2	61.5	60.0	53.1	43.2	32.2	20.9	38.6
Highest on record	65	58	78	81	94	96	103	95	94	84	72	65	108
Lowest on record	-18	-17	-7	12	27	38	48	45	32	22	-6	-21	-21
Precipitation													
Total, inches	3.81	3.65	3.75	3.11	3.67	3.36	3.25	3.57	3.20	3.66	3.80	3.68	42.51
Days with 0.01 inch or more	12	11	13	11	12	11	12	11	10	10	11	11	125
Total snowfall, inches	13.2	20.9	13.1	4.8	(1)	0	0	0	(1)	(1)	5.1	12.4	74.5
Percentage of possible sunshine	54	60	59	56	58	61	64	63	62	56	47	50	58
Number of clear days	10	10	10	9	9	9	10	11	12	11	9	10	120
Hourly wind velocity, miles	8.6	9.1	9.6	9.2	8.6	7.6	7.5	6.9	7.5	8.2	8.6	8.7	8.4
<b>MARYLAND, BALTIMORE</b>													
Temperature													
Monthly mean	33.8	38.4	42.3	53.6	64.4	72.7	77.3	75.5	68.5	58.2	46.3	37.2	55.4
Daily mean maximum	40.9	42.0	50.3	61.9	73.2	81.3	85.8	83.3	76.9	66.1	53.5	43.5	62.2
Daily mean minimum	27.3	27.7	34.5	44.6	55.4	64.0	69.1	67.2	60.5	49.4	38.8	30.3	47.4
Highest on record	74	78	88	94	96	100	104	105	101	92	79	73	105
Lowest on record	-6	-7	5	23	34	46	55	51	39	30	15	-3	-7
Precipitation													
Total, inches	3.22	3.51	3.88	3.27	3.56	3.84	4.82	4.21	3.85	3.02	2.92	3.08	43.18
Days with 0.01 inch or more	12	11	12	11	11	11	12	11	8	9	9	11	128
Total snowfall, inches	6.6	6.6	4.9	0.7	(1)	0	0	0	0	(1)	0.7	4.3	23.6
Percentage of possible sunshine	47	57	58	59	59	62	64	62	65	62	54	48	58
Number of clear days	9	9	9	9	10	9	10	10	12	13	10	10	120
Hourly wind velocity, miles	6.3	7.1	7.5	7.4	6.6	6.2	5.9	5.5	6.6	6.0	6.2	6.3	6.4

1 True.

## No. 146.—CLIMATIC CONDITIONS, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>MASSACHUSETTS, BOSTON</b>													
Temperature													
Monthly mean	27.9	28.8	35.6	46.4	57.1	66.5	71.7	69.9	62.2	53.8	42.0	32.5	49.6
Daily mean maximum	35.9	36.7	43.3	54.5	65.7	75.7	80.0	77.8	71.2	61.5	49.3	39.9	57.0
Daily mean minimum	20.0	20.8	27.9	38.3	48.5	57.8	63.4	62.0	55.3	45.7	34.7	25.1	41.6
Highest on record	70	64	83	87	97	98	104	98	102	90	76	69	104
Lowest on record	-13	-11	-8	11	31	42	46	47	34	25	-2	-14	-14
Precipitation													
Total, inches	3.82	3.44	4.08	3.55	3.51	3.03	3.36	4.08	3.19	3.89	4.10	3.41	42.38
Days with 0.01 inch or more	12	10	12	11	11	10	10	10	9	9	10	11	128
Total snowfall, inches	11.2	12.5	7.9	2.5	( <sup>1</sup> )	0	0	0	0	( <sup>1</sup> )	1.7	8.4	44.2
Percentage of possible sunshine	49	58	57	55	59	63	64	63	62	56	48	48	57
Number of clear days	9	10	10	9	9	9	9	11	11	11	10	9	117
Hourly wind velocity, miles	11.6	12.3	12.4	11.2	10.1	9.3	8.9	8.4	8.2	10.2	11.2	11.4	10.5
<b>MICHIGAN, DETROIT</b>													
Temperature													
Monthly mean	34.4	25.3	32.4	46.2	58.0	67.4	72.1	70.3	63.5	52.5	39.3	29.3	48.5
Daily mean maximum	39.7	32.1	40.8	54.8	67.1	76.4	81.1	79.1	71.9	60.2	45.5	34.9	56.2
Daily mean minimum	18.2	18.5	25.9	37.5	48.9	58.4	63.1	61.6	55.1	44.8	33.0	23.6	40.7
Highest on record	68	64	81	87	95	96	101	104	97	88	71	65	104
Lowest on record	-16	-20	7	8	28	39	48	45	30	23	0	-24	-24
Precipitation													
Total, inches	1.98	2.19	2.37	2.33	3.27	3.89	3.48	3.77	2.48	2.38	2.68	2.39	32.16
Days with 0.01 inch or more	18	12	13	11	18	11	10	9	9	10	12	14	137
Total snowfall, inches	10.8	10.0	7.8	1.9	0.1	0	0	0	0	( <sup>1</sup> )	2.5	9.3	42.4
Percentage of possible sunshine	36	41	48	50	57	64	68	65	63	54	37	30	51
Number of clear days	5	6	7	8	9	10	12	12	12	10	6	4	101
Hourly wind velocity, miles	12.5	12.6	12.4	12.0	10.7	9.5	9.2	8.8	9.7	10.8	12.3	12.7	11.1
<b>MINNESOTA, ST. PAUL</b>													
Temperature													
Monthly mean	12.6	15.8	29.1	45.5	57.9	67.1	72.1	69.4	63.2	48.5	32.5	19.0	44.2
Daily mean maximum	21.4	24.8	37.8	55.1	67.7	76.6	81.8	79.4	70.9	57.5	40.1	26.6	53.3
Daily mean minimum	3.8	6.9	20.4	35.9	48.1	57.7	68.6	59.5	51.6	39.7	25.0	11.5	35.2
Highest on record	51	61	83	87	94	98	104	100	99	87	74	58	104
Lowest on record	-41	-33	22	7	23	36	45	40	28	12	-24	-39	-41
Precipitation													
Total, inches	0.90	0.84	1.60	2.33	3.03	4.41	3.40	3.46	3.42	2.34	1.39	1.06	28.68
Days with 0.01 inch or more	9	8	9	10	12	12	10	10	10	9	8	9	116
Total snowfall, inches	9.0	7.1	3.2	3.5	0.2	0	0	0	( <sup>1</sup> )	0.5	4.9	5.6	40.0
Percentage of possible sunshine	49	56	55	58	57	62	70	66	60	53	44	41	56
Number of clear days	9	9	9	9	9	9	12	12	12	11	7	8	116
Hourly wind velocity, miles	12.0	12.0	13.0	13.0	12.0	10.0	10.0	9.0	10.0	12.0	12.0	12.0	11.0
<b>MISSISSIPPI, VICKSBURG</b>													
Temperature													
Monthly mean	48.2	51.8	58.5	65.6	72.9	77.8	81.3	80.8	76.3	66.7	55.8	50.0	66.6
Daily mean maximum	56.4	60.0	67.7	74.8	82.2	88.0	90.2	89.8	85.6	76.5	66.0	58.5	74.7
Daily mean minimum	39.9	43.0	49.3	56.3	63.6	69.9	72.5	71.9	66.9	56.9	47.1	41.6	58.6
Highest on record	82	84	88	92	97	101	100	100	98	94	86	79	101
Lowest on record	3	1	24	31	43	52	62	54	42	31	22	10	-1
Precipitation													
Total, inches	5.67	4.81	6.25	5.16	4.26	4.49	4.42	3.53	3.34	2.80	4.19	5.02	53.74
Days with 0.01 inch or more	11	10	10	9	8	10	11	10	7	6	8	10	110
Total snowfall, inches	0.9	0.5	( <sup>1</sup> )	0	0	0	0	0	0	0	( <sup>1</sup> )	0.1	1.5
Percentage of possible sunshine	46	52	59	65	72	72	69	69	74	71	63	46	63
Number of clear days	8	9	11	11	16	11	10	11	15	17	13	10	142
Hourly wind velocity, miles	7.6	8.0	8.1	7.5	6.1	5.3	5.2	4.9	5.3	5.7	6.6	7.3	6.5
<b>MISSOURI, ST. LOUIS</b>													
Temperature													
Monthly mean	30.8	34.5	43.6	55.8	66.9	74.8	78.6	77.3	70.1	58.4	45.1	34.8	56.9
Daily mean maximum	38.7	43.0	52.9	65.1	75.8	83.6	87.5	86.4	79.6	67.5	53.6	42.6	64.7
Daily mean minimum	23.4	26.0	35.3	47.5	58.2	66.4	70.2	68.5	61.5	50.1	37.3	27.3	47.7
Highest on record	74	84	90	91	94	102	107	106	102	91	82	74	107
Lowest on record	-22	-18	3	22	32	44	55	52	37	24	5	-15	-22
Precipitation													
Total, inches	2.27	2.75	3.43	3.52	4.24	4.47	3.43	2.66	2.91	2.41	2.88	2.23	37.30
Days with 0.01 inch or more	9	9	13	10	12	11	9	8	8	8	8	9	114
Total snowfall, inches	5.2	5.0	4.0	0.7	( <sup>1</sup> )	0	0	0	( <sup>1</sup> )	0.2	0.3	3.5	20.1
Percentage of possible sunshine	49	51	55	58	64	69	71	68	68	55	56	46	60
Number of clear days	11	9	10	10	11	10	13	14	15	15	11	9	125
Hourly wind velocity, miles	12.0	12.1	12.6	12.8	10.9	9.5	8.6	8.2	9.2	10.4	11.6	11.7	10.8

<sup>1</sup> Trace.

## No. 146.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>MONTANA, HELENA</b>													
Temperature:													
Monthly mean.....	20.2	23.0	32.4	43.5	51.6	59.2	65.7	65.0	56.6	44.9	32.2	24.2	43.3
Daily mean maximum.....	28.3	31.6	41.5	53.6	62.2	70.0	77.3	77.4	68.3	54.8	41.3	31.8	53.2
Daily mean minimum.....	12.1	14.4	23.2	33.4	41.0	48.4	54.1	52.7	44.8	34.9	25.0	16.7	33.4
Highest on record.....	63	65	73	86	95	102	108	98	92	84	71	64	103
Lowest on record.....	-42	-41	-20	6	23	31	36	29	20	-1	-22	-40	-42
Precipitation:													
Total, inches.....	0.93	0.74	0.74	1.14	1.96	2.11	1.07	0.69	1.06	0.82	0.72	0.90	12.77
Days with 0.01 inch or more.....	9	8	8	9	12	12	8	6	7	6	6	8	99
Total snowfall, inches.....	10.9	8.7	9.2	5.9	2.2	( <sup>1</sup> )	0	( <sup>1</sup> )	0.6	4.2	6.8	8.5	57.0
Percentage of possible sunshine.....	48	54	59	59	55	63	75	73	61	58	48	43	68
Number of clear days.....	7	7	8	7	7	9	15	16	12	10	8	7	112
Hourly wind velocity, miles.....	6.5	6.7	7.6	8.1	8.0	7.7	7.3	6.9	7.1	7.0	6.6	6.4	7.2
<b>NEBRASKA, OMAHA</b>													
Temperature:													
Monthly mean.....	21.9	25.5	37.0	51.2	62.4	71.6	76.7	74.4	65.8	54.3	38.5	26.4	50.6
Daily mean maximum.....	30.4	34.5	46.5	61.1	72.0	81.1	86.3	83.8	75.7	64.2	46.7	34.0	69.8
Daily mean minimum.....	13.3	16.5	27.6	41.2	52.8	62.2	67.1	64.9	55.8	44.4	30.3	18.9	41.8
Highest on record.....	63	68	91	94	99	105	107	110	102	92	80	71	110
Lowest on record.....	-32	-26	-8	6	25	42	50	44	30	15	-14	-20	-32
Precipitation:													
Total, inches.....	0.55	0.76	1.39	3.01	4.50	5.05	4.23	3.62	3.03	2.35	1.06	0.91	30.66
Days with 0.01 inch or more.....	6	7	7	10	12	11	9	9	8	7	5	7	98
Total snowfall, inches.....	6.2	5.2	0.7	( <sup>1</sup> )	0	0	0	0	0	0.4	2.0	5.3	19.9
Percentage of possible sunshine.....	55	57	57	59	62	68	75	69	65	63	55	52	61
Number of clear days.....	11	9	9	9	8	10	12	12	14	14	11	10	131
Hourly wind velocity, miles.....	9.1	9.6	10.0	10.3	9.1	7.5	6.4	6.7	7.5	8.4	10.8	8.7	8.7
<b>NEVADA, RENO</b>													
Temperature:													
Monthly mean.....	31.8	35.6	40.6	47.4	54.0	62.1	69.9	69.2	60.3	50.6	41.8	33.0	49.7
Daily mean maximum.....	42.0	47.0	52.9	61.2	66.6	75.9	80.5	85.9	75.6	65.6	54.8	43.7	63.3
Daily mean minimum.....	21.0	23.8	28.5	33.2	39.6	46.2	52.0	51.1	43.8	35.4	28.0	22.6	36.4
Highest on record.....	64	76	79	88	98	99	101	102	94	87	76	69	102
Lowest on record.....	-19	-12	-3	14	16	28	35	35	24	16	5	-7	-19
Precipitation:													
Total, inches.....	1.89	1.27	0.83	0.46	0.75	0.42	0.38	0.20	0.33	0.25	0.06	1.17	6.51
Days with 0.01 inch or more.....	7	6	6	3	5	2	2	2	3	3	4	7	50
Total snowfall, inches.....	10.6	7.1	6.3	0.9	0.8	0	0	0	( <sup>1</sup> )	0.3	1.3	5.8	33.1
Percentage of possible sunshine.....	36	62	70	76	77	84	90	90	85	78	67	56	74
Number of clear days.....	12	11	12	15	15	21	24	24	21	20	14	11	200
Hourly wind velocity, miles.....	5.4	6.1	7.1	8.1	7.8	7.4	6.9	6.3	6.0	5.3	5.3	4.9	6.4
<b>NEW HAMPSHIRE, CONCORD<sup>1</sup></b>													
Temperature:													
Monthly mean.....	21.6	22.8	30.8	43.4	54.3	62.9	68.5	66.8	59.3	49.7	37.7	26.8	45.4
Daily mean maximum.....	30.5	30.6	41.8	52.6	67.0	74.7	81.0	77.6	70.8	60.2	45.4	33.4	56.6
Daily mean minimum.....	12.4	10.8	23.0	32.8	43.8	51.6	58.6	55.4	47.9	38.5	28.2	17.0	35.0
Highest on record.....	72	68	82	92	98	100	102	99	96	92	80	65	102
Lowest on record.....	-35	-34	-16	7	22	32	38	35	25	17	-17	-24	-36
Precipitation:													
Total, inches.....	3.34	3.28	3.40	2.79	3.24	2.34	2.79	2.74	3.21	3.24	2.39	3.36	40.11
Days with 0.01 inch or more.....	11	9	10	11	11	10	10	11	9	10	10	9	121
Total snowfall, inches.....	13.5	17.0	8.2	4.7	0.2	0	0	0	( <sup>1</sup> )	0.1	5.5	11.6	60.8
Number of clear days.....	11	12	14	11	13	13	11	13	13	12	10	11	144
Hourly wind velocity, miles.....	5.6	6.2	6.3	6.4	5.7	4.9	4.6	4.2	4.2	5.0	5.6	5.5	5.3
<b>NEW JERSEY, ATLANTIC CITY</b>													
Temperature:													
Monthly mean.....	32.5	33.6	38.6	47.8	58.1	66.6	72.1	72.5	66.8	56.9	45.6	36.4	52.3
Daily mean maximum.....	39.9	39.6	45.6	54.5	64.4	73.1	78.5	78.0	73.1	63.6	52.4	43.1	58.6
Daily mean minimum.....	25.0	26.8	32.4	41.0	51.4	60.5	66.3	66.5	60.9	49.9	38.4	29.3	45.7
Highest on record.....	68	71	79	85	95	97	99	104	94	90	77	68	104
Lowest on record.....	-4	-7	8	19	33	45	52	48	37	29	10	-7	-7
Precipitation:													
Total, inches.....	3.40	3.27	3.73	2.99	3.00	2.03	3.78	4.30	3.05	3.30	3.23	3.74	40.82
Days with 0.01 inch or more.....	12	11	13	11	11	10	10	10	8	9	9	10	124
Total snowfall, inches.....	4.8	5.2	2.9	0.3	0	0	0	0	0	0	0.7	3.0	16.9
Percentage of possible sunshine.....	50	58	58	58	62	64	67	67	68	64	59	52	61
Number of clear days.....	9	9	9	9	10	10	10	11	12	13	11	10	123
Hourly wind velocity, miles.....	10.6	11.1	11.1	10.7	9.6	8.8	8.3	8.3	8.9	9.9	9.9	10.2	9.6

<sup>1</sup> Trace.<sup>2</sup> Data for percentage of possible sunshine not available.

## No. 146.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>NEW MEXICO, SANTA FE</b>													
Temperature													
Monthly mean	28.8	33.1	39.7	46.7	55.7	64.8	69.0	67.4	60.9	50.4	38.9	30.7	48.6
Daily mean maximum	32.9	43.5	51.1	58.6	68.2	77.5	80.9	78.7	72.7	62.2	49.8	41.0	60.3
Daily mean minimum	18.7	22.6	28.3	34.6	43.2	52.2	57.2	56.0	49.1	38.7	28.1	20.5	37.4
Highest on record	76	75	82	84	90	92	98	97	90	85	77	68	97
Lowest on record	-13	-11	-2	11	20	33	43	40	21	13	-11	-13	-13
Precipitation													
Total, inches	0.69	0.84	0.73	0.86	1.11	1.04	2.71	2.35	1.54	1.07	0.78	0.76	14.40
Days with 0.01 inch or more	8	7	8	5	7	8	14	13	8	5	5	6	99
Total snowfall, inches	5.4	6.6	4.6	3.8	0.8	0	0	0	(1)	0.8	3.4	8.0	30.4
Percentage of possible sunshine	72	72	72	74	75	79	87	70	77	79	77	74	74
Number of clear days	18	12	14	14	14	16	9	10	16	20	19	18	181
Hourly wind velocity, miles	7.4	7.5	8.4	8.7	8.5	7.4	6.6	6.1	6.8	6.7	6.9	7.0	7.3
<b>NEW YORK, BUFFALO</b>													
Temperature													
Monthly mean	24.6	24.3	31.1	42.8	54.6	64.4	69.8	68.6	62.4	51.9	39.4	29.8	47.0
Daily mean maximum	31.0	31.2	38.1	50.4	62.2	71.4	76.5	75.7	69.7	58.7	45.2	35.8	53.6
Daily mean minimum	18.1	17.4	24.0	35.2	46.9	57.4	63.1	61.6	55.1	45.1	33.5	24.1	40.1
Highest on record	70	67	79	84	94	94	95	95	85	86	71	66	95
Lowest on record	-14	-13	-4	11	28	39	47	44	35	24	2	-9	-14
Precipitation													
Total, inches	3.30	2.85	2.62	2.45	3.10	3.14	3.40	2.99	3.18	3.53	3.35	3.37	37.39
Days with 0.01 inch or more	19	17	17	13	14	11	11	10	11	13	15	16	167
Total snowfall, inches	20.1	17.8	10.0	3.5	0.2	0	0	0	0	0.4	5.8	16.6	74.4
Percentage of possible sunshine	26	40	49	52	57	64	66	63	60	47	30	23	49
Number of clear days	2	3	5	7	8	8	9	9	9	8	3	1	70
Hourly wind velocity, miles	15.1	15.6	14.4	12.9	11.1	10.5	10.3	9.9	11.1	12.9	15.6	16.5	13.0
<b>NEW YORK, NEW YORK</b>													
Temperature													
Monthly mean	30.9	31.3	37.7	49.4	60.6	68.8	73.8	73.1	66.8	56.3	44.2	35.0	52.3
Daily mean maximum	37.4	38.4	45.4	57.2	68.6	77.0	81.7	80.1	73.7	63.7	51.0	43.2	59.6
Daily mean minimum	24.5	24.2	30.2	41.6	52.6	60.6	65.9	66.2	59.8	49.0	37.3	28.8	45.0
Highest on record	67	69	80	91	96	97	99	102	100	88	74	68	102
Lowest on record	-6	-7	3	20	34	45	50	51	36	29	7	-13	-13
Precipitation													
Total, inches	3.79	3.74	4.10	3.30	3.18	3.26	4.54	4.53	3.59	3.71	3.44	3.45	44.63
Days with 0.01 inch or more	12	10	12	11	11	10	12	10	9	9	9	10	125
Total snowfall, inches	8.1	10.1	7.7	1.3	(1)	0	0	0	0	(1)	1.0	6.7	34.9
Percentage of possible sunshine	50	60	58	59	60	63	63	63	63	60	56	51	59
Number of clear days	8	8	9	9	9	8	8	9	11	11	9	8	107
Hourly wind velocity, miles	20.0	20.0	21.0	18.0	16.0	14.0	14.0	13.0	14.0	16.0	19.0	19.0	17.0
<b>NORTH CAROLINA, ASHEVILLE</b>													
Temperature													
Monthly mean	38.4	38.5	47.6	54.2	62.5	69.2	72.0	71.3	64.4	56.0	45.9	38.9	56.1
Daily mean maximum	47.8	48.1	57.8	65.0	73.2	79.5	81.7	80.8	76.7	67.3	56.7	48.0	65.2
Daily mean minimum	29.1	28.9	37.3	43.4	51.8	59.0	62.3	61.8	55.1	44.6	35.4	29.9	45.0
Highest on record	75	77	86	89	91	92	94	95	89	85	76	71	96
Lowest on record	-2	-6	8	23	31	40	48	47	35	20	9	-4	-6
Precipitation													
Total, inches	4.67	4.65	5.08	4.04	3.78	4.35	4.86	4.79	3.04	2.94	3.30	4.06	49.56
Days with 0.01 inch or more	10	10	12	11	12	14	15	15	9	7	7	10	132
Total snowfall, inches	4.0	2.9	1.3	0.2	0	0	0	0	0	0.1	0.6	1.9	11.0
Percentage of possible sunshine	49	52	55	60	62	59	58	56	62	64	64	48	57
Number of clear days	10	10	11	11	10	7	7	7	10	15	15	11	124
Hourly wind velocity, miles	9.6	10.2	10.1	9.6	7.2	5.8	5.3	5.3	5.8	7.0	8.4	9.2	7.8
<b>NORTH DAKOTA, BISMARCK</b>													
Temperature													
Monthly mean	7.8	10.3	24.2	42.1	54.5	63.7	69.8	67.3	58.1	44.9	31.7	14.7	40.5
Daily mean maximum	18.1	20.7	34.8	53.7	66.2	75.2	82.1	80.3	71.1	57.1	39.1	24.5	51.9
Daily mean minimum	-2.6	0.0	13.7	30.6	42.7	52.2	57.5	54.3	45.2	32.7	17.9	-4.8	29.1
Highest on record	60	64	81	90	96	107	108	105	102	91	73	64	108
Lowest on record	-45	-43	-36	3	13	31	32	32	10	-10	-28	-42	-45
Precipitation													
Total, inches	0.64	0.50	1.04	1.86	2.50	3.54	2.14	1.98	1.19	1.03	0.68	0.62	17.64
Days with 0.01 inch or more	7	7	8	8	11	12	10	8	6	6	6	7	94
Total snowfall, inches	5.8	5.1	8.3	2.6	0.8	0	0	0	0.1	1.0	5.2	8.3	35.2
Percentage of possible sunshine	53	58	56	58	58	62	71	69	62	60	52	49	59
Number of clear days	12	11	12	12	12	12	17	13	15	14	11	11	157
Hourly wind velocity, miles	8.9	9.3	10.4	11.8	11.1	10.2	8.9	8.8	8.6	9.2	10.3	11.6	9.7

1 Trace.

## No. 143.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>OHIO, COLUMBUS</b>													
Temperature													
Monthly mean	38.6	30.7	30.1	51.2	62.3	70.9	74.9	72.0	66.5	55.2	41.0	32.4	52.2
Daily mean maximum	45.9	33.4	47.6	60.7	72.2	80.9	84.9	82.0	76.7	64.8	49.7	39.2	61.2
Daily mean minimum	31.4	28.0	20.7	41.6	52.3	60.9	64.9	62.0	56.3	45.6	34.2	25.7	43.3
Highest on record	72	72	84	90	96	99	104	108	98	90	77	67	104
Lowest on record	-20	-20	0	15	31	39	50	42	32	20	-5	-12	-20
Precipitation													
Total, inches	2.85	3.07	3.21	2.87	3.72	3.49	3.55	3.22	2.52	2.35	3.11	2.76	26.92
Days with 0.01 inch or more	14	19	14	13	12	12	11	10	9	9	11	14	141
Total snowfall, inches	2.4	6.0	2.6	1.3	( <sup>1</sup> )	0	0	0	0	( <sup>1</sup> )	1.6	4.5	26.4
Percentage of possible sunshine	29	44	48	57	62	87	70	68	65	59	45	34	55
Number of clear days	6	6	7	9	10	10	12	12	13	12	8	5	110
Hourly wind velocity, miles	12.7	12.2	12.1	12.7	10.8	9.6	8.8	8.6	9.1	10.5	11.9	12.4	11.1
<b>OKLAHOMA, OKLAHOMA CITY</b>													
Temperature													
Monthly mean	36.4	39.6	50.0	59.8	67.7	76.0	80.6	79.7	72.8	61.5	48.8	39.3	59.4
Daily mean maximum	45.4	59.6	61.5	70.8	77.6	85.9	90.9	90.4	83.8	72.6	59.4	48.9	68.9
Daily mean minimum	26.4	28.8	38.4	48.9	57.7	66.1	70.3	69.0	61.8	50.4	38.1	29.6	49.8
Highest on record	83	90	97	95	96	106	106	108	102	97	86	79	108
Lowest on record	-11	-17	4	22	32	46	55	49	35	16	9	-2	-17
Precipitation													
Total, inches	1.34	0.98	2.38	2.80	5.75	3.07	3.65	3.17	2.75	1.81	2.25	1.74	31.09
Days with 0.01 inch or more	6	5	7	8	11	8	7	7	6	6	5	6	82
Total snowfall, inches	2.8	2.2	0.6	( <sup>1</sup> )	0	0	0	0	0	( <sup>1</sup> )	0.2	2.0	8.1
Percentage of possible sunshine	55	60	60	62	63	71	76	77	73	67	64	59	66
Number of clear days	12	12	18	12	11	14	16	17	17	18	16	14	173
Hourly wind velocity, miles	12.9	12.6	14.9	14.8	13.1	11.6	10.2	9.7	10.9	11.6	12.8	12.3	12.2
<b>OREGON, PORTLAND</b>													
Temperature													
Monthly mean	39.4	42.1	46.9	51.8	58.9	62.4	66.7	66.7	61.7	54.2	46.6	41.2	53.1
Daily mean maximum	44.8	48.1	54.3	60.7	66.3	72.2	77.4	77.6	71.4	62.0	52.7	46.0	61.1
Daily mean minimum	34.3	36.1	39.5	43.0	47.4	52.6	55.9	55.8	52.0	46.4	41.0	36.4	45.0
Highest on record	62	68	79	90	99	99	102	98	93	85	73	65	109
Lowest on record	-2	7	20	28	32	39	43	43	35	30	11	3	-2
Precipitation													
Total, inches	6.59	5.42	4.66	3.02	2.28	1.64	0.62	0.63	1.84	3.28	6.41	6.90	43.24
Days with 0.01 inch or more	20	17	17	15	12	10	4	4	8	12	17	19	186
Total snowfall, inches	5.8	2.9	0.8	( <sup>1</sup> )	0	0	0	0	0	0	0.6	4.1	15.2
Percentage of possible sunshine	28	32	39	47	50	56	70	66	52	43	26	23	44
Number of clear days	4	4	6	6	9	9	16	16	11	8	4	3	96
Hourly wind velocity, miles	6.5	6.7	8.5	6.2	6.1	5.9	5.9	5.5	6.4	5.2	6.2	6.5	5.0
<b>PENNSYLVANIA, PITTSBURGH</b>													
Temperature													
Monthly mean	30.7	32.3	39.6	51.2	62.4	70.7	74.6	72.9	66.4	56.7	43.2	34.2	52.8
Daily mean maximum	38.3	40.4	48.3	60.9	72.4	80.5	84.2	82.6	76.2	64.9	50.7	41.0	61.7
Daily mean minimum	23.0	24.2	31.1	41.6	52.2	61.0	65.0	63.2	56.5	46.4	35.7	27.3	43.9
Highest on record	75	77	85	90	95	98	103	103	102	91	79	73	108
Lowest on record	-12	-20	1	14	27	39	49	45	35	20	4	-9	-20
Precipitation													
Total, inches	2.87	2.66	3.01	2.90	3.30	3.89	4.42	3.18	2.48	2.36	2.55	2.73	36.35
Days with 0.01 inch or more	16	14	15	13	13	12	12	10	9	10	12	15	151
Total snowfall, inches	9.2	7.3	5.8	2.2	( <sup>1</sup> )	0	0	0	( <sup>1</sup> )	0.1	2.0	7.1	33.7
Percentage of possible sunshine	31	26	45	47	56	61	63	61	63	56	40	29	49
Number of clear days	4	5	6	8	9	8	9	10	11	10	6	4	90
Hourly wind velocity, miles	12.2	12.6	12.7	12.0	10.2	9.4	8.7	8.6	8.7	9.9	11.9	12.0	10.7
<b>RHODE ISLAND, PROVIDENCE</b>													
Temperature													
Monthly mean	27.2	29.0	36.7	46.6	56.5	68.2	73.4	71.0	63.3	52.2	40.4	31.6	49.3
Daily mean maximum	36.9	38.1	44.6	55.2	66.2	75.0	80.9	78.4	71.8	62.6	49.6	39.1	58.0
Daily mean minimum	21.2	28.6	28.0	37.5	47.6	56.9	63.0	60.9	53.9	44.9	34.3	24.8	40.9
Highest on record	64	62	84	86	92	94	100	97	92	87	75	68	100
Lowest on record	-9	-10	5	20	32	42	51	46	33	27	12	-12	-12
Precipitation													
Total, inches	4.38	4.42	4.62	3.76	3.46	3.14	3.52	4.06	3.17	3.64	3.90	2.88	46.14
Days with 0.01 inch or more	13	11	12	12	12	10	10	9	9	9	10	10	127
Total snowfall, inches	8.3	10.3	0.0	2.0	( <sup>1</sup> )	0	0	0	0	0	0.7	5.6	32.9
Percentage of possible sunshine	47	56	59	56	59	62	62	61	60	59	52	49	57
Number of clear days	10	10	12	9	10	9	10	10	12	13	10	10	125
Hourly wind velocity, miles	14.2	15.0	15.3	13.7	12.6	11.2	10.1	9.9	10.6	11.6	13.5	13.9	12.6

<sup>1</sup> Trace.

## No. 143.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>SOUTH CAROLINA, CHARLESTON</b>													
Temperature:													
Monthly mean.....	49.9	52.4	57.4	64.5	72.7	78.9	81.4	81.0	79.6	67.8	58.1	51.7	66.0
Daily mean maximum.....	57.2	59.9	65.2	71.9	79.6	85.5	87.8	87.1	82.9	74.7	65.7	59.3	72.1
Daily mean minimum.....	42.6	44.8	49.6	57.2	65.9	72.2	75.0	74.9	76.4	61.9	50.6	44.0	60.0
Highest on record.....	80	80	94	92	98	101	104	100	100	95	83	79	104
Lowest on record.....	10	7	24	32	45	49	64	62	49	37	26	12	7
Precipitation													
Total, inches.....	3.45	3.41	3.72	2.99	3.47	5.39	7.29	5.97	5.46	3.93	2.87	3.15	32.07
Days with 0.01 inch or more.....	10	10	9	8	9	11	12	13	10	7	7	9	116
Total snowfall, inches.....	0.1	0.3	0	0	0	0	0	0	0	0	0	0.1	0.5
Percentage of possible sunshine.....	58	58	65	71	71	69	63	63	65	66	60	55	65
Number of clear days.....	10	10	12	12	12	8	8	8	11	14	13	12	131
Hourly wind velocity, miles.....	10.7	11.4	10.9	11.5	10.9	10.4	9.9	11.2	10.6	11.1	10.0	10.3	10.7
<b>SOUTH DAKOTA, HURON</b>													
Temperature													
Monthly mean.....	11.3	14.3	26.9	45.1	56.4	66.2	71.8	69.4	61.8	47.7	31.5	18.7	42.6
Daily mean maximum.....	22.2	24.9	39.6	57.0	66.5	78.0	84.1	82.3	74.7	60.7	42.6	28.9	55.3
Daily mean minimum.....	0.5	3.7	13.1	33.2	44.2	54.3	59.6	56.6	47.9	34.7	20.4	8.4	31.9
Highest on record.....	64	68	85	94	96	100	108	108	106	94	77	65	108
Lowest on record.....	-43	-37	-25	7	20	31	31	33	18	2	-23	-34	-43
Precipitation													
Total, inches.....	0.51	0.44	0.99	2.65	2.92	3.78	2.94	2.64	1.09	1.34	0.58	0.62	21.10
Days with 0.01 inch or more.....	7	7	8	9	11	11	10	9	7	6	5	7	97
Total snowfall, inches.....	5.8	5.1	3.6	1.2	0.2	0	0	0	( <sup>1</sup> )	0.5	3.3	5.1	25.8
Percentage of possible sunshine.....	57	65	61	62	64	69	74	71	64	61	55	50	63
Number of clear days.....	11	10	9	10	10	11	14	14	13	13	11	11	137
Hourly wind velocity, miles.....	11.2	11.4	12.2	12.5	12.3	11.1	10.0	9.9	11.3	11.3	10.9	10.4	11.3
<b>TENNESSEE, NASHVILLE</b>													
Temperature													
Monthly mean.....	38.5	41.6	49.2	59.0	68.2	75.6	79.1	77.8	71.8	61.0	49.0	41.0	59.3
Daily mean maximum.....	46.8	50.5	58.6	68.9	78.3	84.3	88.6	87.4	82.0	71.6	58.6	49.1	68.8
Daily mean minimum.....	30.4	32.6	39.9	49.0	58.1	66.0	69.7	68.2	61.7	50.4	39.5	33.0	49.9
Highest on record.....	78	79	89	90	96	100	102	104	99	92	81	75	104
Lowest on record.....	-19	-13	3	26	36	42	56	51	28	27	10	-2	-13
Precipitation													
Total, inches.....	4.85	4.32	5.44	4.36	3.50	4.37	4.35	3.47	3.63	2.48	3.35	3.32	48.49
Days with 0.01 inch or more.....	12	11	12	11	10	11	11	9	8	7	9	11	123
Total snowfall, inches.....	2.9	2.9	1.5	0.1	( <sup>1</sup> )	0	0	0	0	( <sup>1</sup> )	0.2	1.4	9.0
Percentage of possible sunshine.....	43	47	53	61	67	69	70	69	70	65	57	42	59
Number of clear days.....	7	7	9	9	10	9	10	12	13	15	11	8	120
Hourly wind velocity, miles.....	10.0	11.0	12.0	11.0	9.0	8.0	7.0	7.0	7.0	8.0	9.0	10.0	9.0
<b>TEXAS, FORT WORTH</b>													
Temperature													
Monthly mean.....	46.8	47.7	57.9	64.1	72.3	80.2	83.3	82.9	77.4	68.7	56.6	46.9	65.3
Daily mean maximum.....	57.2	58.5	69.0	74.7	81.9	90.1	93.3	93.7	87.7	77.5	66.9	56.6	75.6
Daily mean minimum.....	36.3	36.7	46.7	53.7	62.5	70.2	73.3	72.4	67.2	55.8	46.3	37.1	54.9
Highest on record.....	93	96	100	97	103	107	109	112	104	99	87	83	113
Lowest on record.....	1	-8	18	30	34	48	56	53	40	24	20	9	-8
Precipitation													
Total, inches.....	0.93	1.27	1.76	2.65	4.16	2.97	3.04	1.87	2.95	2.51	1.57	1.22	26.90
Days with 0.01 inch or more.....	6	6	7	8	9	6	6	6	5	6	6	6	76
Total snowfall, inches.....	1.0	0.5	0.2	0	0	0	0	0	0	0	0.1	0.5	2.3
Percentage of possible sunshine.....	55	63	67	69	72	73	86	79	83	68	69	61	70
Number of clear days.....	11	11	15	11	11	13	14	15	16	16	14	14	161
Hourly wind velocity, miles.....	11.1	11.7	12.6	12.4	11.4	10.7	10.3	9.1	9.2	9.7	10.1	10.4	10.7
<b>TEXAS, GALVESTON</b>													
Temperature													
Monthly mean.....	53.8	55.3	62.4	69.7	74.6	80.7	83.4	83.0	80.1	72.7	63.3	56.4	69.6
Daily mean maximum.....	59.2	61.6	67.4	73.3	79.2	86.2	88.0	87.7	84.8	77.7	68.6	61.8	74.5
Daily mean minimum.....	48.3	51.0	57.4	64.1	70.4	76.3	78.8	78.3	75.4	67.7	58.0	51.0	64.7
Highest on record.....	75	76	85	85	93	99	99	98	94	91	85	80	99
Lowest on record.....	11	8	30	41	52	57	66	67	54	41	26	18	8
Precipitation													
Total, inches.....	3.62	3.10	2.90	3.13	3.23	4.75	3.98	5.01	5.41	4.18	4.02	3.73	47.06
Days with 0.01 inch or more.....	10	9	8	7	6	7	9	9	8	7	8	10	99
Total snowfall, inches.....	0.1	0.3	0	0	0	0	0	0	0	0	0	( <sup>1</sup> )	0.4
Percentage of possible sunshine.....	52	53	57	62	70	76	74	70	69	77	69	63	66
Number of clear days.....	10	9	10	10	12	15	14	15	15	18	13	10	151
Hourly wind velocity, miles.....	11.6	11.9	11.7	12.1	11.3	10.1	9.9	8.5	9.8	10.2	10.9	11.4	10.7

<sup>1</sup> Trace.



## No. 146.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>TEXAS, SAN ANTONIO</b>													
Temperature:													
Monthly mean.....	52.3	55.4	62.8	69.1	75.1	81.0	83.8	83.5	79.0	70.5	60.3	53.8	68.9
Daily mean maximum.....	62.5	66.0	72.7	79.6	85.1	91.3	94.3	94.1	89.3	81.4	70.4	63.5	79.3
Daily mean minimum.....	42.1	44.9	51.9	58.6	65.2	70.8	73.3	72.8	68.7	59.6	50.2	44.0	58.5
Highest on record.....	87	91	97	100	101	105	106	107	103	97	89	86	107
Lowest on record.....	6	4	31	35	44	48	60	57	46	32	23	15	4
Precipitation:													
Total, inches.....	1.68	1.78	1.68	2.04	2.90	3.11	2.22	2.60	2.94	1.49	1.78	1.55	26.83
Days with 0.01 inch or more.....	8	7	7	7	8	7	6	6	7	5	7	7	82
Total snowfall, inches.....	(1)	0.1	0.1	0	0	0	0	0	0	0	(1)	0.2	0.4
Percentage of possible sunshine.....	51	53	57	57	62	71	73	75	71	67	52	52	62
Number of clear days.....	11	10	11	9	9	13	14	14	13	10	12	13	145
Hourly wind velocity, miles.....	7.8	8.4	9.0	8.8	8.2	7.6	7.2	6.3	6.7	6.2	7.3	7.3	7.6
<b>UTAH, SALT LAKE CITY</b>													
Temperature:													
Monthly mean.....	29.2	33.8	41.7	49.6	57.4	67.4	75.7	74.5	64.4	52.5	41.1	31.9	51.6
Daily mean maximum.....	36.4	41.5	50.5	59.5	68.2	79.2	88.0	86.5	76.0	62.9	49.6	39.1	61.4
Daily mean minimum.....	22.0	26.1	32.9	39.7	46.7	55.5	63.3	62.5	52.9	42.0	32.6	24.6	41.7
Highest on record.....	60	68	77	85	93	101	102	101	93	88	74	61	109
Lowest on record.....	-20	-13	0	18	25	32	43	44	29	22	-2	-10	-20
Precipitation:													
Total, inches.....	1.35	1.38	2.00	2.26	1.95	0.77	0.54	0.78	0.85	1.40	1.42	1.33	16.03
Days with 0.01 inch or more.....	10	10	10	9	8	5	4	5	5	7	7	10	90
Total snowfall, inches.....	11.2	10.7	10.0	3.3	0.4	0.1	0	0	(1)	1.1	5.6	10.7	53.1
Percentage of possible sunshine.....	45	48	54	63	66	77	78	76	76	68	58	44	63
Number of clear days.....	8	7	10	10	12	17	18	17	18	16	12	8	168
Hourly wind velocity, miles.....	6.5	6.6	7.7	8.3	8.5	8.8	7.8	7.3	7.0	6.8	6.0	5.7	7.2
<b>VERMONT, NORTHFIELD</b>													
Temperature:													
Monthly mean.....	15.2	16.4	26.4	40.3	52.6	61.3	65.9	63.4	55.1	45.5	32.8	20.4	41.4
Daily mean maximum.....	26.0	27.2	36.3	50.7	64.6	73.1	77.6	75.0	67.7	55.9	41.2	28.5	52.1
Daily mean minimum.....	4.4	5.5	16.5	30.0	41.1	49.4	54.2	51.7	44.3	35.0	24.5	11.3	30.7
Highest on record.....	61	59	75	85	93	96	98	95	92	85	70	61	98
Lowest on record.....	-33	-35	-22	-1	18	28	34	31	20	12	-14	-41	-41
Precipitation:													
Total, inches.....	2.49	2.26	2.79	2.09	2.80	3.23	3.70	3.93	2.76	2.48	2.00	2.71	33.84
Days with 0.01 inch or more.....	14	11	13	12	13	13	14	13	12	13	13	13	154
Total snowfall, inches.....	18.8	20.1	16.6	6.3	(1)	0	0	0	(1)	(1)	10.0	15.5	87.3
Percentage of possible sunshine.....	35	43	51	49	51	55	57	56	51	41	30	32	46
Number of clear days.....	5	6	7	7	7	6	5	7	8	6	4	4	72
Hourly wind velocity, miles.....	8.7	9.0	9.5	9.2	8.6	7.4	6.8	6.5	7.1	7.9	8.4	7.9	8.1
<b>VIRGINIA, LYNCHBURG</b>													
Temperature:													
Monthly mean.....	37.5	40.3	47.3	57.3	67.3	74.6	77.5	75.6	69.0	58.5	47.2	39.5	57.6
Daily mean maximum.....	46.4	49.6	57.3	68.5	78.4	84.9	87.4	85.1	79.0	69.4	57.2	48.3	67.6
Daily mean minimum.....	28.6	31.1	37.2	46.1	56.2	64.3	67.6	66.1	58.9	47.6	37.2	30.7	47.6
Highest on record.....	77	80	92	95	97	101	103	103	99	94	81	73	106
Lowest on record.....	-7	-3	14	25	34	43	50	47	35	27	13	-5	-7
Precipitation:													
Total, inches.....	3.72	2.49	3.81	3.17	3.99	3.89	4.03	4.25	3.63	3.38	2.79	3.27	43.42
Days with 0.01 inch or more.....	11	10	11	10	11	12	11	11	8	7	7	9	118
Total snowfall, inches.....	5.4	4.2	2.9	(1)	0	0	0	0	0	(1)	(1)	2.0	15.5
Percentage of possible sunshine.....	45	53	59	62	67	65	70	66	66	64	57	45	60
Number of clear days.....	10	10	11	11	11	9	10	10	13	16	13	11	135
Hourly wind velocity, miles.....	5.4	5.9	6.3	6.0	4.9	4.1	3.9	3.6	3.7	4.3	4.9	4.9	4.8
<b>WASHINGTON, SEATTLE</b>													
Temperature:													
Monthly mean.....	39.5	41.1	44.9	49.4	54.5	59.0	63.1	63.1	58.1	51.4	45.6	41.7	51.0
Daily mean maximum.....	43.9	46.3	51.3	57.0	62.2	67.0	72.2	72.0	65.4	57.2	50.3	45.9	57.8
Daily mean minimum.....	35.2	35.9	38.6	41.9	46.7	51.0	54.1	54.3	50.7	45.6	40.9	37.6	44.4
Highest on record.....	63	67	81	85	92	96	95	92	87	81	68	62	96
Lowest on record.....	3	4	20	30	36	41	46	46	36	29	15	12	3
Precipitation:													
Total, inches.....	4.84	3.77	2.88	2.38	1.97	1.49	0.67	0.51	1.77	2.67	5.83	5.29	34.07
Days with 0.01 inch or more.....	19	16	16	14	13	10	5	4	9	12	18	19	155
Total snowfall, inches.....	5.9	4.7	1.3	0.2	0	0	0	0	0	(1)	1.2	1.9	15.2
Percentage of possible sunshine.....	25	35	44	51	51	54	63	59	48	33	21	21	42
Number of clear days.....	3	4	5	6	6	8	13	13	8	5	2	3	70
Hourly wind velocity, miles.....	8.6	7.9	8.6	7.8	7.5	7.1	6.3	5.7	6.6	6.7	8.1	8.4	7.4

1 True.

## No. 146.—CLIMATIC CONDITIONS, ETC.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
<b>WEST VIRGINIA, PARKERSBURG</b>													
<b>Temperature:</b>													
Monthly mean.....	32.5	34.2	42.8	53.4	63.8	71.4	75.4	73.9	67.3	56.1	43.8	35.2	54.2
Daily mean maximum.....	40.3	42.7	52.1	63.7	74.3	81.7	85.5	84.0	77.8	66.7	52.4	42.8	63.7
Daily mean minimum.....	24.8	25.8	33.5	43.1	53.2	61.2	65.2	63.7	56.8	45.5	35.2	27.7	44.6
Highest on record.....	74	76	86	93	98	99	102	106	99	91	81	72	106
Lowest on record.....	-12	-27	4	20	31	41	48	45	33	20	15	-10	-27
<b>Precipitation</b>													
Total, inches.....	3.19	3.24	3.83	2.91	3.46	4.66	4.66	3.53	2.72	2.44	2.83	2.77	40.22
Days with 0.01 inch or more.....	15	13	15	13	12	13	12	10	9	9	10	13	144
Total snowfall, inches.....	7.4	7.2	4.6	1.1	(1)	0	0	0	0	(3)	1.3	4.6	26.2
<b>Percentage of possible sunshine</b>													
.....	30	37	42	48	55	58	62	57	50	52	37	27	47
Number of clear days.....	7	7	9	10	11	11	14	13	13	13	8	7	123
Hourly wind velocity, miles.....	6.6	7.3	7.2	6.7	5.2	4.5	4.4	4.2	4.2	4.9	5.9	6.1	5.5
<b>WISCONSIN, GREEN BAY</b>													
<b>Temperature</b>													
Monthly mean.....	15.7	17.4	28.6	43.2	54.9	64.9	70.0	67.7	60.4	48.5	34.0	22.3	44.0
Daily mean maximum.....	23.5	25.8	36.7	52.1	64.6	74.8	80.2	77.5	69.7	56.9	40.7	29.0	52.6
Daily mean minimum.....	7.8	9.1	20.4	34.3	45.3	55.1	59.7	57.9	51.0	40.1	27.2	15.5	35.3
Highest on record.....	51	59	82	85	91	100	101	98	95	84	69	52	101
Lowest on record.....	36	-33	23	11	22	34	43	38	25	8	-12	-21	-36
<b>Precipitation</b>													
Total, inches.....	1.69	1.60	2.40	2.44	3.57	3.59	3.51	3.10	3.12	2.37	1.90	1.81	31.13
Days with 0.01 inch or more.....	10	9	10	11	13	11	11	10	10	9	10	10	124
Total snowfall, inches.....	12.0	9.0	7.7	2.8	0.2	0	0	0	0	1.0	5.6	9.9	48.3
<b>Percentage of possible sunshine</b>													
.....	46	47	53	52	60	62	66	61	56	48	37	37	52
Number of clear days.....	7	7	7	7	7	6	8	8	8	7	5	6	83
Hourly wind velocity, miles.....	10.1	10.5	10.8	14.0	12.5	8.4	11	9.0	9.9	9.7	10.5	10.2	10.0
<b>WYOMING, LANDER</b>													
<b>Temperature</b>													
Monthly mean.....	18.3	22.5	32.4	42.4	51.2	60.5	67.4	65.5	55.7	43.5	30.3	20.4	42.5
Daily mean maximum.....	31.8	36.3	45.7	55.6	64.9	73.1	84.1	82.5	72.1	58.6	44.2	33.9	57.3
Daily mean minimum.....	4.7	8.7	19.2	29.3	37.6	44.8	50.6	48.4	39.3	28.5	16.5	7.0	27.9
Highest on record.....	64	64	71	82	88	96	99	96	90	83	72	62	99
Lowest on record.....	-36	-35	-24	-3	13	26	32	23	7	-14	-31	-36	-36
<b>Precipitation</b>													
Total, inches.....	0.43	0.65	1.60	2.45	2.90	1.11	0.86	0.54	1.09	1.06	0.60	0.70	12.92
Days with 0.01 inch or more.....	4	5	7	8	9	6	6	5	5	5	4	4	68
Total snowfall, inches.....	5.2	8.9	12.5	13.2	5.1	0.5	0	0	2.1	8.8	6.7	6.4	71.4
<b>Percentage of possible sunshine</b>													
.....	67	73	74	67	66	75	77	78	73	68	58	61	70
Number of clear days.....	12	10	9	9	8	12	13	13	15	14	11	12	135
Hourly wind velocity, miles.....	3.9	3.7	5.0	5.2	5.4	5.0	4.5	4.3	4.5	3.9	3.8	3.4	4.4

1 Trace.

Source: The Weather Bureau, Department of Agriculture.

8. ARMY, NAVY, CIVIL SERVICE, PENSIONS, VETERANS' BUREAU ACTIVITIES, ELECTIONS, ETC.

No. 147.—ARMY OF THE UNITED STATES: STRENGTH OF COMPONENT PARTS

[NOTE.—Prior to 1914, table covers quinquennial years and years in which considerable changes occurred in the number of Regular Army]

June 30—	Grand total	Regular Army <sup>1</sup>			National Guard <sup>2</sup>			Reserve forces <sup>3</sup>		
		Total	Officers	Enlisted men	Total	Officers	Enlist- ed men	Total	Officers	Enlisted men
1890	136,624	27,089	2,168	24,921	109,535	8,555	100,980			
1895	140,051	27,172	2,154	25,018	112,879	9,227	103,652			
1900	223,366	68,155	2,486	65,669	122,213	8,246	113,967	<sup>4</sup> 82,998	<sup>5</sup> 1,531	<sup>6</sup> 31,467
1901	200,696	81,586	2,940	78,646	115,749	8,751	106,998	<sup>4</sup> 3,361	<sup>5</sup> 350	<sup>6</sup> 3,011
1902	185,805	75,584	3,731	71,853	110,221	( <sup>5</sup> )	( <sup>6</sup> )			
1905	178,269	66,956	3,934	63,022	111,313	8,680	102,633			
1907	168,837	63,624	3,797	59,827	105,213	8,567	96,646			
1908	187,369	76,428	3,966	72,462	110,941	8,583	102,358			
1909	203,386	84,459	4,208	80,251	118,926	8,975	109,951			
1910	200,378	80,718	4,439	76,279	119,660	9,155	110,505			
1912	213,313	91,461	4,650	86,811	121,852	9,142	112,710			
1914	225,819	97,760	4,883	92,877	128,043	8,792	119,251	<sup>8</sup> 16		<sup>8</sup> 16
1915	235,410	105,993	4,798	101,195	129,398	8,705	120,693	<sup>8</sup> 19		<sup>8</sup> 19
1916	244,483	107,641	5,025	102,616	132,194	8,589	123,605	<sup>8</sup> 4,648		<sup>8</sup> 4,648
1917	629,863	250,357	6,332	244,025	<sup>7</sup> 314,581	<sup>8</sup> 11,000	303,581	64,925	<sup>9</sup> 21,543	<sup>10</sup> 43,382
1918	2,246,103	<sup>11</sup> 741,084	<sup>11</sup> 10,518	<sup>11</sup> 730,566	<sup>7</sup> 445,678	<sup>8</sup> 12,000	<sup>8</sup> 433,678	1,059,341	<sup>12</sup> 135,380	<sup>13</sup> 923,961
1918 (Nov. 11)	3,673,888	<sup>14</sup> 3,673,888	<sup>14</sup> 188,434	<sup>14</sup> 3,485,454						
1919	931,422	836,882	<sup>15</sup> 78,003	758,879	37,210	1,198	36,012	57,330	<sup>9</sup> 45,573	<sup>8</sup> 11,757
1920	363,540	200,367	<sup>15</sup> 15,519	184,848	56,090	2,073	54,017	107,063	<sup>9</sup> 68,232	<sup>8</sup> 38,851
1921	407,920	227,374	<sup>15</sup> 14,124	213,250	113,640	5,843	107,797	66,006	<sup>9</sup> 66,905	<sup>10</sup> 1
1922	373,597	146,069	<sup>15</sup> 14,075	131,994	159,658	8,744	150,914	67,870	<sup>9</sup> 67,390	<sup>10</sup> 480
1923	370,042	130,964	<sup>15</sup> 12,682	118,282	160,598	9,675	150,923	78,480	<sup>9</sup> 76,923	<sup>10</sup> 1,557
1924	403,178	140,644	<sup>15</sup> 12,501	128,143	177,428	<sup>17</sup> 10,996	166,432	85,106	<sup>9</sup> 81,706	<sup>10</sup> 3,400
1925	412,418	134,624	<sup>15</sup> 12,909	121,715	177,525	<sup>17</sup> 11,595	165,930	100,269	<sup>9</sup> 95,154	<sup>10</sup> 5,115
1926	417,606	133,033	<sup>15</sup> 13,105	119,928	174,969	<sup>17</sup> 11,435	163,534	109,604	<sup>9</sup> 103,829	<sup>10</sup> 5,775
1927	429,970	133,079	<sup>15</sup> 13,175	119,904	181,142	<sup>17</sup> 12,192	168,950	115,749	<sup>9</sup> 110,014	<sup>10</sup> 5,735

<sup>1</sup> Includes Philippine Scouts beginning with 1902. Figures for 1919 to 1926, inclusive, include in most cases World War emergency personnel still in service. All emergency enlisted men still in service were discharged on July 2, 1921. On Nov. 11, 1926, the last emergency (World War nonregular) officer who for several years had been undergoing treatment for physical reconstruction, was discharged, thereby completing the demobilization of the World War Army. Retired personnel on active duty are not included.

<sup>2</sup> State militia prior to act of June 3, 1916.

<sup>3</sup> Figures for 1900 and 1901 are "U. S. Volunteers of the Philippine Insurrection period; for other years Regular Army Reserve, Officers' Reserve Corps, Enlisted Reserve Corps, and the "National Army" of the World War period, as noted.

<sup>4</sup> U. S. Volunteers.

<sup>5</sup> Figures on officers and enlisted men not available.

<sup>6</sup> Regular Army Reserve. The Regular Army Reserve was abolished by act of June 4, 1920.

<sup>7</sup> Includes National Guard personnel in Federal service.

<sup>8</sup> Estimate.

<sup>9</sup> Officers' Reserve Corps.

<sup>10</sup> Includes Regular Army Reserve, 8,382; Enlisted Reserve Corps, 35,000 (estimate).

<sup>11</sup> Subject to revision.

<sup>12</sup> Includes Officers' Reserve Corps, 86,262; National Army, 49,118 (estimate).

<sup>13</sup> Estimated enlisted strength of the National Army. Practically all members of the Regular Army Reserve and the Enlisted Reserve Corps had, by this date, been assigned to duty with Regular Army, National Guard, and National Army organizations.

<sup>14</sup> Estimates only. Under orders of the Secretary of War all components had been merged into one army known as "The United States Army."

<sup>15</sup> Beginning with 1919, figures for commissioned officers include warrant officers in the following numbers: 1919, 37; 1920, 68; 1921, 1,159; 1922, 1,151; 1923, 1,065; 1924, 1,063; 1925, 1,028; 1926, 1,325; 1927, 1,262.

<sup>16</sup> Enlisted Reserve Corps.

<sup>17</sup> Beginning with 1924, figures for commissioned officers include warrant officers in the following numbers: 1924, 87; 1925, 160; 1926, 162; 1927, 182.

No. 148.—NATIONAL GUARD:<sup>1</sup> ORGANIZED STRENGTH, JUNE 30

State or Territory	1916		1927		State or Territory	1922		1927	
	Off- cers	En- listed men	Off- cers	En- listed men		Off- cers	En- listed men	Off- cers	En- listed men
Total.....	8,744	150,914	12,198	168,950	Montana.....	20	419	71	1,039
Alabama.....	152	2,455	210	2,755	Nebraska.....	65	1,203	106	1,767
Arizona.....	30	526	58	845	Nevada.....	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>1</sup> )
Arkansas.....	92	1,007	133	2,006	New Hampshire.....	63	1,052	69	970
California.....	164	3,349	378	4,967	New Jersey.....	213	4,009	321	4,244
Colorado.....	91	1,305	145	1,648	New Mexico.....	45	670	70	1,025
Connecticut.....	149	2,912	300	4,032	New York.....	1,142	20,474	1,245	19,345
Delaware.....	50	710	54	719	North Carolina.....	114	2,213	219	3,349
District of Columbia.....	34	456	61	822	North Dakota.....	46	1,102	70	1,263
Florida.....	94	1,654	145	2,116	Ohio.....	513	8,118	568	7,964
Georgia.....	129	2,391	233	3,446	Oklahoma.....	159	3,785	394	4,736
Hawaii.....	62	1,208	96	1,575	Oregon.....	118	2,239	189	2,979
Idaho.....	57	896	79	971	Pennsylvania.....	750	11,864	787	10,439
Illinois.....	355	6,000	583	8,600	Porto Rico.....	67	1,465	88	1,416
Indiana.....	290	4,632	350	4,305	Rhode Island.....	75	1,441	113	1,448
Iowa.....	195	3,411	235	3,396	South Carolina.....	95	1,781	116	2,020
Kansas.....	172	2,536	250	3,106	South Dakota.....	87	904	100	1,160
Kentucky.....	110	2,327	214	2,482	Tennessee.....	55	779	200	2,537
Louisiana.....	79	1,440	126	2,671	Texas.....	326	5,581	545	7,825
Maine.....	114	2,080	147	1,979	Utah.....	46	710	99	1,066
Maryland.....	168	2,415	212	2,823	Vermont.....	72	1,136	77	1,114
Massachusetts.....	483	7,850	639	8,723	Virginia.....	192	3,268	256	3,800
Michigan.....	227	3,735	319	4,132	Washington.....	148	2,364	203	2,468
Minnesota.....	278	4,769	345	4,617	West Virginia.....	44	1,019	78	1,271
Mississippi.....	63	1,352	118	1,585	Wisconsin.....	430	5,470	512	4,765
Missouri.....	227	3,794	300	4,404	Wyoming.....	39	440	44	676

<sup>1</sup> "National Guard" by act of June 3, 1916.<sup>2</sup> Includes 182 warrant officers.<sup>3</sup> Did not accept allotment.

Source: Reports of the War Department.

## No. 149.—NAVY, MARINE CORPS, AND THE NAVAL RESERVE : ORGANIZED STRENGTH, JUNE 30

Year	Navy		Naval Reserve <sup>1</sup>		Marine Corps		Marine Corps Reserve	
	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men
1903.....	2,009	27,345	435	4,901	195	6,001		
1906.....	2,252	30,804	465	4,475	278	6,932		
1907.....	2,352	33,027	504	5,225	279	8,038		
1909.....	2,823	44,129	525	5,639	334	9,348		
1910.....	2,921	45,976	540	5,961	334	9,152		
1911.....	3,059	46,759	602	6,592	330	9,454		
1912.....	3,114	46,651	615	7,185	319	9,567		
1913.....	3,503	48,098	615	7,440	330	9,757		
1914.....	3,711	52,007	596	7,132	341	9,886		
1915.....	3,780	52,581		7,708	344	9,968		
1916.....	4,134	77,056	638	9,170	646	14,981		
1917.....	4,253	141,543	<sup>2</sup> 4,166	<sup>3</sup> 57,801	500	24,772	373	4,073
1918.....	7,974	277,834	<sup>2</sup> 15,466	<sup>3</sup> 239,906	1,283	45,348	210	5,186
1919.....	10,488	145,018	<sup>2</sup> 32,137	<sup>3</sup> 35,805	1,997	43,921	725	6,145
1920.....	9,171	107,360	<sup>2</sup> 28,482	<sup>3</sup> 2,445	1,106	16,661	664	4,750
1921.....	8,625	103,571	<sup>2</sup> 19,734	( <sup>4</sup> )	1,087	21,903	646	4,180
1922.....	7,831	84,580	<sup>2</sup> 5,340	<sup>1</sup> 13,400	1,142	20,098	446	1,110
1923.....	7,873	82,355	4,222	17,511	1,140	18,533	136	443
1924.....	8,126	87,327	3,975	21,015	1,157	19,176	137	501
1925.....	8,389	84,269	3,818	24,349	1,168	18,310	150	483
1926.....	8,574	82,161	3,736	25,654	1,178	17,956	250	2,647
1927.....	8,904	83,566	3,771	26,293	1,200	16,000	378	5,665

<sup>1</sup> Figures prior to 1917 relate to the Naval Militia.<sup>2</sup> Enrolled.<sup>3</sup> On active duty Aug. 1.

Source: Reports of the Navy Department.

<sup>4</sup> No figures available.<sup>5</sup> Approximate.

**No. 150.—ARMY OF THE UNITED STATES: ESTIMATED STRENGTH, BY MONTHS, APRIL 1, 1917, TO NOVEMBER 1, 1918**

Date	Aggregate			In the United States and foreign possessions			In the American Expeditionary Forces <sup>1</sup>		
	Total	Officers	Enlisted men	Total	Officers	Enlisted men	Total	Officers	Enlisted men
<b>1917</b>									
Apr. 1.....	199,705	9,159	190,546	199,705	9,159	190,546			
July 1.....	308,375	31,878	361,597	381,678	31,229	350,448	11,600	449	11,151
Oct. 1.....	1,011,982	58,400	953,582	954,249	54,103	900,146	57,714	4,297	53,417
<b>1918</b>									
Jan. 1.....	1,412,006	82,000	1,330,006	1,243,428	72,489	1,170,939	165,638	9,541	156,097
Apr. 1.....	1,672,973	96,000	1,576,973	1,384,893	77,469	1,287,424	308,082	18,531	289,551
July 1.....	2,379,579	115,179	2,264,400	1,514,378	75,117	1,439,261	935,201	40,062	895,139
Oct. 1.....	2,312,145	178,000	2,135,145	1,610,185	108,974	1,501,211	1,702,930	71,026	1,631,904
Nov. 1.....	2,545,330	185,000	2,360,330	1,681,311	108,369	1,572,942	1,864,019	76,631	1,787,388

<sup>1</sup> Exclusive of Navy and Marine Corps personnel serving with the Army.

Source: Reports of the War Department.

**No. 151.—ARMY OF THE UNITED STATES: COMPARATIVE STRENGTH ON APRIL 1, 1917, AND NOVEMBER 11, 1918, BY BRANCHES OF SERVICE**

Branch	Apr. 1, 1917			Nov. 11, 1918		
	Total	Officers	Enlisted men	Total	Officers	Enlisted men
<b>Total.....</b>	<b>199,705</b>	<b>9,159</b>	<b>190,546</b>	<b>2,673,888</b>	<b>188,434</b>	<b>2,485,454</b>
Infantry <sup>1</sup> .....	107,002	4,674	102,328	1,046,306	39,445	1,006,861
Corps of Engineers.....	2,979	277	2,702	308,318	10,761	297,557
Field Artillery <sup>2</sup> .....	9,520	404	9,116	399,827	19,131	380,696
Medical Department.....	8,934	1,105	7,829	304,838	40,338	264,500
Quartermaster Corps.....	7,557	279	7,278	256,598	10,763	245,835
Coast Artillery Corps.....	21,347	786	20,561	152,913	5,388	147,525
Ordnance Department.....	837	98	741	66,767	5,158	61,609
Signal Corps.....	2,946	110	2,836	52,760	2,367	50,393
Cavalry.....	20,897	1,035	19,862	30,901	1,717	29,184
Air Service.....				197,446	19,196	178,250
Motor Transport Corps.....				62,608	2,993	59,615
Militia Bureau.....				26,262	1,194	25,068
Military Police Corps.....				17,547	492	17,055
Chemical Warfare Service.....				19,465	1,902	17,563
Tank Corps.....				15,960	1,000	14,960
Postal Express Service.....				3,154	131	3,023
Philippine Scouts.....	5,523	169	5,354	8,498	243	8,255
In training.....				444,780	12,766	432,014
All others.....	12,163	224	11,939	256,940	12,337	244,603

<sup>1</sup> Including machine gun units.

<sup>2</sup> Including ammunition trains.

Source: Reports of the War Department.

**No. 152.—VESSELS OF THE U. S. NAVY FIT FOR SERVICE (INCLUDING THOSE UNDER REPAIR): NUMBER AND DISPLACEMENT, JUNE 30**

June 30—	Total		Fighting ships		Nonfighting ships	
	Number	Displacement	Number	Displacement	Number	Displacement
		Tons		Tons		Tons
1906.....	276	692,592	200	518,115	76	174,477
1910.....	306	1,075,407	220	828,695	86	246,712
1915.....	343	1,352,135	230	913,334	113	438,801
1920.....	795	2,111,457	618	1,369,860	177	741,597
1923.....	774	2,353,640	585	1,333,065	189	1,020,575
1924.....	753	2,258,843	565	1,253,182	188	1,005,661
1925.....	754	2,274,376	567	1,269,791	187	1,004,585
1926.....	734	2,247,965	557	1,273,550	177	974,415
1927.....	734	2,225,348	556	1,264,313	178	961,035

Source: Navy Department.

No. 158.—VESSELS IN THE NAVY: NUMBER AND DISPLACEMENT, BY CLASSES, DECEMBER 31, 1927

Class and type	Total		Fit for service, including those under repair				Under construction		Authorized, but no funds appropriated	
			In commission		Out of commission					
	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement	Number	Displacement
Grand total, all types	769	Tons 12,408,066	403	Tons 1,832,024	366	Tons 797,912	16	Tons 80,000	17	Tons (*)
Battleships (first line)	18	835,850	18	835,850						
Cruiser type, total	47	439,981	31	307,330	16	141,981	8	80,000		
Cruisers, second line	11	139,450	3	36,330	8	103,120				
Light cruisers, first line	18	155,000	10	75,000			8	80,000		
Light cruisers, second line	11	39,975	3	9,000	8	30,375				
Aircraft carriers, first line	2	66,000	2	66,000						
Aircraft carriers, second line	1	12,700	1	12,700						
Mine layers, second line	4	16,090	2	7,000	2	8,496				
Destroyer type, total	299	1,336,089	112	135,789	172	199,331			12	(*)
Destroyers, first line	274	1,312,479	106	128,622	156	183,857			12	(*)
Destroyers, second line	8	5,936			8	5,936				
Light mine layers	14	16,674	6	7,146	8	9,528				
Submarines, total	188	1,75,104	78	55,915	48	19,189	1	(*)	4	(*)
Submarines, first line	61	143,822	46	39,850	4	3,972			1	(*)
Submarines, second line	65	31,282	29	16,065	36	15,217				
Fleet submarines, first line	9	(*)	3	(*)	2	(*)			3	(*)
Fleet submarines (mine laying)	1	(*)					1	(*)		
Fleet submarines (cruiser)	2	(*)					2	(*)		
Patrol vessels, total	104	47,519	55	35,846	49	19,553	5	2,120		
Eagles	53	26,500	17	8,500	36	18,000				
Submarine chasers	27	2,079	23	1,771	4	308				
Gunboats	15	10,050	10	7,930			5	2,120		
Converted yachts	7	8,990	5	7,645	2	1,245				
Auxiliaries, total	148	1,875,929	101	516,099	46	359,838			1	(*)
Destroyer tenders	6	95,375	6	69,700	2	25,675				
Submarine tenders	9	68,442	6	51,873	3	16,568				
Aircraft tenders	1	11,500	1	11,500						
Repair ships	3	26,200	2	18,100	1	8,100				
Store ships	5	61,500	2	21,100	3	40,400				
Coilers	5	96,140	1	19,250	4	76,890				
Oilers	19	275,316	11	150,286	8	125,050				
Ammunition ships	2	21,200	1	10,600	1	10,600				
Cargo ships	6	59,680	3	26,230	3	33,450				
Transports	3	123,400	2	23,400					1	(*)
Hospital ships	3	25,517	2	19,900	1	5,917				
Ocean tugs	36	31,923	25	23,290	11	8,633				
Mine sweepers	43	40,850	34	32,300	9	8,550				
Miscellaneous	5	38,565		38,565						
Unclassified	30	113,344	18	55,319	12	58,025				

\* Displacement of the following not included in totals: 12 destroyers; 1 submarine, first line; 12 fleet submarines, 1 transport.

\* Displacement not given

Source: Navy Department.

### No. 154.—AMERICAN NATIONAL RED CROSS: EXPENDITURES OF THE NATIONAL ORGANIZATION, YEARS ENDED JUNE 30

[NOTE.—This report covers the expenditures and budget of the national organization only and does not include chapter budgets. The estimated 1928 expenditures include amounts appropriated to March 31, 1928, for domestic and foreign disasters. The total expenditures for 1921 were \$24,492,741; 1922, \$12,475,848; 1923, \$9,738,448]

Item	1924	1925	1926	1927	Estimated 1928
<b>Total</b> .....	<b>\$16,497,255</b>	<b>\$5,836,680</b>	<b>\$7,381,869</b>	<b>\$11,360,349</b>	<b>\$30,190,700</b>
<b>Domestic operations:</b>					
Service to disabled veterans.....	1,735,825	1,677,916	1,641,178	1,161,224	1,123,500
Service to men of the Regular Army and Navy.....	308,286	310,376	309,452	307,832	310,200
Disaster relief.....	450,604	1,622,783	3,642,827	7,960,893	16,903,400
Enrolled Nurses' Reserve.....	43,508	45,563	47,383	45,249	44,900
Public health nursing.....	267,241	229,616	215,823	211,069	218,100
Home hygiene and care of the sick.....	68,533	52,760	51,466	48,380	54,500
Nutrition.....	65,604	74,135	64,108	54,371	56,100
First aid and life saving.....	216,235	233,423	251,385	238,780	260,800
Junior Red Cross.....	233,511	216,707	212,053	188,434	203,600
Other domestic operations.....	283,473	302,958	264,040	236,147	249,800
<b>Insular and foreign operations:</b>					
Relief in foreign disasters.....	11,969,690	285,579	53,076	256,963	162,500
League of Red Cross Societies.....	165,000	177,450	180,000	192,500	180,000
Junior Red Cross foreign projects.....	99,580	84,384	74,065	69,360	58,200
Assistance to insular chapters.....	221,855	110,239	49,600	75,621	43,900
Other insular and foreign work.....		80,058	54,784	48,392	39,900
<b>Supervision of service activities and general management</b> .....	<b>368,310</b>	<b>332,733</b>	<b>270,629</b>	<b>265,132</b>	<b>281,300</b>

### No. 155.—AMERICAN NATIONAL RED CROSS: ANNUAL ROLL CALL, 1926-27

[NOTE.—Total continental United States membership (including Alaska) and per cent of total population in previous years: 1918-19, 19,696,773 (18.62 per cent); 1919-20, 9,171,513 (8.67 per cent); 1920-21, 5,836,353 (5.52 per cent); 1921-22, 3,763,111 (3.56 per cent); 1922-23, 3,330,069 (3.15 per cent); 1923-24, 3,048,586 (2.88 per cent); 1924-25, 3,033,093 (2.87 per cent); 1925-26, 2,915,308 (2.76 per cent)]

State or Territory	Membership	Population, 1927 <sup>1</sup>	Per cent of membership to population	State or Territory	Membership	Population, 1927 <sup>1</sup>	Per cent of membership to population
<b>Total membership</b> .....	<b>3,087,789</b>			<b>United States—Continued.</b>			
<b>United States<sup>2</sup></b> .....	<b>2,995,846</b>	<b>122,900,000</b>	<b>2.5</b>	Nebraska.....	22,980	1,396,600	1.6
Alabama.....	16,019	2,549,000	0.6	Nevada.....	2,113	77,000	2.7
Alaska.....	2,639	55,000	4.8	New Hampshire.....	23,923	455,000	5.3
Arizona.....	7,438	459,000	1.6	New Jersey.....	153,219	3,749,000	4.1
Arkansas.....	8,858	1,923,000	.5	New Mexico.....	4,224	392,000	1.1
California.....	238,353	4,433,000	5.4	New York.....	427,243	11,423,000	3.7
Colorado.....	30,748	1,074,000	2.9	North Carolina.....	30,815	2,897,000	1.1
Connecticut.....	79,453	1,636,000	4.9	North Dakota.....	17,468	641,000	2.7
Delaware.....	4,759	243,000	2.0	Ohio.....	221,687	6,710,000	3.3
Dist. of Columbia.....	25,365	540,000	4.7	Oklahoma.....	23,216	2,384,000	1.0
Florida.....	41,233	1,363,000	3.0	Oregon.....	21,766	890,000	2.4
Georgia.....	25,678	3,171,000	.8	Pennsylvania.....	344,586	9,730,000	3.5
Idaho.....	7,056	534,000	1.3	Rhode Island.....	32,041	704,000	4.6
Illinois.....	93,629	7,296,000	1.3	South Carolina.....	12,373	1,845,000	.7
Indiana.....	86,241	3,150,000	2.7	South Dakota.....	10,489	696,000	1.5
Iowa.....	61,763	2,425,000	2.5	Tennessee.....	23,156	2,485,000	.9
Kansas.....	29,932	1,828,000	1.6	Texas.....	71,178	5,397,000	1.3
Kentucky.....	35,846	2,538,000	1.4	Utah.....	7,913	522,000	1.5
Louisiana.....	16,946	1,934,000	.9	Vermont.....	13,540	352,000	3.8
Maine.....	20,030	793,000	2.5	Virginia.....	41,686	2,546,000	1.6
Maryland.....	29,461	1,597,000	1.8	Washington.....	39,675	1,562,000	2.5
Massachusetts.....	144,338	4,242,000	3.4	West Virginia.....	23,412	1,696,000	1.4
Michigan.....	174,164	4,490,000	3.9	Wisconsin.....	34,146	2,918,000	1.2
Minnesota.....	57,184	2,686,000	2.1	Wyoming.....	7,014	241,000	2.9
Mississippi.....	15,060	1,791,000	.8	At Large.....	4,592		
Missouri.....	114,463	3,510,000	3.3	<b>Insular and foreign places</b> .....	<b>91,943</b>		
Montana.....	14,735	714,000	2.1				

<sup>1</sup> Estimated by Bureau of the Census.

<sup>2</sup> Continental United States, including Alaska.



## No. 156.—PENSIONERS ON ROLLS AND DISBURSEMENTS FOR PENSIONS

June 30 or year ended June 30--	Number on rolls			Dis- burse- ments for pen- sions	Main- te- nance and ex- penses	June 30 or year ended June 30--	Number on rolls			Dis- burse- ments for pen- sions	Main- te- nance and ex- penses
	In- valids	Wid- ows, etc.	Total				In- valids	Wid- ows, etc.	Total		
				In thousands of dollars						In thousands of dollars	
1866.....	55,652	71,070	126,722	15,450	407	1902....	739,443	250,003	999,446	137,504	3,831
1870.....	87,521	111,165	198,686	29,351	600	1903....	729,356	267,189	996,545	137,760	3,908
1875.....	122,969	111,832	234,821	29,270	982	1904....	720,921	273,841	994,762	141,094	3,849
1879.....	138,815	104,140	242,755	33,664	838	1905....	717,761	280,080	998,441	141,143	3,722
1880.....	145,410	105,392	250,802	56,689	935	1906....	701,483	294,488	995,971	139,000	3,523
1881.....	164,110	104,720	268,830	50,583	1,072	1907....	679,937	287,434	967,371	138,155	3,309
1882.....	182,633	103,064	285,697	54,313	1,456	1908....	658,071	293,616	951,687	153,093	2,801
1883.....	206,042	97,616	303,658	60,428	2,592	1909....	632,557	313,637	946,194	161,974	2,853
1884.....	225,470	97,286	322,756	57,912	2,835	1910....	602,189	318,903	921,083	159,974	2,658
1885.....	247,146	97,979	345,125	65,172	3,393	1911....	570,650	322,048	892,098	157,325	2,517
1886.....	270,346	95,437	365,783	64,091	3,245	1912....	538,000	322,294	860,294	152,986	2,449
1887.....	306,298	99,709	406,007	73,753	3,753	1913....	503,633	316,567	820,272	174,172	2,543
1888.....	343,701	108,850	452,557	78,951	3,515	1914....	470,331	314,908	785,239	172,418	2,067
1889.....	373,699	116,026	489,725	88,843	3,467	1915....	437,448	310,699	748,147	165,518	1,780
1890.....	415,654	122,290	537,944	106,094	3,526	1916....	403,120	306,452	709,572	159,155	1,657
1891.....	536,821	139,339	676,160	117,313	4,701	1917....	369,936	303,175	673,111	160,805	1,563
1892.....	703,242	172,820	876,068	139,394	4,899	1918....	340,318	306,582	646,895	179,835	1,528
1893.....	759,706	200,308	960,012	150,907	4,868	1919....	313,149	311,287	624,427	222,159	1,433
1894.....	754,382	215,192	969,544	139,987	3,964	1920....	255,219	306,971	592,190	213,295	1,395
1895.....	751,456	219,068	970,524	149,812	4,338	1921....	267,731	298,322	566,053	258,721	1,390
1896.....	745,514	222,164	970,678	138,221	3,991	1922....	256,918	290,068	547,016	233,806	1,394
1897.....	747,492	228,522	976,014	139,950	3,088	1923....	253,686	286,070	539,756	263,013	1,992
1898.....	758,511	235,203	993,714	144,652	4,114	1924....	248,116	277,423	525,539	229,995	1,498
1899.....	754,104	237,416	991,519	138,462	4,148	1925....	244,886	267,651	512,537	217,151	1,489
1900.....	752,519	241,019	993,529	138,355	3,642	1926....	246,139	255,584	501,723	267,844	1,486
1901.....	748,649	249,066	997,735	138,531	3,899	1927....	246,194	243,748	489,942	230,153	1,327

## PENSIONS OF THE SEVERAL WARS

War	Total payments, 1790 to June 30, 1927	Number on rolls June 30—		Amount paid, year ended June 30—		Value of average pension	
		1920	1927	1920	1927	1920	1927
Total.....	87,491,490.071	598,190	489,642	8913,266,311	8930,199,719	8940	8470
War of the Revolution.....	70,000,000						
War of 1812.....	46,172,521	71	17	21,145	9,808	233	877
Indian wars.....	31,513,894	6,238	7,015	1,746,308	2,013,766	203	287
War with Mexico.....	58,056,021	2,571	976	676,682	568,966	240	563
Civil War.....	4,951,413,813	533,729	302,091	202,586,306	166,493,209	359	550
War with Spain.....	239,227,906	20,432	162,638	4,624,088	57,232,826	142	352
Regular establishment.....	78,381,523	19,031	16,540	3,604,038	3,818,070	181	231
World War.....	219,967	128	65	36,734	16,067	228	247
Unclassified.....	16,513,426						

## NUMBER RECEIVING SPECIFIED MONTHLY RATES OF PENSION JUNE 30, 1927

	\$12	\$20	\$25	\$30	\$40	\$50	\$65	\$72	\$90	Other rates
Regular establishment:										
Soldiers.....	1,995	99	47	1,313	59	228	7	169	134	9,034
Widows, etc.....	2,388	368	169	267	57	64				172
Civil War:										
Soldiers.....	4	4	1	31	2	365	37,095	43,976	7,436	235
Widows, etc.....	371	975	638	187,519	419	22,488	2			235
War with Spain:										
Soldiers.....	888	43,929	34,577	27,786	16,243	12,050	1	900	76	2,146
Widows, etc.....	50	1,490	60	21,881	9	14				53
Other wars:										
Soldiers.....	11	639	1	605	717	1,918		2	4	72
Widows, etc.....	64	26		3,043	3	949		1		18

Source: Annual Reports of the Commissioner of Pensions, Department of the Interior.

# No. 157.—UNITED STATES VETERANS' BUREAU: DISBURSEMENTS BY FISCAL YEARS ENDED JUNE 30

(All figures in thousands of dollars)

	Total to June 30, 1927	1922	1924	1925	1926	1927
<b>Grand total</b> .....	<b>1,763,484</b>	<b>470,749</b>	<b>414,138</b>	<b>363,756</b>	<b>426,165</b>	<b>466,346</b>
<b>Disbursements from appropriations</b> .....	<b>1,474,115</b>	<b>464,181</b>	<b>407,424</b>	<b>354,787</b>	<b>426,237</b>	<b>393,684</b>
Losses on war-risk insurance on American vessels, their cargoes, etc.....	35,083	10	4	2	134	187
Military and naval family allowance.....	262,337	114	11	7	17	187
Military and naval insurance <sup>1</sup> .....	328,458	99,418	101,240	104,137	136,975	120,944
Military and naval compensation.....	359,422	125,594	115,496	123,597	164,437	173,477
Vocational rehabilitation.....	299,768	149,433	106,954	60,483	25,841	2,206
Medical and hospital services, U. S. Veter- ans' Bureau.....	114,249	51,448	29,619	33,033	31,196	31,555
Hospital facilities and services.....	916	2,644	9,215	3,895	4,511	4,599
Salaries and expenses, Veterans' Bureau.....	43,860	33,004	43,073	45,001	42,164	36,364
Soldiers' and sailors' civil relief claims.....	20	20				
Printing and binding.....			107	188	136	127
Increase of compensation.....	4,015	2,751	1,929	6	13	
Administrative expenses adjusted compen- sation, 1924-25.....				809	26	
Adjusted service and dependent pay.....				3,038	5,626	9,900
Adjusted service certificate fund.....				4,607	15,355	14,408
All other.....				14	12	21
<b>Disbursements from trust funds</b> .....	<b>309,369</b>	<b>8,568</b>	<b>7,446</b>	<b>8,969</b>	<b>9,928</b>	<b>11,704</b>
Allotment trust fund.....	301,110	1182	14	3	114	1100
United States Government life-insurance fund.....	8,189	6,700	7,482	8,962	9,812	11,804
Vocational rehabilitation gift fund.....	67		7	4		

<sup>1</sup> Credit.<sup>2</sup> \$450,175,000 in premiums credited to this appropriation.

# No. 158.—VETERANS' INSURANCE AND COMPENSATION: DEATH AND DISABILITY AWARDS

[NOTE.—Compensation for death and disability due to war service is paid automatically under various laws, but in a large majority of death and permanent total-disability cases, additional compensation is paid to those participating in the Government life-insurance system. Term insurance is a temporary form of insurance designed to cover war hazards. The right to reinstate and convert term insurance into permanent Government life insurance (converted insurance) expired by law July 2, 1927.]

	Total to June 30, 1927	Period or year ended June 30—						
		1917- 1921	1922	1923	1924	1925	1926	1927
<b>Number of awards made dur- ing period or year:</b>								
Compensation.....	532,467	333,620	77,195	35,300	15,262	28,881	26,780	15,429
Death.....	98,012	52,659	6,216	5,931	4,950	5,351	14,068	5,817
Disability.....	434,455	280,961	70,979	29,369	10,312	20,530	12,602	9,612
Term insurance.....	171,590	143,727	8,591	5,270	3,669	3,996	4,346	1,991
Death.....	155,331	135,616	5,501	4,132	2,806	2,744	2,792	1,340
Disability.....	16,259	7,911	3,090	1,138	863	1,252	1,554	451
Converted insurance.....	9,873	690	1,247	1,319	1,346	1,464	1,850	1,957
Death.....	7,196	613	937	963	968	1,119	1,182	1,380
Disability.....	2,677	77	310	356	378	345	668	568
<b>Number of awards active at end of period or year:</b>								
Compensation.....		202,519	225,363	238,395	237,147	277,602	306,177	326,450
Death.....		47,539	51,339	55,306	58,110	65,958	78,493	82,839
Disability.....		154,980	174,024	183,090	179,037	211,644	227,684	243,611
Term insurance.....		138,434	141,568	146,403	149,857	153,331	154,881	146,047
Death.....		131,924	135,380	139,177	141,754	143,823	144,057	135,005
Disability.....		6,510	6,188	7,226	8,103	9,508	10,824	11,042
Converted insurance.....		394	931	1,480	2,054	2,602	3,375	4,086
Death.....		317	583	811	1,032	1,276	1,462	1,694
Disability.....		77	348	669	1,022	1,326	1,913	2,392

Source of Tables 157 and 158: United States Veterans' Bureau.

**No. 159.—GOVERNMENT LIFE INSURANCE: ANNUAL PREMIUM RATES ON \$1,000 INSURANCE, BY SPECIFIED FORMS OF INSURANCE**

Age at conversion	Ordinary life	20-pay-ment life	30-pay-ment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term	Age at conversion	Ordinary life	20-pay-ment life	30-pay-ment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term
	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.		Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.	Dolls.
15...	12.29	19.25	15.36	34.84	23.60	14.89	7.44	43...	26.58	33.43	28.11	42.53	30.12	44.77	10.87
16...	12.52	19.61	15.50	35.86	24.10	15.24	7.44	44...	27.64	34.38	29.06	43.88	31.05	47.72	11.22
17...	12.76	19.85	15.83	36.98	24.10	15.59	7.56	45...	28.71	35.32	30.00	45.47	31.66	50.91	11.69
18...	12.99	20.20	16.07	38.98	24.22	16.07	7.56	46...	29.89	36.38	31.19	46.94	32.60	54.69	12.17
19...	13.23	20.44	16.30	39.98	24.22	16.54	7.56	47...	31.19	37.56	32.25	48.65	33.55	58.83	12.76
20...	13.58	20.79	16.54	39.10	24.33	17.01	7.68	48...	32.60	38.75	33.55	49.36	34.61	63.67	13.47
21...	13.82	21.14	16.89	39.10	24.33	17.48	7.68	49...	34.02	39.93	34.85	46.07	35.79	69.23	14.18
22...	14.18	21.50	17.13	39.10	24.45	18.07	7.80	50...	35.56	41.34	36.38	47.02	37.09	75.72	15.00
23...	14.53	21.85	17.48	39.22	24.45	18.66	7.80	51...	37.21	42.76	...	47.95	38.51	83.28	15.95
24...	14.88	22.21	17.84	39.22	24.57	19.25	7.91	52...	38.98	44.30	...	49.02	40.05	92.49	16.89
25...	15.24	22.56	18.07	39.34	24.60	19.85	7.91	53...	40.87	45.83	...	50.20	41.82	...	18.07
26...	15.59	23.04	18.43	39.34	24.81	20.55	8.03	54...	42.98	47.61	...	51.62	43.59	...	19.37
27...	15.95	23.39	18.78	39.45	24.93	21.26	8.03	55...	45.13	49.50	...	53.04	45.60	...	20.79
28...	16.42	23.89	19.14	39.45	25.04	22.09	8.15	56...	47.37	51.50	...	54.89	...	...	22.33
29...	16.89	24.33	19.61	39.57	25.16	22.92	8.27	57...	49.85	53.75	...	56.47	...	...	24.10
30...	17.36	24.81	19.96	39.69	25.40	23.74	8.39	58...	52.45	55.99	...	58.47	...	...	26.11
31...	17.84	25.28	20.44	39.81	25.52	24.69	8.51	59...	55.28	58.99	...	60.72	...	...	28.23
32...	18.31	25.87	20.91	39.93	25.75	25.75	8.62	60...	58.36	61.31	...	63.08	...	...	30.60
33...	18.90	26.34	21.36	40.05	25.99	26.82	8.74	61...	61.66	...	...	...	...	...	33.19
34...	19.49	26.93	21.85	40.16	26.22	28.00	8.86	62...	65.21	...	...	...	...	...	36.15
35...	20.08	27.52	22.44	40.28	26.46	29.30	8.98	63...	68.99	...	...	...	...	...	39.34
36...	20.79	28.11	23.04	40.52	26.82	30.71	9.10	64...	73.00	...	...	...	...	...	42.88
37...	21.38	28.82	23.63	40.64	27.17	32.13	9.33	65...	77.37	...	...	...	...	...	46.78
38...	22.39	29.53	24.22	40.87	27.52	33.78	9.45	66...	82.10	...	...	...	...	...	51.15
39...	22.92	30.24	24.93	41.11	27.88	35.56	9.69	67...	87.18	...	...	...	...	...	56.67
40...	23.74	30.95	25.63	41.46	28.47	37.59	9.92	68...	92.61	...	...	...	...	...	61.07
41...	24.69	31.78	26.34	41.70	28.94	39.68	10.28	69...	98.40	...	...	...	...	...	66.62
42...	25.52	32.60	27.17	42.05	29.53	42.05	10.51	70...	104.78	...	...	...	...	...	72.77

Source: United States Veterans' Bureau.

**No. 160.—GOVERNMENT LIFE INSURANCE: AMOUNT IN FORCE AND PREMIUMS COLLECTED DIRECT BY VETERANS' BUREAU**

[Note.—During the war premiums on term insurance were collected by the War and Navy Departments. More recently they have been collected direct by the Veterans' Bureau, except for those remaining in military or naval services.]

	Insurance policies in force June 30						Premiums collected directly by Veterans' Bureau during period or year ended June 30	
	Term insurance			Converted insurance				
	Total	Men in service	Men out of service	Total	Men in service	Men out of service	Term insurance	Converted insurance
Number								
1921 <sup>1</sup>	397,890	96,176	301,714	253,164	39,828	213,336	8,913,466	1,001,230
1922	300,926	48,335	252,591	280,652	25,005	255,647	3,008,191	1,364,970
1923	240,291	26,725	213,566	319,774	21,557	298,217	2,466,222	1,525,324
1924	200,385	18,913	181,472	353,215	19,576	333,639	2,090,855	1,712,810
1925	177,328	12,231	165,097	375,012	21,427	353,585	1,748,753	1,880,734
1926	130,103	6,855	123,248	423,557	25,660	397,897	1,500,111	2,090,421
1927	87,100	2,351	84,749	500,690	29,568	471,122	979,319	2,440,326
Amount (1,000 dollars)								
1921 <sup>1</sup>	2,980,660	567,496	2,413,165	868,716	136,667	732,049	64,017	32,624
1922	2,314,663	331,623	1,983,040	1,033,787	92,036	941,751	20,755	26,864
1923	1,854,146	183,358	1,670,787	1,216,064	81,979	1,134,085	17,401	30,919
1924	1,609,031	129,806	1,479,225	1,375,543	97,656	1,277,887	14,781	35,345
1925	1,372,091	89,597	1,282,494	1,492,937	111,604	1,381,333	13,106	39,388
1926	1,008,511	52,281	956,230	1,773,076	138,294	1,634,782	10,650	44,417
1927	672,075	19,308	652,767	2,230,970	170,174	2,060,796	7,268	54,047

<sup>1</sup> Premiums collected are totals from origin to June 30, 1921.

Source: United States Veterans' Bureau.

No. 161.—GOVERNMENT LIFE INSURANCE: CLASSIFICATION OF CONVERTED INSURANCE APPROVED UP TO JUNE 30, 1927

Plan	Number	Amount	Average policy	Per cent of total	
				Number	Amount
Total.....	637, 274	\$2, 607, 944, 219	\$4, 157. 58	100. 00	100. 00
Ordinary life.....	133, 006	680, 303, 718	5, 182. 50	21. 20	26. 43
20-payment life.....	177, 370	760, 409, 599	4, 287. 14	28. 28	29. 16
30-payment life.....	27, 536	141, 087, 823	5, 123. 76	4. 39	5. 41
20-year endowment.....	192, 924	506, 997, 932	2, 627. 97	30. 75	11. 14
30-year endowment.....	37, 557	157, 951, 510	4, 205. 65	5. 99	6. 05
Endowment at age 62.....	33, 601	163, 969, 019	4, 879. 89	5. 36	6. 29
Convertible term.....	25, 280	188, 224, 618	7, 445. 59	4. 03	7. 22

No. 162.—GOVERNMENT LIFE INSURANCE FUND: FINANCIAL STATEMENT OF FUNDS FROM ORIGIN MAY 31, 1919, TO JUNE 30, 1927

	Total to June 30, 1927	Year ended June 30, 1927		Total to June 30, 1927	Year ended June 30, 1927
Income, total.....	\$310, 258, 214	\$67, 910, 550	Disbursements—Contd.		
Premiums.....	255, 314, 229	52, 426, 088	Dividends.....	\$15, 042, 803	\$3, 572, 038
Interest on investments.....	29, 211, 207	8, 059, 632	Interest on dividend deposits.....	368	213
Repayments under sec. 406 as amended Aug. 9, 1921.....	21, 673, 297	4, 250, 407	Payment on matured endowment.....	23, 860	10, 475
Profit on sale of investments.....	2, 635, 578	2, 628, 131	Balance, total.....	257, 178, 037	-----
Interest on loans.....	1, 392, 125	538, 326	Investments and interest.....	207, 766, 511	-----
Interest on premiums.....	31, 778	7, 966	Loans on adjusted service certificates.....	20, 850, 961	-----
Disbursements, total.....	53, 080, 177	11, 935, 741	Loans on policies.....	26, 114, 028	-----
Paid on claims.....	32, 043, 545	7, 132, 305	Cash on hand.....	2, 446, 537	-----
Paid on surrenders.....	5, 969, 601	1, 220, 710			

No. 163.—ACTION TAKEN ON APPLICATION FOR ADJUSTED COMPENSATION: YEARS ENDED JUNE 30

[NOTE: Amounts in thousands of dollars. Totals shown in the following table differ from those in Table 164, due to the fact that the former is the result of a daily action report, while the latter is the result of annual mechanical tabulations]

Branch of service and claim	1925		1926		1927	
	Number	Amount	Number	Amount	Number	Amount
Grand total.....	2, 747, 518	2, 742, 108	428, 979	385, 110	207, 033	181, 332
Army, total.....	2, 448, 502	2, 414, 328	289, 631	245, 153	175, 283	151, 066
Cash (less than \$50):						
Veterans.....	85, 980	2, 850	10, 555	342	6, 275	489
Dependents.....	742	21	2, 323	65	698	19
Dependents (over \$50) <sup>1</sup> .....	15, 131	5, 638	36, 961	13, 174	12, 463	4, 427
Certificates.....	2, 346, 649	2, 405, 819	239, 792	231, 572	155, 847	146, 131
Navy, total.....	252, 385	276, 430	129, 119	129, 773	28, 533	27, 196
Cash (less than \$50):						
Veterans.....	3, 542	99	2, 875	78	650	17
Dependents.....	39	1	200	5	57	1
Dependents (over \$50) <sup>1</sup> .....	1, 210	515	4, 283	1, 801	1, 291	534
Certificates.....	247, 594	275, 815	121, 761	127, 889	26, 535	26, 644
Marine Corps, total.....	46, 631	51, 350	10, 229	10, 184	3, 217	3, 070
Cash (less than \$50):						
Veterans.....	291	10	83	2	16	1
Dependents.....	9	-----	23	1	11	-----
Dependents (over \$50) <sup>1</sup> .....	397	164	1, 065	449	301	124
Certificates.....	45, 934	51, 176	9, 038	9, 732	2, 889	2, 945

<sup>1</sup> Payments to dependents of more than \$50 are made in 10 equal quarterly installments.  
Source of Tables 161, 162, and 163: United States Veterans' Bureau.

No. 164.—ADJUSTED COMPENSATION AWARDS: NUMBER AND AMOUNT TO JUNE 30, 1927, BY RESIDENCE

[Amounts in thousands of dollars]

Residence	Certificates issued		Cash payments <sup>1</sup>		Residence	Certificates issued		Cash payments <sup>1</sup>	
	Num-ber	Amount	Num-ber	Amount		Num-ber	Amount	Num-ber	Amount
Total.....	3, 106, 038	3, 248, 615	185, 308	30, 415	New Mexico....	9, 413	9, 427	858	113
Alabama.....	45, 492	43, 217	4, 439	595	New York.....	332, 635	351, 078	15, 523	3, 144
Arizona.....	9, 936	11, 016	450	72	North Carolina	56, 984	56, 881	4, 242	604
Arkansas.....	40, 513	37, 743	3, 671	416	North Dakota..	14, 619	14, 229	615	99
California.....	175, 876	194, 753	6, 343	1, 275	Ohio.....	165, 031	172, 306	11, 929	1, 548
Colorado.....	31, 418	31, 998	1, 619	278	Oklahoma.....	58, 998	57, 174	3, 128	528
Connecticut...	39, 160	43, 151	2, 080	371	Oregon.....	31, 606	33, 463	1, 157	232
Delaware.....	5, 434	5, 817	314	52	Pennsylvania..	233, 828	251, 414	12, 746	2, 386
Dist. of Col....	25, 276	26, 411	1, 565	254	Rhode Island..	18, 612	19, 960	894	177
Florida.....	31, 197	31, 844	1, 892	291	South Carolina	32, 652	31, 521	3, 228	425
Georgia.....	52, 162	50, 919	3, 782	615	South Dakota..	21, 295	19, 695	816	102
Idaho.....	12, 162	12, 072	494	83	Tennessee.....	54, 382	54, 017	4, 338	719
Illinois.....	221, 553	223, 767	10, 264	1, 758	Texas.....	134, 212	139, 543	7, 245	1, 188
Indiana.....	85, 768	86, 312	5, 340	798	Utah.....	13, 039	13, 205	699	110
Iowa.....	74, 201	69, 638	3, 848	562	Vermont.....	7, 657	8, 379	621	107
Kansas.....	52, 165	51, 672	3, 111	453	Virginia.....	58, 321	60, 985	3, 815	671
Kentucky.....	58, 397	56, 305	4, 505	740	Washington...	51, 350	55, 908	2, 137	374
Louisiana.....	48, 031	44, 875	3, 303	471	West Virginia..	39, 283	38, 170	2, 902	377
Maine.....	19, 947	20, 178	1, 583	234	Wisconsin.....	81, 467	78, 256	4, 773	727
Maryland.....	43, 016	45, 145	2, 828	447	Wyoming.....	10, 110	10, 487	313	52
Massachusetts..	121, 576	133, 319	6, 898	1, 348	State not given	242	276	2	( <sup>2</sup> )
Michigan.....	117, 424	121, 678	5, 584	945	Alaska.....	1, 403	1, 405	81	6
Minnesota.....	78, 721	78, 687	5, 003	615	Canal Zone....	3, 216	4, 031	30	3
Mississippi....	33, 275	31, 361	3, 193	415	Hawaii.....	8, 109	7, 667	136	17
Missouri.....	99, 054	97, 723	7, 921	1, 127	Philippine Is-lands	3, 338	4, 047	119	46
Montana.....	16, 418	16, 773	622	101	Porto Rico....	13, 371	6, 344	1, 498	123
Nebraska.....	36, 970	37, 555	1, 722	251	Other U. S. pos-sessions	703	884	17	5
Nevada.....	2, 627	2, 772	76	12	Foreign coun-tries	19, 744	20, 232	3, 189	914
New Hamp-shire	11, 382	12, 023	709	124					
New Jersey....	101, 267	108, 910	5, 098	916					

<sup>1</sup> Includes cash payments to veterans, payments to dependents in 10 quarterly installments, and pay-ments to dependents \$50 or less.  
<sup>2</sup> Less than \$500.

No. 165.—VOCATIONAL REHABILITATION OF DISABLED VETERANS

	July 1						
	1921	1922	1923	1924	1925	1926	1927
Total number entered training to date.....	107, 172	152, 364	167, 815	173, 632	179, 747	180, 109	179, 358
Number whose training has ceased to date....	7, 785	23, 998	59, 958	123, 465	156, 810	178, 082	179, 120
Discontinued.....	2, 490	6, 283	16, 864	42, 989	48, 134	49, 071	48, 891
Deceased after induction.....	245	749	1, 329	1, 845	2, 068	1, 976	2, 030
Rehabilitated (sec. 2).....	4, 459	15, 321	38, 043	70, 936	97, 215	116, 512	117, 636
Completed (sec. 3).....	591	1, 645	3, 722	7, 695	9, 393	10, 523	10, 563
Number in training at date specified.....	85, 338	102, 108	80, 359	45, 347	21, 803	<sup>1</sup> 2, 027	185
Institutions.....	( <sup>1</sup> )	57, 805	39, 700	15, 492	5, 303	757	127
Placement.....	( <sup>1</sup> )	38, 246	36, 270	22, 074	12, 135	696	12
Veterans' Bureau vocational schools.....	5, 425	6, 057	4, 389	1, 599			
Project.....				4, 030	3, 270	496	
Correspondence courses.....				2, 078	1, 030	65	44
Tutorial.....				74	65	1	2
Number whose training had been interrupted..	14, 049	26, 258	27, 498	4, 820	1, 134	2, 027	53

<sup>1</sup> Not classified.  
<sup>2</sup> Includes 12 not classified. Due to legislative provisions, all trainees were interrupted as of July 1, 1926.  
Source of Tables 164 and 165: United States Veterans' Bureau.

**No. 166.—HOSPITALIZATION: UNITED STATES VETERANS' BUREAU BENEFICIARIES, YEARS ENDED JUNE 30**

Groups of hospitals	Capacity	Average daily patients, period of operation	Patients remaining at expiration of year				Personnel on duty at close of year	Operating expenses	Per diem cost
			Total	Tuberculosis	Neuro-psychiatric	General			
U. S. Veterans' Bureau hospitals:									
1923.....	18,693	12,264	10,429	4,773	3,438	2,218	9,889	\$21,839,009	\$4.91
1924.....	15,616	11,274	11,984	4,986	5,182	1,816	10,178	19,484,142	4.55
1925.....	20,504	15,855	15,743	6,013	7,433	2,297	12,818	23,354,485	4.04
1926.....	20,483	16,569	16,241	5,299	8,462	2,480	12,662	25,321,554	4.19
1927.....	20,640	17,305	16,911	5,023	9,081	2,807	12,653	25,282,431	4.00
1927									
U. S. Marine hospitals.....	225	188	205	9	1	195			
U. S. Army hospitals.....	2,587	1,835	1,739	490	143	1,106			
U. S. Navy hospitals.....	2,685	1,306	1,185	76	179	930			
National soldiers' homes.....	2,732	1,962	1,928	786	708	434			
Interior Department (St. Elizabeths).....	386	501	386		386				
Contract hospitals.....		2,961	2,964	572	2,250	142			

<sup>1</sup> Excludes hospitals which operated for only part of year under unnatural conditions.

<sup>2</sup> Represents only those hospital beds made available to patients of the U. S. Veterans' Bureau.

Source: United States Veterans' Bureau.

**No. 167.—CIVIL SERVICE RETIREMENT: OPERATIONS UNDER THE ACTS OF MAY 22, 1920, AND JULY 3, 1926, YEARS ENDED JUNE 30**

	1926	1927		1926	1927
Net gain in annuitants added to the roll.....	835	1,595	Number on the roll June 30—Continued.		
Male.....	737	1,473	By vocations:		
Female.....	98	122	Mechanics.....	2,946	3,195
Number dropped from roll...	1,010	1,170	City and village letter carriers.....	2,043	2,414
Number on the roll June 30...	12,524	14,119	Rural letter carriers.....	1,945	2,205
By sex:			Post-office clerks.....	1,077	1,222
Male.....	11,431	12,904	Railway mail clerks.....	1,049	1,132
Female.....	1,093	1,215	Departmental and other...	2,826	3,112
By cause of retirement:			Classified laborers.....	233	805
Age.....	10,277	11,353	Unclassified laborers.....	405	
Male.....	9,573	10,594	Tropical service and hazardous occupation.....		34
Female.....	704	759	By rates received: <sup>1</sup>		
Disability.....	2,247	2,766	Less than \$100.....		10
Male.....	1,858	2,310	Between \$100 and \$200.....		106
Female.....	389	456	Between \$200 and \$300.....		409
By departments:			Between \$300 and \$400.....		831
State.....	6	8	Between \$400 and \$500.....		1,765
Treasury.....	1,184	1,368	Between \$500 and \$600.....		1,560
War.....	1,332	1,485	Between \$600 and \$700.....		1,508
Justice.....	18	27	Between \$700 and \$800.....		1,528
Post office.....	6,424	7,342	Between \$800 and \$900.....		2,117
Navy.....	1,753	1,901	Between \$900 and \$999.96.....		1,545
Interior.....	628	647	The maximum, \$999.96.....		2,740
Agriculture.....	193	232	Average annuity.....	\$546	\$721
Commerce.....	116	140	Annual value, retirement roll.....	6,832,719	10,185,305
Labor.....	59	77	Civil service retirement and disability fund:		
District of Columbia.....	65	73	Receipts.....	20,173,691	27,168,463
Government Printing Office.....	506	531	Disbursements, total.....	10,210,465	13,400,708
Superintendent of Public Buildings and Parks.....	40	59	Annuities.....	6,766,601	9,598,286
U. S. Veterans' Bureau.....	22	32	Refunds.....	3,443,864	3,862,289
General Accounting Office.....	135	137	Balance in fund June 30...	54,629,005	68,336,761
Library of Congress.....	11	13	Administrative expense.....	73,667	75,977
All others.....	33	47			

<sup>1</sup> Comparable data for 1926 not available, due to changes in rates under the act of July 3, 1926.

Source: Commissioner of Pensions.

## No. 168.—EXECUTIVE CIVIL SERVICE AND THE MERIT SYSTEM

June 30--	Approximate number of employees	Approximate number of classified employees	June 30--	Approximate number of employees	Approximate number of classified employees	June 30--	Approximate number of employees	Approximate number of classified employees
1816	6,327		1895	189,000	54,222	1916	438,057	296,926
1821	8,211		1899	208,000	93,144	1918	917,760	642,432
1831	19,800		1901	256,000	100,205	1920	891,116	497,603
1841	23,700		1903	301,000	122,000	1921	697,482	448,112
1851	33,300		1905	346,000	171,897	1922	560,863	420,688
1861	49,200		1907	306,000	196,918	1923	548,531	411,398
1871	53,900		1909	370,000	234,940	1924	554,985	415,598
1881	107,000		1911	370,000	227,657	1925	564,716	423,538
1884 (Jan. 15)		13,780	1913	443,605	282,597	1926	560,705	422,300
1891	166,000	33,873	1915	461,993	292,296	1927	559,138	422,998

## No. 169.—EMPLOYEES IN THE FEDERAL EXECUTIVE CIVIL SERVICE

[NOTE.—Does not include legislative or judicial services nor the commissioned, warranted, or enlisted personnel of the military, naval, Marine Corps, or Coast Guard services. The government of the District of Columbia is also not included.]

Department or office	Total				Dec. 31, 1927					
	June 30, 1916	July 31, 1921	Dec. 31, 1925	Dec. 31, 1926	Total	In District of Columbia		Outside District of Columbia		
						Male	Female	Male	Female	
Total	438,057	597,482	548,077	546,341	554,175	35,741	24,919	438,788	54,787	
Department of State	2,783	3,723	4,205	4,270	4,375	200	294	2,284	1,507	
Department of the Treasury	30,629	73,230	52,607	51,519	51,949	6,223	8,349	30,650	6,727	
Department of War	37,695	68,544	38,975	37,076	38,775	2,079	1,790	31,584	3,522	
Department of Justice	2,610	3,081	3,711	3,671	3,700	499	232	2,393	636	
Post Office Department	250,885	248,575	304,092	308,164	310,101	3,150	866	279,510	26,535	
Department of the Navy	35,722	69,749	42,842	42,508	42,971	4,664	1,128	34,917	2,242	
Department of the Interior	19,347	19,705	13,125	12,201	13,570	2,242	1,267	7,906	2,155	
Department of Agriculture	18,736	19,179	20,098	20,624	21,335	2,826	1,975	14,274	2,260	
Department of Commerce	9,903	13,046	14,631	14,537	14,937	2,887	1,619	9,638	793	
Department of Labor	2,504	3,832	3,614	4,041	4,113	299	321	2,639	654	
Government Printing Office	4,028	4,464	3,964	4,142	4,076	3,212	664			
Smithsonian Institution	784	487	483	488	498	308	130			
Interstate Com. Com'n	2,243	1,919	1,753	1,858	1,999	1,062	337	566	15	
Civil Service Commission	230	383	458	444	510	179	210	73	57	
Bureau of Efficiency	27	55	47	51	67	47	20			
Federal Trade Commission	238	318	330	302	286	199	87			
Shipping Board <sup>1</sup>		6,575	1,680	1,551	1,680	491	342	608	251	
Alien Property Custodian		162	232	233	194	108	91			
Tariff Commission		99	198	231	205	119	76	8	2	
Employees' Comp. Com'n		79	60	68	85	25	60			
Fed. Bd. for Voc. Education		6,411	72	69	69	35	36			
The Panama Canal	19,291	9,355	9,787	9,690	10,147	60	14	9,585	488	
Public Buildings and Parks of the National Capital	217	1,229	2,191	2,274	2,211	1,683	528			
General Accounting Office		1,544	1,971	1,984	1,949	1,194	755			
Veterans' Bureau			26,105	23,587	23,518	1,498	3,319	11,678	7,023	
Railroad Administration <sup>2</sup>		1,327	174	95	■	22	12			
War Finance Corporation <sup>3</sup>		( <sup>4</sup> )	206	106	65	18	8	26	13	
National Advisory Committee for Aeronautics		( <sup>5</sup> )	141	184	187	13	15	152	7	
Federal Reserve Board <sup>4</sup>	( <sup>5</sup> )	( <sup>5</sup> )	193	204	202	97	85	20		
Board of Tax Appeals			104	109	154	69	85			
Miscellaneous	165	322	47	84	83	69	14			
Total	438,057	597,482	548,077	546,341	554,175	35,741	24,919	438,788	54,787	
In District of Columbia	49,442	117,760	78,865	66,079	61,509	61,509	59,569	60,600		
Outside District of Columbia	388,615	480,000	518,817	489,540	480,586	480,586	486,772	492,515		

<sup>1</sup> Does not include clerks at fourth-class offices (34,407 in 1927), who are employed and paid by the postmaster, and mail messengers (22,235 in 1927), because not included in previous computations.

<sup>2</sup> Approximated

<sup>3</sup> Figures include administrative offices of Emergency Fleet Corporation but not workmen at shipyards or in warehouses or employees on vessels

<sup>4</sup> Positions not subject to the civil service act

<sup>5</sup> Separate figures not available. Included in miscellaneous.

Source of Tables 168 and 169: The Civil Service Commission.



**No. 170.—CIVIL SERVICE: NUMBER OF PERSONS EXAMINED BY THE CIVIL SERVICE COMMISSION, NUMBER AND PER CENT WHO PASSED, NUMBER APPOINTED, AND APPROXIMATE NUMBER OF COMPETITIVE POSITIONS**

Year ended June 30—	Total					Post office service <sup>1</sup>				Railway Mail Service <sup>2</sup>				All other services					
	Classi- fied com- petitive posi- tions <sup>3</sup>	Exam- ined	Passed	Per cent that passed	Ap- pointed	Per cent ap- pointed of those that passed	Classi- fied com- petitive posi- tions <sup>4</sup>	Exam- ined	Passed	Ap- pointed	Classi- fied com- petitive posi- tions <sup>5</sup>	Exam- ined	Passed	Ap- pointed	Classi- fied com- petitive posi- tions <sup>6</sup>	Exam- ined	Passed	Ap- pointed	
1885	15,560	6,347	4,141	65.2	1,800	43.5	7,500	3,233	2,202	1,240	5,856	4,453	3,129	1,400	8,000	3,114	1,879	561	
1890	30,626	22,994	13,947	60.7	6,182	37.2	13,067	11,193	6,904	2,850	7,045	4,641	3,107	643	11,693	7,338	3,914	923	
1895	48,317	31,036	19,811	63.6	4,793	24.2	25,000	19,438	12,802	3,348	8,086	4,641	3,844	730	16,272	9,937	5,902	903	
1900	94,893	46,002	34,965	75.0	9,889	28.3	37,000	16,584	11,447	3,931	8,006	4,488	3,844	730	49,197	25,530	19,674	4,223	
1904	154,083	127,846	100,078	78.3	48,909	48.8	71,098	32,771	39,961	21,022	11,201	6,398	4,116	1,678	71,094	66,637	50,002	26,209	
1905	171,807	143,033	111,741	78.1	38,066	34.0	81,596	32,560	41,978	16,207	12,171	6,972	4,213	1,558	78,040	83,531	66,545	21,141	
1906	184,178	147,277	121,345	77.9	39,050	32.7	89,202	48,302	37,918	17,121	13,456	6,620	4,085	2,173	81,520	62,355	48,948	19,768	
1907	196,918	159,317	133,920	72.6	43,023	45.8	96,866	51,023	37,771	16,466	14,212	6,666	4,085	2,051	86,640	71,720	52,064	24,496	
1908	208,638	161,793	120,760	74.6	42,153	34.9	102,127	52,363	37,850	12,169	15,230	9,674	5,909	1,607	89,281	98,766	76,911	28,377	
1909	234,940	186,464	123,449	77.9	40,943	33.2	122,711	57,668	46,468	11,441	15,967	15,724	11,236	1,922	96,262	85,192	66,645	28,110	
1910	222,276	175,644	127,760	73.9	43,585	49.7	126,131	37,283	30,176	11,812	16,956	15,724	11,236	2,271	79,191	78,339	57,500	29,402	
1911	227,657	165,024	130,159	66.8	23,266	33.2	127,228	42,750	34,149	9,326	17,428	8,972	6,703	1,962	83,001	53,302	29,200	11,940	
1912	217,302	166,078	125,251	65.9	20,969	33.4	116,905	40,256	26,133	8,706	18,267	11,373	3,088	1,270	83,190	64,549	30,082	11,403	
1913	282,597	141,905	94,390	66.6	36,154	37.2	101,940	59,181	39,810	14,905	19,620	15,340	9,616	1,770	101,131	64,394	44,984	18,979	
1914	292,463	215,587	147,632	68.4	41,935	28.4	106,646	103,678	76,267	19,606	22,679	27,064	19,005	2,941	104,186	84,245	51,604	19,358	
1915	292,295	197,793	114,632	58.3	41,935	31.6	106,328	70,734	52,586	13,682	21,769	33	17	140	104,190	97,028	62,029	22,670	
1916	296,926	184,722	113,960	73.7	42,067	36.9	106,375	72,122	55,614	17,729	20,989	1	1	28	109,562	92,599	58,385	24,300	
1917	326,899	212,114	156,927	74.0	86,312	53.0	167,639	51,416	38,580	14,669	21,191	13,975	10,433	43	138,059	146,723	107,934	66,700	
1918	642,432	551,391	387,953	70.4	213,530	55.0	188,201	56,268	41,309	29,572	20,538	2,927	1,867	8,207	433,003	492,196	344,787	175,001	
1919	699,745	438,269	296,828	68.4	188,533	44.5	190,061	58,450	41,433	26,949	20,833	9,930	6,480	1,291	358,831	369,876	251,904	102,208	
1920	497,603	293,327	193,916	64.1	116,309	60.0	196,449	58,922	39,607	17,181	21,717	12,868	7,571	4,269	279,437	221,539	146,007	94,859	
1921	448,112	303,409	203,209	67.0	101,711	60.1	205,362	114,003	74,977	32,601	22,820	16,803	9,849	6,044	220,440	173,473	116,563	63,066	
1922	420,889	290,007	128,952	62.6	63,867	49.5	209,533	70,120	43,084	25,186	22,327	12,868	8,604	910	186,928	122,997	76,274	37,771	
1923	411,398	294,200	122,918	60.2	57,694	46.9	212,078	61,122	40,583	22,286	22,052	23,642	12,512	906	177,208	119,436	69,523	34,410	
1924	415,593	222,915	133,506	59.9	68,287	51.1	222,278	77,662	52,576	27,237	22,073	25,510	10,969	2,129	171,244	119,543	69,962	38,921	
1925	423,638	291,415	122,496	60.8	50,164	40.9	226,801	77,978	50,647	20,600	22,340	25,510	10,969	2,129	171,244	119,543	69,962	38,921	
1926	422,300	292,846	105,064	52.3	36,992	34.9	230,021	86,835	42,591	18,561	22,340	113	87	280	169,639	112,808	63,286	20,151	
1927	422,998	251,875	122,856	48.8	38,777	31.3	232,244	98,423	45,080	17,560	22,261	29,677	15,717	706	168,473	123,775	62,061	20,509	
Total from July 16, 1883.	5,592,366	2,752,663	1,752,663	61.7	1,405,227	61.7	1,853,359	1,258,470	327,267	202,976	58,406	327,267	202,976	58,406	327,267	202,976	58,406	327,267	58,406

<sup>1</sup> Includes clerks and carriers at classified post offices, rural carriers, and fourth-class postmasters.

<sup>2</sup> At close of year or period; approximated.

<sup>3</sup> The large increase in field service figures for 1913 is due to the inclusion of navy-yard artificers' positions to the number of about 16,000 in the competitive classified service.

<sup>4</sup> 11,636 fourth-class postmasters, appointed in 1914 and 18,236 in 1915, under the Executive order of May 7, 1912, requiring examinations at offices whose incumbents have not been appointed under the regulations, are not included in this table.

<sup>5</sup> Excluding 3 examinations not yet rated.

Source: The Civil Service Commission.

<sup>6</sup> Railway mail clerks, classified May 1, 1898.

<sup>7</sup> Jan. 16, 1884, to Jan. 15, 1885.

# No. 171.—POPULAR VOTE FOR PRESIDENTIAL ELECTORS: BY PRINCIPAL POLITICAL PARTIES, TOTALS, 1888 TO 1924, AND BY STATES, 1924

[NOTE.—The column "miscellaneous independent" represents so-called independent, progressive, and farmer-labor parties variously designated as follows: 1888, Union Labor Party; 1892, 1900, and 1904, Populist; 1896, National Democrat; 1908, Populist and Independent; 1912 and 1916, Progressive; 1920, Farmer-Labor. In 1924, column represents votes for La Follette-Wheeler electors, variously designated under party names as Independent Progressive, Progressive, Socialist, Socialist and Independent, Farmer-Labor, etc.]

State	Republican	Democrat	Socialist	Miscellaneous independent	Prohibition	Total <sup>1</sup>
1888.....	5,444,337	5,540,050	.....	146,897	250,124	11,381,408
1892.....	5,190,802	5,554,414	.....	1,027,329	271,058	12,043,603
1896.....	7,035,638	4,467,946	28,454	131,529	141,676	13,813,243
1900.....	7,219,530	4,358,071	127,819	50,232	209,106	13,964,518
1904.....	7,028,834	5,084,491	436,184	114,753	259,257	13,523,519
1908.....	7,879,006	6,409,106	434,645	111,093	252,683	14,887,123
1912.....	8,483,922	6,286,214	926,090	4,126,020	208,923	15,031,169
1916.....	8,538,221	6,129,006	598,516	41,894	220,506	18,528,743
1920.....	16,152,200	9,147,353	919,799	203,411	189,408	26,674,171
1924.....	15,725,003	8,385,586	27,650	4,826,471	57,551	29,022,261
Alabama.....	45,005	112,966	.....	8,084	569	166,624
Arizona.....	30,516	26,235	.....	17,210	.....	73,961
Arkansas.....	40,664	84,795	.....	13,173	.....	138,532
California.....	733,250	105,514	.....	424,649	18,365	1,281,778
Colorado.....	195,171	75,238	378	69,945	966	341,698
Connecticut.....	246,322	110,184	1,373	42,416	.....	400,295
Delaware.....	52,441	33,445	.....	4,979	.....	90,865
Florida.....	30,633	62,083	.....	8,625	5,496	106,839
Georgia.....	80,300	123,200	.....	12,691	281	166,422
Idaho.....	69,679	24,256	.....	54,160	.....	148,295
Illinois.....	1,453,321	676,975	2,334	432,027	2,367	2,467,024
Indiana.....	708,042	492,345	.....	71,700	4,416	1,271,403
Iowa.....	537,635	162,600	.....	272,243	.....	972,478
Kansas.....	407,671	156,819	.....	98,461	.....	662,451
Kentucky.....	398,966	374,855	1,499	28,465	.....	813,785
Louisiana.....	24,670	93,218	.....	.....	.....	117,888
Maine.....	138,440	41,964	406	11,382	.....	192,192
Maryland.....	162,414	148,072	987	47,167	.....	358,640
Massachusetts.....	703,476	280,831	1,668	141,284	.....	1,127,259
Michigan.....	874,631	152,359	5,330	122,014	6,065	1,160,419
Minnesota.....	420,759	55,913	.....	239,192	.....	815,864
Mississippi.....	8,546	100,475	.....	3,494	.....	112,615
Missouri.....	648,486	672,753	909	84,160	1,418	1,307,726
Montana.....	74,138	33,806	.....	65,876	.....	173,819
Nebraska.....	216,585	137,289	.....	106,701	1,594	464,169
Nevada.....	11,243	5,909	.....	9,769	.....	26,921
New Hampshire.....	98,575	57,201	.....	8,993	.....	164,769
New Jersey.....	676,277	298,043	.....	109,028	1,060	1,085,008
New Mexico.....	54,745	48,542	.....	9,543	.....	112,830
New York.....	1,820,058	960,796	9,928	474,925	.....	3,255,707
North Carolina.....	191,753	284,370	.....	5,697	13	482,733
North Dakota.....	94,931	13,858	.....	89,922	.....	198,711
Ohio.....	1,174,130	477,888	.....	357,948	1,246	2,013,212
Oklahoma.....	226,242	255,798	.....	41,141	.....	523,181
Oregon.....	142,579	67,569	917	68,403	.....	279,468
Pennsylvania.....	1,401,481	409,192	.....	307,567	9,779	2,128,019
Rhode Island.....	125,286	76,606	268	7,628	.....	209,788
South Carolina.....	1,123	49,008	.....	620	.....	50,751
South Dakota.....	101,299	27,214	.....	74,355	.....	203,868
Tennessee.....	130,882	168,537	.....	10,666	100	300,175
Texas.....	130,023	483,586	.....	42,881	.....	656,490
Utah.....	77,327	47,001	.....	32,662	.....	156,990
Vermont.....	80,498	16,124	.....	5,964	326	102,913
Virginia.....	73,359	139,797	191	10,379	.....	223,726
Washington.....	220,224	42,842	1,004	150,727	.....	414,797
West Virginia.....	288,635	257,232	.....	86,723	.....	582,590
Wisconsin.....	311,614	68,096	458	453,678	2,916	836,764
Wyoming.....	41,858	12,868	.....	25,174	.....	79,900

<sup>1</sup> Figures do not include votes cast for names not appearing on any of the electoral tickets specified in the table. In 1924 votes by parties other than those shown above were as follows: Workers, 36,286 votes (out in 15 States); American, 23,967 (7 States); Commonwealth Land, 1,262 votes (5 States); Industrialist, 636 votes (1 State)

<sup>2</sup> Democrat-Populist

<sup>3</sup> Socialist-Labor.

<sup>4</sup> Socialist and Socialist-Labor.

<sup>5</sup> Socialist Labor only. Practically all of the Socialist vote is included in votes shown in next column for La Follette and Wheeler, official candidates of the Socialist party as well as the Independent Progressive.

<sup>6</sup> See headnote and footnote 5.

Sources: 1888 to 1920, reports of State officials on file in the Department of State; 1924, data compiled by William Tyler Page, Clerk of the House of Representatives.

**No. 172.—ELECTORAL VOTE FOR PRESIDENT: BY PRINCIPAL POLITICAL PARTIES AND BY STATES, 1904 TO 1924**

[NOTE.—In 1924, the 12 electoral votes of Wisconsin were cast for La Follette and Wheeler, Independent Progressive candidates.]

State	1904		1908		1912			1916		1920		1924	
	Republican	Democratic	Republican	Democratic	Republican	Democratic	Progressive	Republican	Democratic	Republican	Democratic	Republican	Democratic
<b>Total</b> .....	<b>336</b>	<b>140</b>	<b>331</b>	<b>163</b>	<b>9</b>	<b>435</b>	<b>88</b>	<b>264</b>	<b>277</b>	<b>404</b>	<b>127</b>	<b>269</b>	<b>136</b>
<b>Plurality</b> .....	<b>196</b>		<b>159</b>			<b>247</b>			<b>23</b>	<b>277</b>		<b>246</b>	
Alabama		11		11		12			12		12		12
Arizona						3			3	3		3	
Arkansas		9		9		9			9		9		9
California	10		10		2	11		13	13			13	
Colorado	5			5		6			6	6		6	
Connecticut	7		7			7		7		7		7	
Delaware	3		3			3		3		3		3	
Florida		5		5		6			6		6		6
Georgia		13		13		14			14		14		14
Idaho	3		3			4			4	4		4	
Illinois	27		27			29		29		29		29	
Indiana	15		15			15		15		15		15	
Iowa	13		13			13		13		13		13	
Kansas	10		10			10			10	10		10	
Kentucky		13		13		13			13		13		13
Louisiana		9		9		10			10		10		10
Maine	6		6			6		6		6		6	
Maryland	1	7	2	6		8		8	8			8	
Massachusetts	16		16			18		18		18		18	
Michigan	14		14				15	15		15		15	
Minnesota	11		11				12	12		12		12	
Mississippi		10		10		10			10		10		10
Missouri	18		18			18			18	18		18	
Montana	3		3			4			4	4		4	
Nebraska	8			8		8			8	8		8	
Nevada	3			3		3			3	3		3	
New Hampshire	4		4			4			4	4		4	
New Jersey	12		12			14		14		14		14	
New Mexico						3			3	3		3	
New York	39		39			45		45		45		45	
North Carolina		12		12		12			12		12		12
North Dakota	4		4			5			5	5		5	
Ohio	23		23			24			24	24		24	
Oklahoma				7		10			10				10
Oregon	4		4			5		5		5		5	
Pennsylvania	34		34				38	38		38		38	
Rhode Island	4		4			5		5		5		5	
South Carolina		9		9		9			9		9		9
South Dakota	4		4				5	5		6		5	
Tennessee		12		12		12			12	12			12
Texas		18		18		20			20		20		20
Utah	3		3		4				4	4		4	
Vermont	4		4		4			4		4		4	
Virginia		12		12		12			12		12		2
Washington	5		5				7		7	7		7	
West Virginia	7		7			8		7	1	6		8	
Wisconsin	13		13			13		13		13		(1)	(1)
Wyoming	3		3			3			3	3		3	

<sup>1</sup> See headnote.

Sources: 1904 to 1920, Journal of the Senate, Washington, D. C.; 1924, data compiled by William Tyler Page, Clerk of the House of Representatives.

## No. 173.—APPORTIONMENT OF CONGRESSIONAL REPRESENTATION

[NOTE.—The ratio given at the head of each column indicates the number of inhabitants per Member of the House of Representatives fixed by Congress as the basis of determining the number of Representatives per State. No apportionment under Census of 1920.]

State	Ratios under Constitution and censuses													
	Constitution	1790	1800	1810	1820	1830	1840	1850 (1)	1860 (2)	1870 (3)	1880	1890	1900	1910
	80,000	33,000	33,000	35,000	40,000	47,700	70,860	93,423	127,381	131,425	151,911	173,801	194,182	211,577
Representation														
Total.....	■	106	143	186	312	342	332	237	243	253	232	207	201	236
Alabama.....				+1	3	5	7	7	6	8	8	9	9	10
Arizona.....														+1
Arkansas.....						+1	1	2	3	4	5	6	7	7
California.....							+2	2	3	4	6	7	8	11
Colorado.....										+1	1	2	3	4
Connecticut.....	5	7	7	7	6	6	4	4	4	4	4	4	5	5
Delaware.....	1	1	1	2	1	1	1	1	1	1	1	1	1	1
Florida.....							+1	1	1	2	2	2	3	4
Georgia.....	3	2	4	6	7	9	8	8	7	9	10	11	11	12
Idaho.....											+1	1	1	2
Illinois.....				+1	1	3	7	9	14	19	20	22	25	27
Indiana.....				+1	3	7	10	11	11	13	13	13	13	13
Iowa.....							+2	2	5	9	11	11	12	11
Kansas.....									1	3	7	8	8	6
Kentucky.....		2	6	10	12	13	10	10	9	10	11	11	11	11
Louisiana.....				+1	3	3	4	4	5	6	6	6	7	8
Maine.....				+7	7	8	7	6	5	5	4	4	4	4
Maryland.....	6	6	9	9	9	8	6	5	5	6	6	6	6	6
Massachusetts.....	8	14	17	13	13	12	10	11	10	11	12	12	14	16
Michigan.....						+1	3	4	6	9	11	12	12	12
Minnesota.....								+2	2	3	5	7	9	10
Mississippi.....				+1	1	2	4	5	5	6	7	7	8	8
Missouri.....					1	2	6	7	9	13	14	15	16	18
Montana.....											+1	1	1	2
Nebraska.....									+1	1	3	6	6	6
Nevada.....									+1	1	1	1	1	1
New Hampshire.....	3	4	5	6	6	5	4	3	3	3	2	2	2	2
New Jersey.....	4	5	6	6	6	6	6	5	5	7	7	8	10	12
New Mexico.....														+1
New York.....	6	10	17	27	34	40	34	33	31	33	34	34	37	42
North Carolina.....	5	10	12	13	13	13	9	8	7	8	9	9	10	10
North Dakota.....											+1	1	2	3
Ohio.....				+1	6	14	19	21	19	20	21	21	21	22
Oklahoma.....													+5	8
Oregon.....								+1	1	1	1	2	2	3
Pennsylvania.....	5	13	18	23	26	28	24	25	24	27	28	30	32	35
Rhode Island.....	1	2	2	2	2	2	2	2	2	2	2	2	2	2
South Carolina.....	5	6	8	9	9	9	7	6	4	5	7	7	7	7
South Dakota.....											+2	2	2	3
Tennessee.....		+1	3	6	9	13	11	10	8	10	■	10	10	10
Texas.....							+2	2	4	6	11	13	16	18
Utah.....												+1	1	2
Vermont.....		2	4	6	5	5	4	3	3	3	2	2	2	2
Virginia.....	10	19	22	23	22	21	15	13	11	9	10	10	10	10
Washington.....											+1	2	3	6
West Virginia.....										3	4	4	5	6
Wisconsin.....							+2	3	6	8	9	10	11	11
Wyoming.....											+1	1	1	1

<sup>1</sup> Membership increased from 233 to 234 by act of July 30, 1852. (10 Stat. L., 25.)

<sup>2</sup> Membership increased from 233 to 241 by act of Mar. 4, 1862. (12 Stat. L., 353.)

<sup>3</sup> Membership originally fixed at 233 but increased by act of May 30, 1872, to 292. (17 Stat. L., 192.)

<sup>4</sup> Assigned after apportionment.

<sup>5</sup> Included in apportionment act in anticipation of its becoming a State.

<sup>6</sup> Included in the 20 Members originally assigned to Massachusetts, but credited to Maine, after its admission as a State, Mar. 15, 1820. (3 Stat. L., 535.)

Source: Reports of the Bureau of the Census, Department of Commerce.

## 9. NATIONAL GOVERNMENT FINANCES

### No. 174.—RECEIPTS AND EXPENDITURES OF THE GOVERNMENT

[NOTE.—In thousands of dollars. Figures are on the basis of warrants issued (net) and expenditures include unexpended balances to the credit of disbursing officers at the end of the year but not expenditures made from unexpended balances of the previous year. On this account and because of certain adjustments, principally in the cash receipts credited directly against expenditures, figures on a warrant basis may differ from those on a cash basis. Under normal conditions, disbursing officers' balances fluctuate very little and other adjustments are small, but during the war period and during the liquidation of war corporations, etc., the differences between the figures on the two bases may be marked (for adjustments in 1926 and 1927, see pp. 167 and 171). Figures do not include postal revenues and expenditures except surpluses or deficiencies.]

Yearly average or year ended June 30—	Ordinary receipts	Ordinary expenditures	Public-debt retirements chargeable against ordinary receipts	Surplus (+) or deficit (—), ordinary	Public-debt retirements, not chargeable against ordinary receipts <sup>1</sup>	Public-debt receipts, proceeds of bonds, and other securities <sup>1</sup>
1791-1800	6,765	6,835		-70	2,394	2,720
1801-1810	13,055	9,066		+3,989	4,261	<sup>2</sup> 206
1811-1820	21,032	23,942		-2,910	8,325	11,006
1821-1830	21,923	16,161		+5,762	6,780	<sup>3</sup> 1,500
1831-1840	30,460	24,494		+5,966	<sup>4</sup> 5,932	<sup>5</sup> 2,516
1841-1850	27,117	32,392		5,275	6,762	<sup>6</sup> 12,559
1851-1860	60,237	60,162		+75	7,698	7,306
1861-1865	160,907	683,785		-522,878	264,361	776,719
1866-1870	447,300	377,642		+69,658	377,607	830,508
1871-1875	836,830	287,459		+49,370	148,818	89,352
1876-1890	288,124	255,598		+32,526	238,662	227,036
1890	333,527	267,643		+65,884	280,435	73,066
1891	360,782	260,713		+100,069	66,111	678
1892	403,525	257,981		+145,544	166,505	235
1893	398,268	265,408		+132,879	438,431	304,373
1894	348,520	244,126		+104,394	101,266	1,406
1895	323,691	260,227		+63,464	46,043	66
1896	336,440	242,483		+93,957	44,584	40
1897	371,403	267,932		+103,471	127,959	41
1898	379,266	267,925		+111,341	74,662	49
1899	387,060	299,289		+87,761	121,289	24
1900	403,061	318,041		+85,040	104,664	29
1901	392,612	365,774		+26,839	101,003	14
1902	354,938	345,023		+9,914	24,348	16
1903	385,820	383,478		+2,342	710	33
1904	306,355	367,525		-61,170	256	50,014
1905	324,729	356,195		-31,466	2,495	61,166
1906	338,142	352,179		-14,037	7,294	131,169
1907	347,722	365,774		-18,052	11,379	3
1908	406,321	443,369		-38,047	29,942	6
1909	515,961	605,072		-89,112	14,622	199,201
1900	567,241	520,861		+46,380	22,790	118
1901	567,685	524,617		+43,068	36,113	4
1902	562,478	485,234		+77,244	56,224	2
1903	561,881	517,006		+44,875	16,609	2
1904	541,087	583,660		-42,573	18,623	2
1905	544,275	567,279		-23,004	665	2
1906	594,984	570,202		+24,782	245	2
1907	665,860	579,129		+86,732	30,373	30,006
1908	601,862	659,196		-57,334	34,357	40,068
1909	604,320	693,744		-89,423	15,435	30,000
1910	675,512	693,617		-18,105	761	
1911	701,833	691,202		+10,631		17,642
1912	692,609	680,881		+2,728	121	32,819
1913	724,111	724,512		-401	103	1,930
1914	734,673	735,061		-408	109	3,119
1915	697,911	760,587		-62,676	48	934
1916	782,535	741,997		+40,538	36	1,804
1917	1,124,325	2,066,042		-961,717	636,961	2,390,725
1918	4,180,425	13,791,908		-9,611,483	7,685,268	16,964,610
1919	4,654,381	18,952,141		-14,297,760	15,813,848	29,053,332
1920	6,704,414	6,141,745		+562,669	17,013,020	15,835,274
1921	6,584,517	4,468,713	422,562	<sup>7</sup> +693,242	8,721,752	8,824,739
1922	4,103,567	3,195,685	422,353	<sup>8</sup> +485,559	6,500,565	5,910,931
1923	3,847,046	3,244,717	402,958	<sup>9</sup> +199,371	7,486,748	7,259,181
1924	3,884,041	2,946,401	457,894	<sup>10</sup> +479,746	2,814,714	2,178,676
1925	3,607,644	2,164,169	468,538	<sup>11</sup> +676,937	3,351,799	3,047,016
1926	3,908,458	3,036,387	487,376	<sup>12</sup> +390,694	3,339,670	2,986,134
1927	4,023,722	2,897,145	519,564	<sup>13</sup> +607,022	5,770,467	5,157,255

<sup>1</sup> Exclusive of the deposits made by banks to retire national bank and Federal reserve notes and of payments made from this fund to retire such notes; these are in the nature of fiduciary transactions. Both columns include conversion transactions.

<sup>2</sup> Averages are for entire 10-year period though there were no receipts or retirements certain years.

<sup>3</sup> After taking account of public-debt retirement expenditures chargeable against ordinary receipts.

Source: Annual Report of the Secretary of the Treasury.

## No. 175.—ORDINARY RECEIPTS OF THE GOVERNMENT: BY MAJOR SOURCES

[NOTE.—In thousands of dollars. Figures are on basis of warrants issued (net), see headnote, Table 174]

Yearly average or year ended June 30—	Total ordinary receipts	Customs	Internal revenue		Sales of public lands	Surplus postal receipts	Miscella- neous receipts
			Income and profits tax	Miscella- neous			
1791-1800.....	6,765	5,940	-----	444	<sup>1</sup> 10	<sup>1</sup> 36	334
1801-1810.....	13,055	12,046	-----	201	456	<sup>1</sup> 22	329
1811-1820.....	21,032	16,383	-----	1,544	1,623	50	1,429
1821-1830.....	21,923	19,852	-----	31	1,388	( <sup>2</sup> )	649
1831-1840.....	30,460	20,470	-----	5	7,452	( <sup>2</sup> )	2,533
1841-1850.....	27,117	24,366	-----	<sup>1</sup> 1	1,980	-----	768
1851-1860.....	60,237	54,498	-----	-----	4,582	-----	1,156
1861-1865.....	160,907	68,988	<sup>3</sup> 28,006	<sup>1</sup> 27,283	555	-----	19,994
1866-1870.....	447,300	178,903	50,608	171,315	2,109	-----	44,368
1871-1875.....	336,830	186,200	7,760	112,217	2,223	-----	28,429
1876.....	294,096	148,072	1	116,700	1,129	-----	28,194
1877.....	281,406	130,956	( <sup>2</sup> )	118,630	976	-----	30,843
1878.....	257,764	130,171	-----	110,582	1,080	-----	15,932
1879.....	273,827	137,250	-----	113,562	925	-----	22,091
1880.....	333,527	186,522	-----	124,009	1,017	-----	21,979
1881.....	360,782	198,160	3	135,261	2,202	-----	25,156
1882.....	403,525	220,411	-----	146,498	4,753	-----	31,864
1883.....	398,288	214,706	-----	144,720	7,956	-----	30,905
1884.....	348,520	195,067	56	121,530	9,811	-----	22,056
1885.....	323,691	181,472	-----	112,499	5,706	-----	24,014
1886.....	336,440	192,905	-----	116,806	5,631	-----	21,098
1887.....	371,403	217,287	-----	118,823	9,254	-----	26,039
1888.....	379,266	219,091	-----	124,297	11,202	-----	24,676
1889.....	387,050	223,833	-----	130,882	8,039	-----	24,297
1890.....	403,081	229,669	-----	142,607	6,358	-----	24,447
1891.....	392,612	219,522	-----	145,687	4,030	-----	23,374
1892.....	354,938	177,453	-----	153,971	3,262	-----	20,252
1893.....	385,820	203,355	-----	161,028	3,182	-----	18,255
1894.....	306,355	131,819	-----	147,111	1,674	-----	25,752
1895.....	324,729	152,159	77	143,345	1,103	-----	28,046
1896.....	338,142	160,022	-----	146,763	1,006	-----	30,352
1897.....	347,722	176,554	-----	146,689	865	-----	23,614
1898.....	405,321	149,575	-----	170,901	1,243	-----	83,603
1899.....	515,961	206,128	-----	273,437	1,678	-----	34,717
1900.....	567,241	233,165	-----	295,328	2,837	-----	35,911
1901.....	587,685	238,585	-----	307,181	2,965	-----	38,954
1902.....	562,478	254,445	-----	271,880	4,144	-----	32,009
1903.....	561,881	284,480	-----	230,810	8,926	-----	37,665
1904.....	541,087	261,275	-----	232,904	7,453	-----	39,455
1905.....	544,275	261,799	-----	234,096	4,859	-----	43,521
1906.....	594,984	300,252	-----	249,150	4,880	-----	40,703
1907.....	665,860	332,233	-----	269,667	7,879	-----	56,081
1908.....	601,862	286,113	-----	251,711	9,732	-----	54,306
1909.....	604,320	300,712	-----	246,213	7,701	-----	49,695
1910.....	675,512	333,683	20,952	268,982	6,356	-----	45,539
1911.....	701,833	314,497	33,517	289,012	5,732	-----	59,075
1912.....	692,609	311,322	28,583	293,029	5,393	-----	54,283
1913.....	724,111	318,891	35,006	309,411	2,910	-----	57,893
1914.....	734,673	292,320	71,381	308,660	2,572	3,800	55,940
1915.....	697,911	209,787	80,202	335,468	2,167	3,500	66,787
1916.....	782,535	213,186	124,937	387,765	1,888	-----	54,759
1917.....	1,124,325	225,962	359,681	449,685	1,893	5,200	81,903
1918.....	4,180,425	182,759	2,839,000	857,044	1,969	<sup>4</sup> 48,631	<sup>4</sup> 251,023
1919.....	4,654,381	183,429	2,600,763	1,239,468	1,405	<sup>4</sup> 89,906	<sup>4</sup> 539,411
1920.....	6,704,414	323,537	3,956,936	1,442,213	1,910	<sup>4</sup> 5,213	<sup>4</sup> 974,605
1921.....	5,584,517	308,025	3,228,138	1,351,836	1,530	-----	694,988
1922.....	4,103,597	357,545	2,086,918	1,121,240	895	81	536,917
1923.....	3,847,046	562,189	1,691,090	935,700	657	-----	657,411
1924.....	3,884,041	545,012	1,841,759	952,531	522	-----	544,217
1925.....	3,607,644	548,522	1,761,659	827,787	624	-----	469,053
1926.....	3,908,458	579,717	1,974,104	862,668	754	-----	491,215
1927.....	4,023,722	605,672	2,219,952	648,732	621	-----	548,743

<sup>1</sup> Averages are for entire 10-year period though there were no receipts under these items certain years.<sup>2</sup> Less than \$500.<sup>3</sup> Average for 1863 to 1865.<sup>4</sup> Estimated increased postage under act of Oct. 3, 1917, included in "Surplus postal receipts."

Source: Annual Report of the Secretary of the Treasury.

## No. 176.—ORDINARY EXPENDITURES OF THE GOVERNMENT: BY MAJOR CLASSES

[NOTE.—In thousands of dollars. Figures are on basis of warrants issued (net), see headnote, Table 174.]

Yearly average or year ended June 30—	Total ordinary expendi- tures	Civil and miscel- laneous <sup>1</sup>	War Depart- ment <sup>1</sup>	Navy Depart- ment <sup>1</sup>	Indians	Pensions <sup>2</sup>	Postal defi- ciencies <sup>3</sup>	Interest on the public debt
1791-1800	4,635	980	1,732	482	31	97		3,111
1801-1810	9,086	1,870	1,632	1,636	144	78		3,703
1811-1820	23,942	2,589	10,742	4,675	317	741		4,877
1821-1830	16,161	3,144	3,918	3,295	690	1,247		3,956
1831-1840	24,494	5,616	8,321	5,041	2,612	2,572		4,881
1841-1850	32,392	7,452	12,815	7,237	1,384	1,700	4185	1,615
1851-1860	60,162	21,232	15,784	11,996	2,266	1,531	2,574	2,776
1861-1865	663,785	25,894	547,752	65,329	3,203	4,858	2,146	34,000
1866-1870	377,642	54,524	127,815	28,382	4,488	23,426	3,562	135,440
1871-1875	287,469	69,182	40,186	23,328	7,504	30,166	5,544	111,580
1876	265,101	68,507	38,071	18,963	5,967	26,257	5,093	100,243
1877	241,334	52,756	37,063	14,960	5,277	27,964	6,170	97,125
1878	236,984	47,424	32,154	17,265	4,629	27,137	5,753	102,501
1879	268,948	60,968	40,426	15,125	5,206	35,121	4,774	105,328
1880	267,643	54,428	38,117	13,537	5,945	66,777	3,071	95,758
1881	260,713	61,582	40,466	15,667	5,514	50,069	3,896	82,509
1882	257,981	57,220	43,570	15,032	9,737	51,345		71,077
1883	265,406	68,604	48,911	15,263	7,363	66,013	75	59,160
1884	244,126	70,920	39,430	17,293	6,476	55,429		54,578
1885	260,227	82,953	42,671	16,021	6,552	56,102	4,542	51,386
1886	242,483	65,972	34,324	13,906	6,099	63,406	8,194	50,580
1887	267,932	78,784	38,561	15,141	6,195	75,029	6,501	47,742
1888	267,925	78,167	38,522	16,926	6,249	80,289	3,056	44,715
1889	299,269	94,068	44,435	21,379	6,892	87,635	3,869	41,001
1890	318,041	94,832	44,583	22,006	6,708	106,937	6,875	36,009
1891	365,774	115,708	48,720	26,114	8,527	124,416	4,742	37,547
1892	345,023	95,790	46,895	29,174	11,151	134,583	4,061	28,378
1893	363,478	97,786	49,642	30,136	13,345	159,358	5,947	27,264
1894	367,526	92,694	54,568	31,701	10,293	141,177	8,260	27,841
1895	356,195	82,263	51,805	28,798	9,940	141,395	11,017	20,978
1896	352,179	77,916	50,631	27,148	12,166	139,424	9,300	25,385
1897	365,774	79,252	46,950	34,562	13,017	141,063	11,149	37,791
1898	443,369	86,016	91,992	58,824	10,905	147,452	10,504	57,565
1899	605,072	110,980	229,841	63,942	12,806	139,395	8,212	29,897
1900	520,861	131,689	134,775	55,963	10,175	140,877	7,231	40,160
1901	534,617	131,977	144,616	60,507	10,896	139,324	4,955	32,343
1902	485,234	125,111	112,272	67,809	10,050	138,489	2,402	29,108
1903	517,006	133,073	118,630	82,618	12,935	138,436	2,769	28,556
1904	563,660	131,357	165,200	102,936	10,438	142,559	6,503	24,646
1905	567,279	127,968	128,094	117,550	14,236	141,774	15,065	24,591
1906	570,202	131,639	137,326	110,474	12,747	141,035	12,673	24,309
1907	579,129	145,642	149,775	97,128	15,164	139,310	7,629	24,461
1908	659,196	162,532	175,840	118,637	14,560	152,892	12,888	31,426
1909	693,744	167,001	192,487	115,546	15,895	161,716	19,501	21,804
1910	693,617	171,581	189,823	123,174	18,504	160,696	8,496	21,343
1911	691,202	173,839	197,199	119,938	20,934	157,961		21,311
1912	689,881	172,267	184,123	135,592	20,135	153,590	1,568	22,616
1913	724,512	169,892	202,129	133,203	20,306	175,085	1,027	22,899
1914	735,081	170,530	208,350	139,657	20,215	173,440		22,864
1915	760,587	200,533	202,160	141,938	22,130	164,368	6,637	22,903
1916	741,997	199,555	182,139	155,029	17,570	159,302	5,500	22,900
1917	2,086,042	1,153,877	459,540	257,166	30,598	160,318		24,742
1918	13,791,908	6,306,355	5,705,136	1,368,643	30,888	181,138	2,221	197,527
1919	18,952,141	6,805,125	9,265,325	2,009,272	34,593	221,615	344	615,867
1920	6,141,745	3,097,288	1,100,866	629,893	40,517	213,344	35,813	1,024,024
1921	4,468,713	1,809,786	580,795	647,871	41,471	200,611	131,502	996,677
1922	3,195,685	989,916	402,658	458,795	38,500	252,577	64,353	969,485
1923	3,244,717	1,169,555	355,721	322,533	45,143	294,148	32,527	1,055,088
1924	2,646,401	1,047,270	348,606	324,130	46,754	228,262	12,639	938,741
1925	2,464,169	617,537	357,957	324,365	38,755	218,321	23,217	882,015
1926	3,030,387	1,233,539	358,329	311,612	48,442	207,190	39,506	831,469
1927	2,897,135	1,130,123	361,067	322,621	36,792	230,556	27,263	787,794

<sup>1</sup> Up to 1920, inclusive, civil expenditures under War and Navy Departments at Washington are included under the column Civil and Miscellaneous; thereafter under War and Navy Departments, respectively. War Department expenditures include those for rivers and harbors and the Panama Canal.

<sup>2</sup> Includes only Army and Navy pensions for service prior to World War, and fees of examining surgeons. Does not include salaries under Bureau of Pensions, or payments to veterans of the World War, which are made by Veterans' Bureau and included under civil and miscellaneous expenditures.

<sup>3</sup> Exclusive of amounts transferred to the civil service retirement and disability fund in 1920 to 1926.

<sup>4</sup> Averages are for entire 10-year period though there were no expenditures in certain years.

<sup>5</sup> Additional compensation, Postal Service (resolution of Nov. 8, 1919), included in "Postal deficiencies."

<sup>6</sup> The liquidation of the War Finance Corporation and the repayment of loans by the railroads very much affected the total civil and miscellaneous expenditures in 1925.

Source: Annual Report of the Secretary of the Treasury.



# No. 177.—RECEIPTS OF THE GOVERNMENT: BY SOURCES, YEARS ENDED JUNE 30

[NOTE.—In thousands of dollars. Figures are on basis of warrants issued (net), see headnote, Table 174]

	1926	1927		1926	1927
<b>ORDINARY RECEIPTS</b>			<b>ORDINARY RECEIPTS—contd.</b>		
<b>Customs</b> .....	579,717	605,672	<b>Miscellaneous—Continued.</b>		
Duties.....	577,892	603,427	<i>Revenue-producing enterprises—Continued.</i>		
Tonnage tax.....	1,825	2,246	Sale of electric current (Muscle Shoals, Ala.).....		1,032
<b>Internal revenue</b> .....	2,836,772	2,868,686	Profits from sale of ships' stores, Navy.....	346	310
Income tax.....	1,974,104	2,219,952	Other.....	67	78
Miscellaneous taxes.....	1,862,668	1,648,732	<i>Rent of public buildings and grounds</i> .....	1,385	1,170
<b>Miscellaneous:</b>			<i>Fees, fines, penalties, etc.—</i>		
<i>Interest, premiums, etc.—</i>			Alaska fund.....	187	238
Interest on bonds of foreign governments under funding agreements.....	139,805	139,826	Fees on letters patent.....	3,421	3,463
Interest on unfunded obligations of foreign governments.....	19,557	20,563	Copyright fees.....	178	184
Interest on miscellaneous obligations.....	990	1,092	Fees and commissions (Land Office).....	439	493
Interest on overpayments under transportation act, 1920.....	18	5	Consular and passport fees.....	8,625	8,786
Interest on farm-loan bonds.....	3,648	670	Tax on circulation of national banks.....	3,278	3,253
Interest on public deposits.....	4,530	4,708	Customs Service.....	1,430	1,500
Interest on advance payments to contractors.....	194	45	Collections under enforcement of national prohibition act (Treasury and judicial).....	1,523	1,428
Dividends, Panama R. R.....	350	350	Commission on telephone pay stations in Federal buildings.....	8	17
Gain by exchange.....	24	1,707	Navy fines and forfeitures.....	1,236	846
<i>Sales of property—</i>			Naval hospital fund.....	651	1,007
Government property (unserviceable).....	4,736	3,337	Naturalization fees.....	478	945
Office material, etc. (General Supply Committee).....	51	37	Immigration Service.....	3,592	3,865
Properties, United States Housing Corporation.....	2,239	1,670	Judicial.....	3,262	3,045
Lands, etc., on account of military post construction fund.....	5,718	3,837	Forfeitures by contractors.....	31	112
War supplies.....	13,656	8,648	Licenses under Federal water power act.....	245	287
Buildings, plants, etc. (war supplies).....	529		Taxes, licenses, fines, etc., Canal Zone.....	217	222
Seal and fox skins.....	178	281	Other.....	1,453	1,349
Public documents and charts.....	445	299	<i>Gifts and contributions—</i>		
Card indexes, Library of Congress.....	144	191	Library of Congress gift fund.....	46	37
Miscellaneous Government property.....	453	158	For river and harbor improvements—		
<i>Public-donation receipts—</i>			Advance of funds.....	944	1,248
Sale of public lands.....	754	621	Contributions.....	2,929	2,944
Receipts under mineral leasing acts.....	8,478	6,670	For Forest Service cooperative work.....	1,920	1,503
Forest reserve fund.....	5,292	5,228	For roads, bridges, and related works, Alaska.....	143	92
National park revenues.....	797	670	Donations to U. S. and moneys received from persons unknown.....	5	29
Royalties on oil, gas, etc.....		11,253	Canadian Government's share, cost of protective works and measures, Lake of the Woods, and Rainy River, Minn.....		275
Other.....	945	852	Pan American Union quotas.....	238	221
<i>Federal reserve bank franchise tax and net earnings from Federal intermediate credit banks</i> .....	568	1,232	Other.....	19	10
<i>Profits on coinage, bullion deposits, etc.</i> .....	9,903	9,130	<i>Repayments of investments—</i>		
<i>Revenue-producing enterprises—</i>			Principal of unfunded loans made to foreign Governments.....	205	10,002
United States Housing Corporation.....	545	479	Principal of bonds of foreign governments under funding agreements.....	34,587	35,691
Funds deposited for construction loans under section 11, merchant marine act, 1920.....	6,459	95	Principal of sale of surplus war supplies to foreign governments.....	84	7
Center Market, Washington, D. C.....	245	260	Liquidation of capital stock, Federal land banks.....	333	338
Earnings from radio service.....	200	150	Sale of farm-loan bonds.....	28,390	60,495
Tolls, profit, etc., Panama Canal.....	23,725	25,154	Return of advances made to reclamation fund.....	1,000	1,000
U. S. telegraph lines.....	275	230	Principal of loans by U. S. Housing Corporation.....	354	844
Laundry and dry-cleaning operations (War).....	1,412	1,353			

<sup>1</sup> Miscellaneous internal revenue includes \$415,000 in 1926 and \$502,000 in 1927 collections under national prohibition act in addition to the amounts shown for this item under miscellaneous receipts.

<sup>2</sup> Consists chiefly of head tax.

<sup>3</sup> For contributions to Library of Congress trust fund, see p. 167.

No. 177.—RECEIPTS OF THE GOVERNMENT, ETC.—Continued

[In thousands of dollars]

	1936	1937		1936	1937
<b>ORDINARY RECEIPTS—contd.</b>			<b>ORDINARY RECEIPTS—contd.</b>		
<b>Miscellaneous—Continued.</b>			<b>Miscellaneous—Continued.</b>		
<i>Assessments and reimbursements—</i>			<i>Trust funds—Continued.</i>		
Salaries and expenses, national-bank examiners.....	2,492	2,451	Indian moneys—		
Expenses of redeeming national currency.....	606	547	Oil and gas leases, etc., Osage Reservation, Okla.....	21,817	18,546
Assessments on Federal reserve banks for Federal Reserve Board.....	2,084	2,350	Proceeds of labor.....	2,672	2,682
Assessments on Fed. intermediate credit and Fed. and joint-stock land banks for Fed. Farm Loan Board.....	461	588	Kiowa, Comanche, and Apache Indians, Okla., moneys due for oil and gas, act Mar. 4, 1923.....	100	1,201
Overhead charges on sales of services or supplies (War and Navy).....	261	169	Sales and leases of Indian lands, etc.....	1,736	1,553
Army costs due United States from Germany, Paris agreement of Jan. 14, 1925.....		8,920	Miscellaneous trust funds.....	357	313
Settlement of claims.....	1,300	326	<i>Revenues of the District of Columbia—</i>		
Work done for individuals, corporations, etc.....	103	133	Dis. of Columbia share (excluding trust funds).....	24,465	27,841
Payment for quarters, subsistence, etc., Veterans' Bureau.....	1,166	468	District of Columbia trust funds.....	2,383	2,671
Fumigation and disinfection of vessels, Public Health Service.....	624	642	United States share.....	94	147
Collections under grain and cotton standards act.....	121	162	Total miscellaneous receipts.....	491,965	549,371
General railroad contingent fund.....	1,218	852	Total all above items.....	3,908,453	4,023,728
Reimbursement for maintenance of Dist. of Col. inmates in Federal penal and correctional institutions.....		139	Adjustment for uncovered moneys and items counter-entered in subsequent fiscal year.....	+5	-7
International service of ice patrol.....	131	193	Total.....	3,908,458	4,023,722
Reimbursement for Government property lost.....	44	54	Add receipts credited direct to appropriations: <sup>6</sup>		
Damages to Government property.....	11	20	Proceeds of railroad securities owned by the Government.....	36,738	89,726
Other.....	788	979	Miscellaneous receipts.....	17,776	14,975
<i>Other miscellaneous—</i>			Total ordinary receipts.....	3,962,973	4,128,423
Clothing and small stores fund, Navy.....	6,784	5,320	<b>PUBLIC-DEBT RECEIPTS</b>		
Bribes to U. S. officers.....	26	71	Certificates of indebtedness (various series).....	2,317,315	3,108,235
Other.....	296	301	Treasury notes and certificates of indebtedness (civil service retirement and disability fund).....		59,300
<i>Trust funds:</i>			Treasury notes, series A-1930-1932.....		1,300,456
Government life insurance fund.....	51,215	65,846	Treasury notes and certificates of indebtedness (adjusted service series).....	161,700	147,200
Civil service retirement and disability fund.....	2,302	(*)	Treasury (war) savings securities.....	11,677	13,572
Contributions to Library of Congress trust fund, investment account.....		15	Postal-savings bonds.....	544	600
Foreign service retirement and disability fund.....	9	10	Bank-note fund.....	22,223	27,828
Soldiers' Home permanent fund.....	455	546	Treasury bonds of 1943-1947.....		467,802
Pay of the Army deposit funds.....	1,691	980	Treasury bonds of 1946-1956.....	494,898	
Navy and Marine Corps deposit funds.....	334	221	Total public-debt receipts.....	3,008,357	5,185,083
			Total receipts, exclusive of postal.....	6,971,329	9,313,508
			Postal revenues.....	659,820	683,122
			Total receipts, including postal.....	7,631,149	9,996,630

\* Beginning 1937, credits to this fund are made direct to the appropriation account by repayments.

<sup>6</sup> These items represent cash receipts which are credited against the expenditures shown on a warrant basis and must be added back to receipts by warrants in order to adjust to an actual cash basis.

<sup>6</sup> Exclusive of \$6,371,000 balance to the credit of the United States Sugar Equalization Board after crediting the appropriation with \$5,000,000 on account of repayment of capital stock, covered into the Treasury as "Miscellaneous receipts—final dividends of United States Sugar Equalization Board." As this was only an adjustment between accounts of transactions occurring in prior years, these items have not been included in the receipts and expenditures.

Source: Annual Report of the Secretary of the Treasury.

## No. 178.—EXPENDITURES OF THE GOVERNMENT: YEARS ENDED JUNE 30

[In thousands of dollars. Figures are on basis of warrants issued (net), see headnote, Table 174]

	1926	1927		1926	1927
<b>LEGISLATIVE ESTABLISHMENT</b>			<b>INDEPENDENT BUREAUS AND OFFICES—continued</b>		
United States Senate.....	2,907	2,781	<i>U. S. Veterans' Bureau—</i>		
House of Representatives.....	7,552	7,597	Continued.		
Legislative, miscellaneous....	21	65	Military and naval com-		
Architect of the Capital.....	1,164	4,602	pensation.....	143,956	186,348
Botanic Garden.....	111	130	Military and naval insur-		
Library of Congress.....	1,363	1,446	ance (appropriated fund)...	119,962	120,092
Government Printing Office....	2,800	2,569	Military and naval family		
			allowance.....	4 124	4 109
Total legislative estab-	15,918	19,190	Miscellaneous items.....	381	147
lishment.....			Special funds—		
<b>EXECUTIVE OFFICE</b>			Military and naval in-		
Salaries and expenses.....	473	687	surance.....	810	4 5,868
			Miscellaneous special		
<b>INDEPENDENT BUREAUS AND OFFICES</b>			funds.....	4 293	2
Alaska relief funds.....	23	15	Government life insurance		
Allen Property Custodian....	166	157	fund (trust fund)—		
American Battle Monu-			Investments.....	37,847	54,701
ments Commission.....	48	129	Expenses.....	13,856	10,834
Arlington Memorial Bridge			Vocational rehabilitation..	17,003	4 3,900
Commission.....	481	1,450	Increase of compensation..	4 146	4 28
Board of Mediation <sup>1</sup> .....	272	227			
Board of Tax Appeals.....	431	537	Total independent bu-	559,957	512,602
Bureau of Efficiency.....	151	174	reaus and offices.....		
Civil Service Commission....	976	997	District of Columbia.....	34,248	37,757
Commission of Fine Arts....	8	6			
Employees' Compensation			<b>DEPARTMENT OF AGRICUL-</b>		
Commission.....	2,476	2,965	<b>TURE</b>		
Federal Board for Vocational			Office of the Secretary <sup>2</sup> .....	1,023	1,048
Education.....	7,399	7,354	Office of Information <sup>3</sup> .....	1,110	1,214
Federal Oil Conservation			Office of Experiment Sta-		
Board.....	5	8	tions.....	2,735	2,906
Federal Power Commission...	38	28	Extension Service.....	1,528	1,561
Federal Reserve Board.....	2,011	2,509	Weather Bureau.....	2,369	2,537
Federal Trade Commission...	984	956	Bureau of Animal Industry..	7,246	7,732
General Accounting Office...	3,631	3,886	Meat inspection, Bureau of		
Housing Corporation.....	564	472	Animal Industry.....	4,782	4,879
Interstate Commerce Com-			Bureau of Dairy Industry...	521	497
mission.....	6,979	7,434	Bureau of Plant Industry...	3,722	3,718
Miscellaneous items.....	129	186	Forest Service.....	8,992	10,417
National Advisory Commit-			Bureau of Chemistry.....	1,479	1,412
tee for Aeronautics.....	561	529	Bureau of Soils.....	392	541
National Sesquicentennial			Bureau of Entomology.....	2,546	6,251
Exhibition Commission....	771	1,235	Bureau of Biological Survey.	1,016	1,026
National security and de-			Library.....	70	80
fense, U. S. Sugar Equaliza-			Bureau of Public Roads....	499	421
tion Board.....		4 5,000	Road construction.....	97,651	92,097
Office of Public Buildings			Bureau of Agricultural Eco-		
and Public Parks of the	2,487	2,373	nomics.....	4,486	4,759
National Capital.....			Bureau of Home Economies.	116	129
Perry's Victory Memorial			Enforcement of insecticide		
Commission.....	49		act, general expenses.....	190	178
Railroads <sup>4</sup> .....	4 32,266	4 88,769	Federal Horticultural Board.	687	785
Smithsonian Institution and			Cooperative agricultural ex-		
National Museum.....	833	900	tension work.....	5,879	5,878
U. S. Shipping Board.....	23,948	13,329	Lands for protection of water-		
U. S. Tariff Commission.....	602	689	sheds and streams.....	750	1,170
<i>U. S. Veterans' Bureau:</i>			Miscellaneous.....	1,820	1,742
Salaries and expenses.....	41,797	35,164	Special funds:		
Administrative expenses,			Cooperative work, Forest		
World War adjusted			Service.....	2,120	1,382
compensation act.....	4 12		Payments to States and		
Adjusted service certifi-			Territories from national		
cate fund.....	120,000	116,000	forest funds.....	1,243	1,299
Adjusted service and de-			Other special funds.....	782	618
pendent pay.....	5,800	12,863			
Medical and hospital serv-			Total Department of		
ices.....	35,864	30,881	Agriculture.....	155,754	156,279

<sup>1</sup> Formerly Railroad Labor Board.<sup>2</sup> Repayments on account of retirement of capital stock, carried to surplus fund, deduct.<sup>3</sup> Proceeds of railroad securities during the fiscal years 1926 and 1927, \$36,738,000 and \$89,726,000, respectively, were credited to the revolving funds established by the transportation act 1920, and operate to reduce expenditures for those years. See also note 17, p. 171.<sup>4</sup> Excess of repayments, deduct.<sup>5</sup> Includes division of accounts and disbursements.<sup>6</sup> Formerly offices of Editorial and Distribution Work.

## No. 178.—EXPENDITURES OF THE GOVERNMENT, ETC.—Continued

[In thousands of dollars]

	1926	1927		1926	1927
<b>DEPARTMENT OF COMMERCE</b>			<b>DEPARTMENT OF JUSTICE—continued</b>		
Office of the Secretary.....	1,014	2,042	<i>Judicial</i>		
Bureau of Foreign and Domestic Commerce.....	2,827	3,195	Courts, salaries and expenses.....	12,094	11,588
Bureau of the Census.....	2,350	2,132	Fees of jurors and witnesses.....	2,924	2,664
Steamboat Inspection Service.....	1,010	1,059	Penal institutions.....	4,641	2,136
Bureau of Navigation.....	516	562	Miscellaneous.....	1	51
Bureau of Standards.....	1,750	1,867			
Bureau of Lighthouses.....	9,879	10,040	Total Department of Justice.....	24,005	24,758
Coast and Geodetic Survey.....	2,173	2,359			
Bureau of Fisheries.....	1,551	1,680	<b>DEPARTMENT OF LABOR</b>		
Patent Office.....	3,703	3,104	Office of the Secretary.....	632	660
Bureau of Mines.....	2,287	2,473	Bureau of Labor Statistics.....	372	291
Aircraft in commerce.....		596	Bureau of Immigration.....	5,371	6,447
Miscellaneous.....	10	16	Bureau of Naturalization.....	730	724
Total Department of Commerce.....	20,079	31,126	Children's Bureau.....	1,299	1,334
			Women's Bureau.....	101	98
<b>DEPARTMENT OF INTERIOR</b>			Employment Service.....	203	186
<i>Interior civil</i>			Miscellaneous.....	5	21
Office of the Secretary.....	909	931	Total Department of Labor.....	8,613	9,761
General Land Office.....	9,936	11,939			
Bureau of Pensions—			<b>NAVY DEPARTMENT</b>		
Salaries and expenses.....	1,528	1,458	Office of the Secretary.....		
Army pensions.....	198,690	220,359	Pay, miscellaneous.....	1,752	1,741
Navy pensions.....	7,964	9,597	Other items.....	1,402	1,497
Fees of examining surgeons.....	516	599	Office of Naval Records and Library.....	42	40
Civil-service retirement and disability fund—			Office of Judge Advocate General.....	97	100
Investments.....	10,873	* 1,432	Office of Chief of Naval Operations.....	244	250
Annuities, refunds, etc.....	10,218		Bureau of Navigation.....		
Bureau of Reclamation—			Organizing the Naval Reserve Force.....	3,435	3,557
General expenses.....	* 24	* 7	Transportation.....	2,966	4,322
Reclamation fund.....	3,385	3,772	Other items.....	2,771	3,709
Geological Survey.....	1,856	1,790	Bureau of Engineering.....	17,987	19,348
Bureau of Mines <sup>1</sup> .....	* 8	(*) 10	Bureau of Construction and Repair.....	17,018	18,011
National parks.....	3,477	3,840	Bureau of Ordnance.....	11,110	12,354
Bureau of Education.....	871	957	Bureau of Supplies and Accounts.....		
Colleges for agriculture and mechanic arts.....	2,550	2,550	Pay of the Navy.....	119,827	121,540
Beneficiaries.....	1,820	1,881	Provisions.....	19,085	19,049
Territorial governments.....	217	300	Fuel and transportation.....	14,261	12,020
Alaskan Railroad.....	1,464	1,585	Freight.....	60	8
Miscellaneous.....	3	30	Maintenance.....	9,308	10,044
Total Interior civil.....	256,206	263,020	Naval supply account fund.....	* 5,040	* 5,072
			Clothing and small stores special fund.....	6,090	2,546
<i>Bureau of Indian Affairs:</i>			Other items.....	1,060	3,974
Current and contingent expenses.....	1,566	2,184	Bureau of Medicine and Surgery.....	4,151	4,490
Fulfilling treaty stipulations.....	602	619	Bureau of Yards and Docks.....	10,167	10,778
Miscellaneous supports.....	840	834	Bureau of Aeronautics.....	18,708	15,373
Interest on Indian trust (unb.).....	135	1,336	Naval Academy.....	1,810	2,064
Support of Indian schools.....	5,460	6,117	<i>Marine Corps:</i>		
Miscellaneous expense.....	6,073	3,042	Pay.....	16,179	14,911
Trust funds.....	23,756	22,619	General expenses.....	8,271	7,925
Total Bureau of Indian Affairs.....	45,442	36,792	Other items.....	388	328
Total Department of the Interior.....	304,708	299,812	Increase of the Navy.....	31,265	38,832
			General account of advances.....	* 2,984	* 4,745
<b>DEPARTMENT OF JUSTICE</b>			Miscellaneous.....	1,155	1,629
<i>Department of Justice proper:</i>			Total Navy Department.....	311,612	322,621
Salaries and expenses.....	2,113	2,352			
Detection and prosecution of crimes.....	2,232	1,967			

\* Excess of repayments, deduct

\* Including public land service.

<sup>1</sup> For the fiscal year 1927 investments amounted to \$14,125,000 and annuities, refunds, etc., to \$13,676,000 offset with the exception of \$1,432,000 by repayments, representing deductions heretofore transferred upon the books of the Treasury by appropriation warrants.

<sup>2</sup> Bureau of Mines transferred to Department of Commerce by Executive order dated June 4, 1926.

<sup>3</sup> Less than \$500.

## No. 178.—EXPENDITURES OF THE GOVERNMENT, ETC.—Continued

[In thousands of dollars]

	1926	1927		1926	1927
<b>POST OFFICE DEPARTMENT</b>			<b>TREASURY DEPT.—contd.</b>		
Deficiency in postal revenues.....	39,506	27,263	<i>Public Health Service—Con.</i>		
Miscellaneous expenses.....	25	54	Pay of commissioned officers, pharmacists, acting assistant surgeons, and other employees.....	2,367	2,416
Total Post Office Department.....	39,531	27,317	Pay of personnel and maintenance of hospitals.....	5,130	5,230
<b>DEPARTMENT OF STATE</b>			Mints and assay offices.....	1,603	1,554
Department of State proper.....	1,676	1,807	<i>Public buildings:</i>		
Foreign intercourse.....	14,308	14,707	Office of Supervising Architect.....	265	335
Total Department of State.....	15,985	16,514	Public buildings, construction and rent.....	1,835	7,307
<b>TREASURY DEPARTMENT</b>			Hospitals..... <sup>14</sup>	165	208
Office of the Secretary.....	178	153	Quarantine stations.....	150	344
Office of the Chief Clerk and Superintendent.....	941	<sup>11</sup> 1,052	Repairs, equipment, and general expenses.....	2,587	3,338
General Supply Committee.....	112	116	Operating expenses.....	9,222	10,116
Office of Commissioner of Accounts and Deposits.....	20	<sup>12</sup> 74	American Printing House for the Blind.....	50	50
Division of Bookkeeping and Warrants.....	<sup>13</sup> 576	611	Miscellaneous.....	94	319
Division of Deposits.....	15	( <sup>15</sup> )	Total Treasury Department.....	335,460	280,798
Public Debt Service.....	4,906	4,621	<b>WAR DEPARTMENT</b>		
World War Foreign Debt Commission.....	4	5	<i>Military activities:</i>		
Division of Appointments.....	59	60	Office of the Secretary.....	1,505	1,118
Division of Printing.....	882	753	General Staff Corps.....	274	272
Division of Mail and Files.....	19	( <sup>11</sup> )	Adjutant General's Department.....	1,557	1,620
Office of Disbursing Clerk.....	50	51	Office of Inspector General.....	24	25
<i>Customs Service:</i>			Office of Judge Advocate General.....	68	80
Administrative salaries.....	62	17,264	Army account of advances.....	4,902	2,288
Collecting the revenue from customs.....	16,432		<i>Finance Department—</i>		
Miscellaneous expenses.....	247	212	Pay of the Army.....	122,785	123,559
Refunds, debentures, drawbacks, etc.....	28,290	20,801	Mileage of the Army.....	672	682
Bureau of the Budget.....	164	171	Increase of compensation <sup>15</sup> .....	26	( <sup>14</sup> , <sup>10</sup> )
Federal Farm Loan Bureau.....	453	568	Finance Service.....	1,257	1,073
Office of Treasurer of the United States.....	1,447	1,542	Miscellaneous items.....	1,876	522
Office of Comptroller of the Currency.....	2,480	2,684	<i>Quartermaster Corps—</i>		
<i>Internal Revenue Service:</i>			Army transportation.....	14,197	14,549
Administrative salaries.....	792	33,142	Barracks and quarters.....	4,309	3,977
Collecting the revenue.....	33,360		Clothing and equipage.....	5,585	6,344
Enforcement of narcotic and prohibition acts.....	11,003	12,802	Construction of buildings, utilities, etc., at military posts.....		945
Miscellaneous expenses.....		1	Construction and repair of hospitals.....	489	623
Refunds, allowances, drawbacks, etc.....	173,030	115,360	General appropriations.....	55	58
Special funds.....	2,310	710	Incidental expenses of the Army.....	3,973	3,545
Coast Guard.....	24,958	28,120	Inland and port storage and shipping facilities.....	168	16
<i>Bureau of Engraving and Printing:</i>			Regular supplies of the Army.....	12,633	11,733
Administrative salaries.....	441	461	Roads, walks, wharves, and drainage.....	863	757
Compensation of employees.....	3,457	3,450	Subsistence of the Army.....	16,108	17,625
Materials and miscellaneous expenses.....	1,451	1,154	Supplies, services, and transportation.....	104	47
New machinery and equipment.....	158	11	Water and sewers at military posts.....	2,314	2,320
Plate printing.....	1,896	1,820	Miscellaneous items.....	2,868	1,370
Secret Service.....	458	457	Signal Corps.....	1,778	1,673
<i>Public Health Service:</i>			Air Service.....	15,101	16,948
Administrative salaries and miscellaneous items.....	1,544	1,375	Medical Department.....	1,198	1,273
Hospital construction.....	12	6	Bureau of Insular Affairs.....	76	78
Medical and hospital services.....	6	1	Corps of Engineers.....	1,015	965
			Fortifications, etc., Panama Canal.....	1,153	586

<sup>4</sup> Excess of repayments, deduct.<sup>10</sup> Less than \$500.<sup>11</sup> Division of Mail and Files included in Office of the Chief Clerk and Superintendent.<sup>12</sup> Division of Deposits included in Office of Commissioner of Accounts and Deposits.<sup>13</sup> Includes \$11,000 charges on silver dollar bullion sold.<sup>14</sup> Includes \$38,000 in 1926 and \$23,000 in 1927 under hospital facilities, etc., for war patients.<sup>15</sup> Exclusive of increases under Panama Canal and National Homes for Disabled Volunteer Soldiers.



## No. 178.—EXPENDITURES OF THE GOVERNMENT, ETC.—Continued

[In thousands of dollars]

	1926	1927		1926	1927
<b>WAR DEPARTMENT—contd.</b>			<b>SPECIAL ACCOUNTS—contd.</b>		
<i>Military activities—Contd.</i>			Premium on the public debt.	5,267	7,111
Ordnance Department—			Total special accounts.	836,736	795,905
Ordnance service.....	1,133	1,094	Grand total.....	3,030,410	2,897,113
Ordnance stores and supplies.....	127	230	Adjustment for repayments counter-entered in year subsequent to deposit thereof.....	-23	+23
Ammunition.....	868	1,617	Total ordinary warrant expenditures.....	3,030,387	2,897,135
Automatic rifles and manufacture of arms.....	517	570	Add credits against expenditures: <sup>17</sup>		
Nitrate plants.....	129	17	Proceeds of railroad securities owned by the Govt.....	+36,738	+89,726
Armament of fortifications.....	599	<sup>4</sup> 162	Miscellaneous credits.....	+17,776	+14,975
Arsenals.....	622	749	Adjustment for disbursing officers' credits, unpaid warrants, etc.....	+13,833	<sup>18</sup> -27,893
Field Artillery armament.....	1,554	1,628	Total ordinary cash expenditures <sup>19</sup> .....	3,068,734	2,973,944
Miscellaneous items.....	455	529	<b>PUBLIC DEBT</b>		
Chemical Warfare Service.....	987	1,173	First Liberty loan:		
National Board for Promotion of Rifle Practice.....	89	57	3½ per cent bonds.....	12,307	2
Chief of Infantry.....	68	54	Converted at 4 per cent.....		1
Chief of Cavalry.....	18	17	Converted at 4½ per cent.....	( <sup>16</sup> )	51
Chief of Field Artillery.....	24	18	Second Liberty loan.....		2,525
Chief of Coast Artillery.....	319	177	Second Liberty loan converted at 4½ per cent.....	31	1,795,623
Militia Bureau.....	29,616	29,522	Third Liberty loan.....	397,105	340,608
Military Academy.....	2,329	2,713	Fourth Liberty loan.....	9	28
Organized Reserves and military training of citizens.....	9,193	9,420	Victory Liberty loan notes.....	2,307	1,282
Total military activities.....	267,260	265,892	Certificates of indebtedness (various issues).....	2,396,542	2,875,354
<i>Nonmilitary activities:</i>			Treasury notes and certificates of indebtedness:		
National cemeteries—			Adjusted service series.....	53,200	38,200
Disposition of remains of officers, soldiers, and civil employees.....	89	86	Civil service retirement and disability fund.....		13,700
Miscellaneous items.....	621	732	Treasury bonds 1946-1956.....		3,686
Medical Department.....	48	80	Treasury bonds 1944-1954.....	1	4,686
Signal Corps.....	169	177	Treasury bonds 1947-1952.....		1,628
Miscellaneous items under Corps of Engineers <sup>16</sup> .....	1,291	1,216	Treasury notes (various rates).....	930,485	1,119,512
Rivers and harbors—			Gold reserve against U. S. notes.....		1,232
Improving rivers.....	65,333	32,594	Redemption of bank notes.....	54,400	28,061
Improving harbors.....	189	158	Funded loan of 1907.....	1	3
Special funds for rivers and harbors.....	3,482	4,162	Loan of 1908-1918.....	5	14
Inland and coastwise waterways service.....	( <sup>16</sup> )	2,500	Loan of 1925.....	633	196
National military parks.....	154	207	Treasury (war) savings securities.....	33,850	64,162
National Homes for Disabled Volunteer Soldiers.....	8,714	8,316	Gold reserve increase against U. S. notes.....	568	
War claims and relief acts.....	1,679	7,393	Miscellaneous redemptions.....	2	1
Trust funds—			Total public debt expenditures.....	3,881,447	6,318,092
Estates deceased soldiers.....	( <sup>16</sup> )	19	Total cash expenditures exclusive of Postal Service.....	6,960,180	9,292,096
Soldiers' Home permanent fund.....	763	729	Postal Service, payable from postal revenues.....	659,819	683,122
Miscellaneous.....	119	113	Total, including Postal Service.....	7,640,000	9,975,158
Total nonmilitary activities.....	82,649	88,482			
Panama Canal, operation and maintenance.....	8,419	7,613			
Total War Department.....	358,329	361,987			
<b>SPECIAL ACCOUNTS</b>					
Subscriptions to capital stock of Federal intermediate credit banks.....		1,000			
Interest on public debt.....	831,469	787,794			

<sup>4</sup> Excess of repayments, deduct.<sup>10</sup> Less than \$500.<sup>16</sup> Includes monuments.<sup>17</sup> These items represent cash receipts which are credited against the expenditure shown on a warrant basis and must be added back to expenditures by warrants in order to adjust to an actual cash basis.<sup>18</sup> After deducting the sum of \$6,371,000 referred to in note 6, p. 167.<sup>19</sup> Exclusive of public debt retirements chargeable against ordinary receipts during 1926 of \$487,376,000 and during 1927 of \$519,564,000, which amounts are included in this table under public debt expenditures. The total expenditures chargeable against ordinary receipts during the fiscal years 1926 and 1927 were \$3,586,110,000 and \$3,493,508,000, respectively.

Source: Annual Report of the Secretary of the Treasury.

# No. 179.—RECEIPTS AND EXPENDITURES OF THE GOVERNMENT: BY MAJOR CLASSIFICATIONS, CASH BASIS, YEARS ENDED JUNE 30

[NOTE.—In thousands of dollars. Figures are on basis of daily Treasury statements, unrevised]

	1921	1922	1923	1924	1925	1926	1927
<b>ORDINARY RECEIPTS</b>							
Customs	308,554	356,443	561,929	545,538	547,561	579,430	605,500
Income and profits taxes	3,206,046	2,068,128	1,678,607	1,842,144	1,780,588	1,982,040	2,234,968
Miscellaneous internal revenue	1,390,380	1,145,125	945,865	953,013	828,638	855,599	644,422
Miscellaneous revenue	719,943	539,408	820,734	671,250	643,412	545,686	654,480
<b>Total ordinary receipts</b>	<b>5,624,923</b>	<b>4,109,104</b>	<b>4,007,135</b>	<b>4,012,045</b>	<b>3,799,199</b>	<b>3,962,755</b>	<b>4,139,369</b>
<b>ORDINARY EXPENDITURES</b>							
<b>General expenditures, total</b>	<b>3,563,910</b>	<b>2,183,868</b>	<b>1,960,041</b>	<b>1,896,468</b>	<b>1,837,894</b>	<b>1,826,797</b>	<b>1,867,366</b>
Legislative establishment	18,983	17,088	14,165	14,316	18,856	15,776	19,678
Executive proper	210	219	349	451	412	499	612
State Department	8,781	9,667	16,463	14,669	15,054	16,521	16,496
Treasury Department	410,254	209,105	145,017	137,411	128,332	136,579	151,590
War Department	1,101,615	454,791	392,734	348,630	361,888	355,073	360,809
Department of Justice	17,206	17,889	23,521	21,134	23,496	23,774	24,819
Post Office Department	5,231	3,384	147	187	480	96	189
Navy Department	450,374	475,775	333,201	332,349	346,142	312,743	318,909
Interior Department	349,815	331,814	354,623	328,228	302,441	301,759	302,707
Department of Agriculture	119,838	142,696	128,746	141,116	164,644	155,350	156,267
Department of Commerce	30,829	31,668	21,784	21,430	25,783	29,132	30,940
Department of Labor	8,503	6,227	7,241	6,620	9,678	8,545	9,922
Veterans' Bureau		378,750	461,719	408,121	384,716	404,692	391,470
Other independent offices and commissions	119,943	43,872	28,712	28,262	27,693	32,069	35,443
District of Columbia	22,563	23,732	24,084	25,873	32,713	34,411	37,567
Unclassified items	-923	+232	-1,436	-1,234	+347	233	+449
<b>Interest on public debt</b>	<b>999,145</b>	<b>991,001</b>	<b>1,055,994</b>	<b>940,809</b>	<b>821,867</b>	<b>831,944</b>	<b>787,090</b>
<b>Special expenditures, total</b>	<b>1,559,679</b>	<b>945,740</b>	<b>982,993</b>	<b>978,619</b>	<b>944,294</b>	<b>455,947</b>	<b>899,183</b>
Refunds of receipts							
Customs	57,824	37,124	28,737	20,567	22,921	27,745	20,321
Internal revenue		45,702	125,279	127,220	147,777	182,220	117,412
Postal deficiency	130,128	64,346	32,527	12,639	23,217	39,506	27,263
Patent (anal)	16,461	3,025	4,317	8,387	9,093	9,018	8,305
Special accounts							
Railroads	730,712	139,169	100,618	22,771	7,206	2,726	1,043
War Finance Corporation	22,028	94,428	109,436	53,540	48,308	19,691	27,066
Shipping Board	130,723	87,206	57,024	55,491	50,305	23,043	19,011
Alien Property funds		1,626	1,398	1,151	4,018	3,516	495
Grain Corporation	90,353	32,000					
Sugar Equalization Board		15,680	2,482				
Purchase of obligations of foreign governments	73,897	718					
Purchase of Federal farm loan bonds	16,781						
Loans to railroads			12,527	12,971			
Adjusted service certificate fund					99,459	120,152	115,219
Investment of trust funds							
Government life insurance	20,559	24,599	26,672	30,410	31,902	38,290	47,316
Civil service retirement	8,000	9,283	8,091	8,028	9,746	10,816	14,25
District of Columbia teachers' retirement fund	102	231	191	223	258	297	290
Foreign service retirement					88	100	87
General R. R. contingent				4,584	1,124	1,209	871
<b>Total ordinary</b>	<b>5,115,926</b>	<b>3,371,606</b>	<b>3,294,638</b>	<b>3,048,678</b>	<b>3,663,195</b>	<b>3,997,613</b>	<b>2,974,030</b>
<b>Public debt retirement, from—</b>							
Sinking fund	261,100	275,046	284,619	295,987	306,308	317,092	333,528
Debt repayments from foreign countries	73,939	64,838	32,140	38,609	386	4,894	19,254
U. S. bonds received from foreign countries under debt settlement			68,753	110,878	158,794	165,280	159,963
Estimate taxes	26,349	21,085	6,569	8,897	48		
Franchise taxes, Fed. Res. and Fed. Intermediate credit banks	60,724	60,323	10,815	2,635	794	568	1,232
Forfeitures, gifts, etc.	108	393	555	93	208	63	5,578
<b>Total</b>	<b>483,389</b>	<b>482,686</b>	<b>408,940</b>	<b>448,000</b>	<b>466,533</b>	<b>487,876</b>	<b>519,846</b>

For footnotes see p. 173.



# No. 179.—RECEIPTS AND EXPENDITURES OF THE GOVERNMENT: BY MAJOR CLASSIFICATIONS, CASH BASIS, YEARS ENDED JUNE 30—Continued

(In thousands of dollars)

	1921	1922	1923	1924	1925	1926	1927
<b>RECAPITULATION</b>							
Total ordinary expenditures...	3,115,928	3,372,008	3,294,628	3,048,578	3,063,105	3,097,512	2,974,030
Total public debt expenditures chargeable against ordinary receipts .....	422,282	422,095	402,850	458,000	466,588	487,370	519,555
Total expenditures chargeable against ordinary receipts .....	3,538,209	3,794,103	3,697,478	3,506,578	3,529,693	3,584,882	3,493,585
Public debt expenditures not chargeable against ordinary receipts .....	8,769,746	8,008,532	7,560,948	2,848,350	3,420,802	3,394,055	5,798,839
<b>ANALYSIS OF TOTAL PUBLIC DEBT EXPENDITURES</b>							
Certificates of indebtedness...	8,552,226	4,775,865	5,095,993	2,228,577	2,152,954	2,326,530	2,875,367
Treasury notes and certificates of indebtedness (adjusted service series).....					4,600	53,200	38,200
Treasury notes and certificates of indebtedness (civil service retirement fund series) .....							13,700
Treasury notes .....			143,340	356,962	1,373,383	930,476	1,119,517
Treasury bonds .....			8	6		1	10,000
War savings securities.....	100,256	84,664	528,158	54,052	21,664	11,349	100
Treasury savings securities .....		1,457	15,997	33,406	29,204	22,501	64,062
First Liberty bonds .....	203	414	79	240	5	12,307	64
Second Liberty bonds .....	8,703	6,018	111,540	94,470	28	31	1,796,428
Third Liberty bonds .....	51,172	137,788	65,987	410,600	111,823	397,105	340,608
Fourth Liberty bonds .....	39,414	9,574	16,752	4,187	14	9	27,566
Victory notes .....	332,439	1,908,139	1,911,286	80,781	6,973	2,312	1,284
Loan of 1925 .....					117,060	634	196
Other debt items .....	152	58	246	45	667	576	1,250
National bank notes and Federal reserve bank notes.....	37,461	107,252	74,415	33,084	68,974	54,400	28,061
Total public-debt expenditures, including retirements chargeable against ordinary receipts .....	9,183,027	7,081,236	7,983,796	3,306,356	3,587,940	3,561,451	6,316,364

<sup>1</sup> The figures given for operations in special accounts are net figures and make allowance for receipts and deposits credited to the account concerned.

<sup>2</sup> In the fiscal years 1921, 1922, and 1923, changes were made in classification of expenditures between legislative establishment, executive proper, and other independent offices and commissions, which account for most of the differences as compared with expenditures for other fiscal years.

<sup>3</sup> Payments on account of veterans' relief made prior to Aug. 11, 1921, by the War Risk Insurance Bureau are included under Treasury Department, while similar payments made prior to that date by the Federal Board for Vocational Education are included under other independent offices and commissions.

<sup>4</sup> Deduct, excess of credits.

During the fiscal years 1922, 1923, 1924, and 1925, allotments for veterans' relief were made to the Treasury, War, and Navy Departments and, in 1924 and 1925, to the Interior Department, which appear under those departments. In the fiscal year 1925, these allotments amounted to \$6,058,000.

<sup>5</sup> Post Office Department expenditures for June, 1921, include \$65,576,000 paid to the Railroad Administration. This resulted in decrease in expenditures on account of "Federal-control transportation systems and transportation act, 1920," by a corresponding amount.

<sup>6</sup> Deduct, excess of credits. The railroad expenditures during the fiscal year 1922, were reduced by \$286,637,000 on account of sale of equipment trust notes, and by \$123,783,000 on account of sale or collection of other securities acquired under the Federal control act or transportation act, 1920. In 1923 and 1924, receipts on these accounts were included under miscellaneous receipts.

<sup>7</sup> Included under Executive proper prior to fiscal year 1922.

<sup>8</sup> Net expenditures after taking into account credits and \$100,000,000 applied to reduction in capital stock of United States Grain Corporation.

<sup>9</sup> \$25,000,000 of this amount represents reduction in capital stock of United States Grain Corporation effected Oct. 17, 1921, and is reflected in an increase of receipts in an equal amount.

Source: Annual Report of the Secretary of the Treasury.

## No. 180.—APPROPRIATIONS BY CONGRESS FOR YEARS ENDED JUNE 30

[All figures in thousands of dollars]

Branch	Number of Congress and fiscal year for which appropriated					
	64th, 1917	64th and 65th, 1918	65th, 1919	65th and 66th, 1920	66th, 1921	66th and 67th, 1922
Legislative.....	14,540	16,806	18,671	17,637	18,453	18,706
Executive Office.....	214	221	219	221	223	229
Independent offices.....	59,395	1,305,307	3,051,159	2,244,239	931,952	166,733
District of Columbia.....	14,044	15,688	16,937	17,203	20,749	23,175
Department of Agriculture.....	36,973	66,891	66,420	196,175	144,796	49,813
Department of Commerce.....	12,452	13,687	15,311	30,679	23,912	17,911
Department of the Interior.....	210,027	233,294	295,778	271,667	346,357	352,396
Department of Justice.....	11,682	12,016	14,975	18,377	16,176	17,680
Department of Labor.....	3,725	6,158	11,610	5,354	6,099	5,393
Navy Department.....	320,716	1,806,053	1,793,682	910,560	453,576	489,651
Post Office Department:						
Payable from Treasury <sup>1</sup> .....	2,007	1,987	1,995	38,069	16,841	14,339
Payable from postal revenues <sup>2</sup> .....	326,493	335,690	385,712	412,528	323,466	701,424
Department of State.....	9,971	31,622	11,360	12,762	11,098	11,023
Treasury Department.....	80,081	7,336,096	3,418,606	317,600	432,152	359,328
Interest on the public debt.....	23,300	241,796	655,107	1,062,300	1,017,500	922,650
Sinking fund and debt retirements chargeable against ordinary receipts.....	60,727	60,748	268,890	( <sup>3</sup> )	287,500	265,755
War Department.....	443,082	7,592,813	16,993,819	870,445	494,975	459,090
Increase of compensation <sup>4</sup> .....		15,000	25,000	30,760	35,000	35,000
<b>Total.....</b>	<b>1,628,412</b>	<b>18,881,940</b>	<b>27,065,149</b>	<b>6,454,597</b>	<b>4,780,830</b>	<b>3,909,282</b>
Deduct amount payable from postal revenues <sup>5</sup> .....	326,493	335,696	385,712	412,528	323,466	701,424
<b>Net total.....</b>	<b>1,301,919</b>	<b>18,546,244</b>	<b>26,679,437</b>	<b>6,042,069</b>	<b>4,457,364</b>	<b>3,207,858</b>
	67th, 1923	67th, 1924	68th, 1925	68th, 1926	69th, 1927	69th, 1928
Legislative.....	15,165	14,786	16,648	15,720	20,160	16,490
Executive Office.....	351	497	426	534	824	438
Independent offices.....	757,413	522,563	411,216	596,347	639,941	630,041
District of Columbia.....	26,652	26,633	27,967	40,209	38,459	38,920
Department of Agriculture.....	145,645	110,602	74,637	146,715	167,572	153,430
Department of Commerce.....	20,784	22,110	24,123	25,143	31,526	30,822
Department of the Interior.....	328,256	343,519	292,323	274,820	270,351	285,900
Department of Justice.....	20,676	23,846	24,227	28,104	27,200	26,433
Department of Labor.....	8,007	7,519	8,364	9,338	10,154	10,160
Navy Department.....	300,514	325,323	278,601	324,752	325,791	320,466
Post Office Department:						
Payable from Treasury <sup>1</sup> .....	554	442	173	244	32	18
Payable from postal revenues <sup>2</sup> .....	572,528	596,909	629,199	651,256	642,420	755,364
Department of State.....	17,570	15,896	15,246	18,187	17,819	12,312
Treasury Department.....	243,845	279,612	269,355	346,915	330,307	345,269
Interest on the public debt.....	1,100,000	940,000	865,000	830,000	796,000	755,000
Sinking fund and debt retirements chargeable against ordinary receipts.....	330,069	507,011	471,806	484,766	515,583	563,530
War Department.....	359,562	355,211	341,340	364,625	367,386	370,429
<b>Total.....</b>	<b>4,248,141</b>	<b>4,092,544</b>	<b>3,748,652</b>	<b>4,151,682</b>	<b>409,463</b>	<b>4,211,011</b>
Deduct amount payable from postal revenues <sup>5</sup> .....	572,528	596,909	629,199	651,256	642,420	755,364
<b>Net total.....</b>	<b>3,675,613</b>	<b>3,495,635</b>	<b>3,119,453</b>	<b>3,500,426</b>	<b>3,567,044</b>	<b>3,455,647</b>

<sup>1</sup> Figures cover only appropriations which have been specifically designated by Congress as payable from the Treasury and are exclusive of amounts which may be required under indefinite appropriations (payable from the Treasury) provided by law to supply deficiencies in the postal revenues. (See note 5.)

<sup>2</sup> Includes \$35,696,000 additional compensation, Postal Service.

<sup>3</sup> Includes \$14,000,000 for deficit under Federal control of telegraph and telephone systems.

<sup>4</sup> Includes \$11,053,000 certified claims.

<sup>5</sup> These figures include amounts which may be required under indefinite appropriations (payable from the Treasury) to supply deficiencies, if any, in the postal revenues.

<sup>6</sup> The sinking fund created by the act of Feb. 25, 1902, was repealed by the act of Mar. 3, 1919. The act of Mar. 3, 1919, created a cumulative sinking fund beginning with the fiscal year 1921.

<sup>7</sup> In 1918 to 1922, indefinite appropriations, estimated. In 1923 and 1924, definite amounts were appropriated which are included under the several departments and establishments. In 1925 to 1927, this item was absorbed by rates of pay included under the classification act, approved March 4, 1923.

<sup>8</sup> Includes \$125,000,000 of accumulated interest on war-savings certificates, series of 1918, to be paid during the fiscal year 1923 though properly allocable to the full five years of their life.

Source: Annual Report of the Secretary of the Treasury.

## No. 181.—INTERNAL REVENUE: AMOUNTS COLLECTED FROM PRINCIPAL SOURCES

[NOTE.—All figures in thousands of dollars. The figures differ from those in Tables 175 and 177 because they represent collections by internal revenue officers throughout the country, including deposits by postmasters of amounts received from sale of internal revenue stamps and deposits of internal revenue collected through customs offices, while the other tables represent the deposits of these collections in the Treasury or depositories during the fiscal year concerned, there being thus an overlapping of time. Certain items, included in the totals in the last column, are shown in detail in the second part of the table.]

Yearly average or year ended June 30—	Total	Spirits <sup>1</sup>	Per-mented liquors <sup>1</sup>	To-bacco <sup>1</sup>	Income and profits <sup>1</sup>	Legacies, inheritances, etc.	Manu-factures and products <sup>1,2</sup>	Sales, (con-sumers' or dealers')	Stamps <sup>1</sup>	Other <sup>1</sup>
1863-1865...	123,942	18,079	2,551	7,097	28,005	305	42,022	1,422	6,915	18,945
1866-1870	221,797	37,229	5,931	21,962	50,604	2,277	57,355	5,928	14,932	28,880
1871-1875	119,971	49,877	8,684	34,450	7,780	* 2,508	2,201	* 3,650	9,745	6,094
1876-1880	116,681	55,514	10,510	40,000	(?)	-	341	-	6,272	3,942
1881-1885	132,064	71,163	16,614	36,964	* 20	-	70	-	4,433	2,908
1886-1900	126,711	72,045	22,931	30,901	-	-	14	-	5	515
1891-1895	150,362	66,896	30,841	30,802	* 77	-	3	-	(?)	1,708
1896-1900	206,624	92,876	49,593	41,900	-	* 2,080	4	-	* 28,532	4,307
1901-1905	255,314	128,178	58,930	49,650	-	3,552	* 1	-	* 26,342	4,368
1906-1910	261,321	144,557	56,609	52,020	* 20,960	* 96	-	-	-	1,608
1911-1915	356,851	155,854	68,063	74,886	49,737	-	-	-	* 23,456	8,641
1916-1920	2,865,761	226,293	93,352	169,853	1,064,473	169,799	* 109,466	* 23,806	41,187	217,861
1921-1925	3,158,975	* 42,400	17	301,176	2,121,913	126,415	158,728	25,789	58,995	322,543
1901	306,872	116,028	75,470	62,482	-	5,212	1	-	39,241	6,259
1902	271,868	121,138	71,989	51,938	-	4,843	-	-	13,443	8,517
1903	230,741	131,953	47,548	43,515	-	5,357	-	-	-	2,368
1904	232,904	135,810	49,083	44,656	-	2,072	-	-	-	1,282
1905	234,188	135,959	50,361	45,000	-	774	-	-	-	1,435
1906	249,103	143,394	53,642	48,423	-	142	-	-	-	1,502
1907	269,664	156,337	59,568	51,811	-	50	-	-	-	1,899
1908	251,666	140,159	59,808	49,863	-	-	-	-	-	1,537
1909	246,213	134,868	57,458	51,887	-	-	-	-	-	2,001
1910	289,957	148,029	60,572	58,118	20,960	-	-	-	-	2,377
1911	322,526	155,280	64,368	67,006	33,512	-	-	-	-	2,361
1912	321,616	156,391	63,299	70,590	28,583	-	-	-	-	2,782
1913	344,424	163,879	66,267	76,769	35,006	-	-	-	-	2,482
1914	380,009	159,098	67,082	79,987	71,381	-	-	-	-	2,461
1915	415,681	144,620	79,329	79,957	80,202	-	-	-	23,456	8,117
1916	512,723	158,682	88,771	88,064	124,937	-	-	-	42,198	10,072
1917	809,394	192,111	91,897	103,302	367,382	6,077	-	-	8,926	19,796
1918	2,696,956	317,554	126,286	156,189	2,852,325	47,453	26,570	-	21,875	140,704
1919	2,850,160	365,211	117,840	206,003	2,600,784	82,030	75,508	2,302	45,261	355,131
1920	5,407,580	97,905	41,900	295,809	3,956,936	103,636	216,230	45,310	87,687	562,100
1921	4,595,357	62,596	25	255,219	3,228,138	154,043	177,802	45,795	75,665	576,071
1922	3,197,451	* 45,563	46	270,759	2,086,918	130,419	143,942	28,129	58,225	424,449
1923	2,621,745	* 30,354	4	309,015	1,691,090	126,705	163,981	21,136	61,490	217,370
1924	2,796,179	* 27,580	5	325,639	1,841,759	102,967	177,532	23,590	56,526	226,781
1925	2,584,140	* 25,903	2	345,247	1,761,659	* 108,940	130,382	10,496	46,068	155,444
1926	2,836,000	* 26,436	16	376,666	1,974,104	* 119,216	142,493	7,728	49,601	145,640
1927	2,665,683	* 21,196	1	376,170	2,219,262	100,340	66,850	-	32,603	46,572

Year	Trans- portation, telegraph, etc.	Beverages (nonal- coholic), etc.	Corpora- tion capital stock	Theater admis- sions, etc.	Year	Trans- portation, telegraph, etc.	Beverages (nonal- coholic), etc.	Corpora- tion capital stock	Theater admis- sions, etc.
1917	-	-	10,472	-	1923	30,361	10,132	81,568	70,176
1918	70,737	2,215	24,996	26,257	1924	34,662	10,419	87,472	77,718
1919	237,840	7,182	28,776	50,920	1925	-	-	90,003	80,908
1920	289,348	57,461	93,020	76,721	1926	-	-	97,388	23,991
1921	301,512	56,676	81,526	89,731	1926	-	-	8,970	17,941
1922	196,790	33,504	80,612	73,385	1927	-	-	8,970	17,941

<sup>1</sup> Including special taxes relating to manufacture and sale

<sup>2</sup> Including receipts from excise tax on corporations for the years 1910 to 1914, and munition manufacturers' tax for 1917 and 1918.

<sup>3</sup> Including receipts from the tax on raw cotton from 1863 to 1878.

<sup>4</sup> Including sales by postmasters of documentary stamps beginning with 1916.

<sup>5</sup> The totals in this column for the years 1917 to 1927 include items shown in detail in second part of table.

<sup>6</sup> Figures for one year only

<sup>7</sup> Less than \$500.

<sup>8</sup> Average for two years.

<sup>9</sup> Average for three years.

<sup>10</sup> Average for four years.

<sup>11</sup> Consists chiefly of tax on distilled spirits (nonbeverage).

<sup>12</sup> Includes excise tax on perfumes, cosmetics, and medicinal articles amounting to \$2,304,000.

<sup>13</sup> Includes gift tax amounting to \$7,518,000 in 1925 and \$3,175,000 in 1926.

Source: Annual Report of the Secretary of the Treasury.

### No. 182.—INTERNAL REVENUE: RECEIPTS FROM EACH SPECIFIC SOURCE, YEARS ENDED JUNE 30

[NOTE.—Figures are on the basis of reports of collections by internal-revenue officers and include deposits by postmasters of amounts received from sale of internal-revenue stamps and deposits of internal revenue collected through customs offices]

[All figures in thousands of dollars]

Source	1922	1923	1924	1925	1926	1927
<b>Grand total</b> .....	<b>3, 197, 451</b>	<b>2, 621, 745</b>	<b>2, 796, 179</b>	<b>2, 564, 140</b>	<b>2, 865, 683</b>	<b>2, 865, 683</b>
<b>Income and profits</b> .....	<b><sup>1</sup> 2,086,918</b>	<b><sup>1</sup> 1,691,090</b>	<b><sup>1</sup> 1,841,759</b>	<b>1, 761, 659</b>	<b>1, 974, 004</b>	<b>2, 219, 952</b>
Corporation.....				<sup>1</sup> 916, 233	<sup>1</sup> 1, 308, 013	<sup>1</sup> 1, 308, 013
Individual.....				845, 426	879, 124	911, 940
<b>Estates: Transfer of estates of decedents</b> .....	<b>139, 419</b>	<b>126, 705</b>	<b>102, 967</b>	<b>101, 422</b>	<b>116, 041</b>	<b>100, 340</b>
<b>Gifts: Transfer of any property by gift</b> .....				7, 518	2, 175	-----
<b>Distilled spirits</b> .....	<b>45, 563</b>	<b>30, 354</b>	<b>27, 580</b>	<b>25, 903</b>	<b>26, 426</b>	<b>21, 195</b>
Distilled spirits (nonbeverage).....	42, 259	27, 710	24, 825	23, 179	23, 752	18, 757
Distilled spirits (beverage).....	113	83	9	2	47	( <sup>2</sup> )
Rectified spirits or wines.....	19	17	22	13	8	16
Still or sparkling wines, cordials, etc.....	1, 306	1, 532	1, 454	1, 595	1, 679	796
Grape brandy used in fortifying sweet wines.....	1, 116	377	665	475	322	401
Rectifiers, dealers, manufacturers of stills, etc. (special taxes).....	543	450	484	533	535	1, 148
Stamps for spirits for export.....	2	2	1	1	( <sup>2</sup> )	( <sup>2</sup> )
Case stamps for spirits bottled in bond.....	69	99	93	88	88	67
Miscellaneous collections.....	136	83	27	17	4	10
<b>Fermented liquors</b> .....	<b>46</b>	<b>4</b>	<b>5</b>	<b>2</b>	<b>16</b>	<b>1</b>
<b>Tobacco</b> .....	<b>270, 759</b>	<b>309, 015</b>	<b>325, 639</b>	<b>345, 947</b>	<b>370, 686</b>	<b>376, 170</b>
Cigars (large).....	44, 184	47, 273	45, 205	43, 347	38, 319	23, 545
Cigars (small).....	969	865	756	731	533	353
Cigarettes (large).....	118	131	126	110	127	87
Cigarettes (small).....	150, 128	182, 585	203, 651	225, 033	254, 825	278, 929
Snuff.....	6, 948	7, 175	7, 005	6, 754	6, 918	6, 908
Tobacco, chewing and smoking.....	66, 342	68, 858	66, 700	66, 922	67, 711	65, 070
Cigarette papers and tubes.....	1, 002	1, 096	1, 029	1, 189	1, 061	1, 170
Manufacturers (special taxes).....	988	1, 005	1, 137	1, 126	1, 132	-----
Miscellaneous collections.....	82	28	28	36	41	109
<b>Revenue acts of 1918, 1921, 1924, and 1926</b> .....	<b>646, 729</b>	<b>458, 415</b>	<b>490, 277</b>	<b>326, 607</b>	<b>341, 181</b>	<b>142, 327</b>
Stamps, documentary, etc.—						
Sales by postmasters.....	14, 617	11, 843	12, 418	7, 738	7, 881	35
Bonds, capital stock issues, conveyances, etc.....	26, 731	32, 760	30, 613	20, 125	20, 600	13, 009
Capital-stock transfers.....	9, 013	9, 872	7, 937	12, 809	17, 137	16, 674
Sales of produce (future deliveries).....	5, 559	7, 015	7, 558	5, 397	4, 183	2, 885
Playing cards.....	2, 788	3, 385	3, 732	3, 183	4, 212	4, 742
Transportation of freight, express, and persons, seats, berths, and staterooms, and oil by pipe lines.....	169, 519	-----	-----	-----	-----	-----
Telegraph, telephone, and radio messages.....	28, 087	29, 188	33, 239	-----	-----	-----
Leased wires or talking circuits.....	1, 185	1, 192	1, 424	-----	-----	-----
Insurance (life, marine, inland, and casualty).....	10, 855	-----	-----	-----	-----	-----
Excise taxes—						
Automobile trucks.....	8, 405	10, 679	11, 511	7, 808	6, 817	-----
Other automobiles and motor cycles.....	56, 685	92, 737	112, 871	94, 142	113, 133	66, 438
Tires, parts, or accessories for automobiles, etc.....	39, 345	40, 875	33, 634	22, 737	18, 205	-----
Pianos, organs, etc.....	4, 952	-----	-----	-----	-----	-----

<sup>1</sup> Includes income tax on Alaska railroads (act of July 18, 1914); also includes in the fiscal year 1923 payments of the third and fourth installments of the profits tax for the calendar year 1921.

<sup>2</sup> Less than \$500.

**No. 182.—INTERNAL REVENUE: RECEIPTS FROM EACH SPECIFIC SOURCE,  
YEARS ENDED JUNE 30—Continued**

[All figures in thousands of dollars]

Sources	1922	1923	1924	1925	1926	1927
<b>Revenue acts of 1918, 1921, 1924, and 1926—Continued</b>						
<b>Excise taxes—Continued.</b>						
Tennis rackets, sporting goods, etc.....	2, 216					
Chewing gum.....	743					
Cameras and lenses.....	682	892	718	654	604	
Photographic films, etc.....	744	718	889	877	659	
Candy.....	13, 594	11, 315	11, 804			
Pistols and revolvers.....	3, 375	4, 330	3, 370	3, 664	51	193
(Other fire arms, shells, etc.....					2, 567	
Hunting and bowie knives.....	22	30	21			
Dirk knives, daggers, etc.....	7	1	4			
Portable electric fans.....	125					
Thermos bottles.....	89				50	
Cigar holders, pipes, etc.....	165	240	319	65	323	
Automatic slot-device machines.....	89	137	183	391		
Liveries, livery boots, etc.....	112	138	145			
Hunting garments, etc.....	231	168	173			
Articles made of fur.....	6, 524					
Yachts, motor boats, etc.....	407	267	259		7	
Mah-jong and similar tile sets.....				20		
Toilet soap and toilet-soap powders.....	1, 325					
Motion-picture films leased.....	3, 679					
Sculpture, paintings, statuary, etc.....	583	838	756	822	420	
Carpets, rugs, trunks, valises, purses, portable lighting fixtures, etc.....	8, 413	1, 401	1, 582			
Jewelry, watches, clocks, opera glasses, etc.....	19, 514	20, 298	22, 634	9, 673	7, 308	
Perfumes, cosmetics, and medicinal articles.....	2, 305					
Beverages (nonalcoholic).....	33, 504	10, 132	10, 419		54	199
Opium, coca leaves, including special taxes, etc.....	1, 269	1, 013	1, 057	1, 091	982	798
<b>Special taxes—</b>						
Corporations, on value of capital stock.....	80, 612	81, 568	87, 472	90, 003	97, 386	8, 970
Brokers, stock, etc.....	1, 934	1, 643	1, 574	1, 327	940	
Theaters, museums, circuses, etc.....	1, 863	1, 865	1, 623			
Bowling alleys, billiard and pool tables.....	2, 500	2, 371	2, 313	2, 290	1, 715	
Shooting galleries.....	21	19	17	17	14	
Riding academies.....	13	13	11	12	8	
Passenger automobiles for hire.....	1, 786	1, 907	2, 014	1, 865	1, 648	
Yachts, power boats, etc.....	546	216	263	301	223	8
Admissions to theaters, concerts, etc.....	73, 385	70, 175	77, 713	30, 908	23, 981	17, 941
Dues of clubs.....	6, 616	7, 171	8, 010	8, 691	10, 074	10, 436
<b>Miscellaneous.....</b>	<b>8, 016</b>	<b>6, 162</b>	<b>7, 962</b>	<b>15, 782</b>	<b>4, 380</b>	<b>5, 696</b>
Adulterated and process or renovated butter, filled cheese, and mixed flour.....	33	53	49	25	22	21
Oleomargarine, colored.....	404	679	989	1, 232	1, 074	1, 162
Oleomargarine, uncolored.....	453	508	571	510	589	620
Oleomargarine manufacturers and dealers (special taxes).....	1, 174	1, 068	1, 254	1, 297	1, 407	1, 383
Collections under prohibition laws.....	1, 980	729	855	561	416	503
Internal revenue collected through customs offices.....	496	109	29	51	55	40
Other miscellaneous receipts.....	3, 386	3, 016	4, 204	12, 106	816	1, 969

<sup>1</sup> Tax due prior to July 1, 1926.

<sup>2</sup> Tax on foreign-built yachts and boats only, purchased after July 1, 1926.

<sup>3</sup> Consists chiefly of delinquent taxes collected under repealed laws.

Source: Annual Report of the Commissioner of Internal Revenue.

## No. 188.—INTERNAL REVENUE: RECEIPTS BY STATES, YEARS ENDED JUNE 30

[NOTE.—The internal revenue, especially the miscellaneous revenue, collected in a given State may bear little relation to the amount of taxes ultimately falling upon the people living in that State]

[All figures in thousands of dollars]

Division and State	Income taxes				Miscellaneous internal revenue			
	1934	1935	1936	1937	1934	1935	1936	1937
<b>Total</b>	<b>1,841,759</b>	<b>1,781,859</b>	<b>1,874,104</b>	<b>2,219,962</b>	<b>954,430</b>	<b>822,481</b>	<b>861,896</b>	<b>945,731</b>
<b>New England</b>	<b>168,954</b>	<b>164,180</b>	<b>157,744</b>	<b>168,901</b>	<b>50,328</b>	<b>44,881</b>	<b>30,845</b>	<b>18,187</b>
Maine	8,979	7,683	8,501	8,564	4,967	1,243	1,192	1,902
New Hampshire	4,038	3,222	3,013	3,007	1,767	1,237	1,113	406
Vermont	2,936	3,002	2,661	2,656	655	339	740	164
Massachusetts	100,857	90,444	100,017	105,269	28,824	19,465	28,830	9,481
Rhode Island	16,242	14,234	14,461	12,905	3,998	2,131	3,435	803
Connecticut	36,902	26,866	39,001	33,800	10,105	10,888	5,535	2,311
<b>Middle Atlantic</b>	<b>774,485</b>	<b>752,011</b>	<b>837,153</b>	<b>953,514</b>	<b>397,579</b>	<b>363,367</b>	<b>361,365</b>	<b>174,290</b>
New York	606,694	496,710	569,505	649,299	183,321	161,876	164,224	105,790
New Jersey	69,620	65,137	72,252	81,301	42,640	44,063	40,119	32,662
Pennsylvania	198,271	189,164	195,396	222,915	71,416	57,426	66,922	35,848
<b>East North Central</b>	<b>414,463</b>	<b>406,310</b>	<b>469,078</b>	<b>518,847</b>	<b>361,489</b>	<b>308,438</b>	<b>315,883</b>	<b>121,416</b>
Ohio	95,412	95,526	109,071	117,649	58,112	46,971	45,685	29,782
Indiana	26,384	23,703	24,923	28,406	19,383	14,744	14,715	7,709
Illinois	161,072	159,416	176,861	194,971	63,769	42,416	38,859	22,408
Michigan	104,378	100,868	122,570	141,639	117,002	94,858	103,059	56,360
Wisconsin	27,216	26,898	28,650	35,682	12,233	9,463	10,945	5,156
<b>West North Central</b>	<b>107,649</b>	<b>97,960</b>	<b>112,471</b>	<b>130,760</b>	<b>45,539</b>	<b>38,087</b>	<b>30,336</b>	<b>18,849</b>
Minnesota	23,856	22,427	28,384	26,219	7,731	5,568	5,514	2,224
Iowa	12,854	10,717	11,112	11,726	5,092	2,637	2,840	941
Missouri	44,116	42,468	49,603	55,903	24,678	18,994	18,325	14,292
North Dakota	771	668	778	740	511	257	240	58
South Dakota	1,170	859	858	737	—	340	257	86
Nebraska	7,459	5,681	5,173	5,808	3,333	1,804	1,366	370
Kansas	17,323	15,141	15,563	19,627	3,412	2,289	1,873	593
<b>South Atlantic</b>	<b>134,981</b>	<b>117,900</b>	<b>143,138</b>	<b>166,517</b>	<b>303,616</b>	<b>310,690</b>	<b>343,135</b>	<b>393,399</b>
Delaware	9,127	6,564	9,540	14,319	1,678	1,753	2,092	1,056
District of Columbia	24,184	12,481	15,191	16,020	3,378	1,950	1,875	2,207
Maryland	25,562	25,111	25,646	29,627	8,787	5,949	4,824	2,852
Virginia	16,048	15,304	17,827	20,781	29,944	33,324	42,959	58,390
West Virginia	14,387	12,044	11,654	15,750	5,609	4,431	3,975	2,606
North Carolina	18,173	15,878	17,078	19,205	139,800	151,085	174,726	186,447
South Carolina	7,544	5,788	4,176	3,626	1,894	836	721	250
Georgia	13,670	12,614	12,437	13,699	5,312	2,587	1,795	578
Florida	8,006	12,119	33,969	35,590	7,814	8,705	9,218	8,893
<b>East South Central</b>	<b>39,331</b>	<b>37,806</b>	<b>37,640</b>	<b>43,744</b>	<b>23,738</b>	<b>20,744</b>	<b>19,663</b>	<b>18,179</b>
Kentucky	14,285	14,325	14,639	16,258	14,290	13,899	12,206	11,423
Tennessee	11,943	11,770	11,398	13,723	6,691	5,176	5,880	4,099
Alabama	7,984	8,288	8,276	10,458	1,817	1,152	1,179	525
Mississippi	4,009	3,483	3,527	3,325	940	527	440	135
<b>West South Central</b>	<b>59,156</b>	<b>55,795</b>	<b>69,643</b>	<b>88,670</b>	<b>19,193</b>	<b>15,076</b>	<b>12,679</b>	<b>4,845</b>
Louisiana	13,400	12,396	12,583	15,396	7,027	4,836	3,765	2,093
Texas	28,295	26,986	36,879	42,964	8,568	5,788	5,000	1,996
Oklahoma	11,028	9,820	15,789	23,257	2,492	1,801	2,265	363
Arkansas	5,432	4,693	4,392	5,053	1,105	649	542	206
<b>Mountain</b>	<b>22,478</b>	<b>23,501</b>	<b>29,561</b>	<b>34,892</b>	<b>7,890</b>	<b>4,931</b>	<b>11,720</b>	<b>3,199</b>
Montana	2,060	1,885	1,968	2,376	896	564	7,133	1,055
Wyoming	1,596	1,450	1,365	1,830	493	240	221	35
Colorado	11,544	11,741	11,976	12,657	3,684	2,474	2,855	517
New Mexico	891	733	635	658	240	121	104	22
Arizona	1,592	1,417	1,574	1,673	540	291	409	64
Utah	2,937	3,386	3,463	3,769	1,150	761	601	154
Nevada	581	452	451	501	180	165	135	62
Idaho	1,271	1,437	1,129	1,428	705	312	262	49
<b>Pacific</b>	<b>115,367</b>	<b>119,003</b>	<b>130,889</b>	<b>131,899</b>	<b>43,158</b>	<b>32,939</b>	<b>34,465</b>	<b>35,346</b>
Washington	14,723	12,334	12,157	13,192	4,283	2,606	2,047	—
Oregon	8,242	6,784	6,389	6,198	2,258	1,440	1,091	514
California	92,401	92,885	101,713	112,309	36,626	28,893	33,347	27,180
<b>Philippine Islands</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>760</b>	<b>819</b>	<b>789</b>	<b>377</b>
Hawaii	5,021	5,987	6,061	5,144	775	683	—	167
Alaska	190	194	151	143	40	24	17	4

Source. Annual Report of the Commissioner of Internal Revenue.

## No. 184.—PERSONAL INCOME TAX RETURNS: ANALYSIS

[NOTE.—All money figures, except averages per return and per capita, in millions of dollars. Data for 1919 to 1924 relate to returns reporting net income of \$1,000 and over; for 1925, \$1,500 and over. All income tax tables include data for Alaska and Hawaii]

	1919	1920	1921	1922	1923	1924	1925
Total income.....	22,438	22,691	23,322	24,372	24,342	29,579	26,272
Wages and salaries.....	10,756	15,270	13,813	13,694	14,195	13,618	9,742
Business.....	3,878	3,206	2,366	2,840	4,723	4,755	3,699
Partnerships <sup>1</sup> .....	1,831	1,701	1,341	1,427	1,676	1,810	1,827
Profits from sales of real estate, stocks, bonds, etc.....	999	1,021	463	1,742	1,863	1,125	1,992
Rents and royalties.....	1,019	1,047	1,178	1,225	1,814	2,010	1,471
Interest and investment income <sup>2</sup> .....	1,437	1,648	1,643	1,997	2,507	2,591	2,120
Items exempt from normal tax, total.....	2,517	2,797	2,524	2,948	3,409	3,670	4,431
Dividends.....	2,454	2,736	2,477	2,664	3,120	3,251	3,465
Interest on Government obligations.....	63	62	47	34	44	30	26
Capital net gain from sale of assets held over 2 years.....				249	305	389	940
General deductions, including contributions.....	2,578	2,955	3,752	3,536	4,470	3,323	3,377
Net income.....	19,860	23,736	19,577	21,336	24,777	25,656	21,896
Exemptions from normal tax.....	11,941	15,532	16,716	17,649	20,743	19,909	16,653
Personal exemption.....	9,424	12,835	14,192	14,702	17,275	16,329	12,228
Above items exempt from normal tax.....	2,517	2,797	2,524	2,947	3,469	3,670	4,430
Less exemptions in excess of net income.....	449	702	2,714	2,740	2,662	2,375	1,506
Net exemptions.....	11,493	14,930	14,002	14,909	17,681	17,624	15,158
Net income subject to normal tax.....	8,367	8,806	5,575	6,427	6,896	8,033	6,742
Less prior year loss.....				45	34	30	32
Net balance taxed.....	8,367	8,806	5,575	6,382	6,862	8,003	6,711
Normal tax.....	468	478	308	355	284	258	218
Surtax.....	802	597	411	475	349	438	423
Net tax on capital net gain from sale of assets held over 2 years <sup>3</sup> .....				31	29	39	110
Less tax credit of 25 per cent on earned net income.....						31	25
Net tax.....	1,270	1,075	719	831	632	704	736
Number of returns (thousands).....	5,333	7,200	6,662	6,787	7,698	7,370	4,171
Average net income per return.....	\$3,724	\$3,269	\$2,939	\$3,143	\$3,219	\$3,481	\$5,249
Average tax per return.....	\$238	\$148	\$108	\$127	\$86	\$96	\$176
Averages per capita of total population.....							
Net income returned.....	\$187	\$224	\$185	\$195	\$223	\$228	\$189
Tax.....	\$11.96	\$10.14	\$6.79	\$7.85	\$5.95	\$6.27	\$6.35

<sup>1</sup> Income from fiduciaries included with partnerships in 1919 to 1921, other years, with interest and investment income.

<sup>2</sup> Exclusive of capital net gain from sale of assets held over 2 years.

<sup>3</sup> Tax (12½ per cent) on capital net gain from sale of assets held for more than 2 years, less tax credit of 12½ per cent on capital net loss on such sales.

## No. 185.—PERSONAL INCOME TAX RETURNS: By Family Relationship

	1920	1921	1922	1923	1924	1925
Number of returns.....	7,356,944	6,663,176	6,787,481	7,698,331	7,368,768	4,171,061
Joint returns <sup>1</sup> .....	3,775,261	3,477,592	3,566,302	4,505,729	3,991,551	2,074,849
Wives making separate returns from husbands.....	77,558	89,634	101,319	170,573	173,225	120,368
Men—Heads of families.....	474,574	401,662	392,356	413,682	394,201	274,139
Women—Heads of families.....	132,181	115,356	125,929	157,669	153,279	96,562
All other—Men.....	2,256,665	1,945,009	1,823,625	1,697,031	1,805,258	1,193,379
All other—Women.....	503,690	608,829	740,500	718,080	773,314	392,186
Community property income.....	40,115	24,094	27,540	35,557	18,960	19,578
Net income (1,000 dollars).....	23,736,628	19,577,813	21,336,213	24,777,466	25,656,163	21,894,876
Joint returns <sup>1</sup> .....	14,985,746	12,448,419	13,673,814	16,711,847	16,695,378	13,772,705
Wives making separate returns from husbands.....	534,840	498,170	638,862	847,110	955,000	1,023,921
Men—Heads of families.....	1,394,464	1,066,537	1,091,277	1,190,175	1,227,022	1,103,331
Women—Heads of families.....	388,365	309,461	361,518	448,887	445,185	406,658
All other—Men.....	4,896,603	3,788,543	3,758,959	3,628,421	4,223,497	2,716,460
All other—Women.....	1,364,966	1,302,398	1,603,594	1,688,707	1,883,757	1,540,291
Community property income.....	287,655	175,684	208,169	262,319	226,314	261,210

<sup>1</sup> Data for 1920 to 1924 relate to returns reporting net income of \$1,000 and over; for 1925, \$1,500 and over.

<sup>2</sup> Joint returns of husbands and wives. Also includes returns of husbands whose wives, though living with them, filed separate returns.

Source of Tables 184 and 185: Statistics of Income, Reports of the Commissioner of Internal Revenue.



No. 186.—PERSONAL INCOME TAX RETURNS: BY INCOME CLASSES

[NOTE.—Data for 1919 to 1924 relate to returns reporting net income of \$1,000 and over; for 1925, \$1,500 and over. The net income here shown is subject to deduction of exemptions to give net income subject to tax, see Tables 184 and 187]

Income class (net income)	1919	1920	1921	1922	1923	1924	1925
Number of returns	5,332,760	7,259,944	6,062,176	6,787,481	7,098,321	7,369,788	4,171,051
Under \$1,000.....			401,849	402,076	368,502	344,876	98,178
\$1,000 to \$2,000.....	1,924,872	2,671,950	2,440,544	2,471,181	2,523,150	2,413,881	1,071,992
\$2,000 to \$3,000.....	1,569,741	2,569,316	2,222,031	2,129,898	2,472,641	2,112,993	842,528
\$3,000 to \$5,000.....	1,180,488	1,337,116	1,072,146	1,190,115	1,719,625	1,800,900	1,327,683
\$5,000 to \$10,000....	438,851	455,442	353,247	391,373	387,842	437,330	503,652
\$10,000 to \$25,000...	162,485	171,830	132,344	151,329	170,095	191,216	236,779
\$25,000 to \$50,000...	37,477	38,548	28,946	35,478	39,832	47,061	59,721
\$50,000 to \$100,000...	13,320	12,093	8,717	12,000	12,452	15,816	20,958
\$100,000 to \$150,000..	2,983	2,191	1,367	2,171	2,339	3,065	4,759
\$150,000 to \$300,000..	1,864	1,063	739	1,323	1,301	1,876	3,223
\$300,000 to \$500,000..	425	239	162	309	327	457	892
\$500,000 to \$1,000,000	189	123	63	161	141	242	479
\$1,000,000 and over	65	33	21	67	74	75	207
In thousands of dollars							
Net income.....	19,859,491	23,735,629	19,577,213	21,336,213	24,777,466	25,656,153	21,894,576
Under \$1,000.....			213,850	247,564	252,513	235,452	58,306
\$1,000 to \$2,000.....	2,829,113	4,050,067	3,620,762	3,630,571	3,693,642	3,564,474	1,774,601
\$2,000 to \$3,000.....	3,807,286	6,184,543	5,325,931	5,153,497	6,073,444	5,277,147	2,047,970
\$3,000 to \$5,000.....	4,513,264	5,039,607	4,054,891	4,500,558	6,469,195	6,827,924	5,236,003
\$5,000 to \$10,000....	2,954,137	3,068,331	2,378,759	2,641,905	2,653,026	2,991,188	3,463,852
\$10,000 to \$25,000...	2,412,276	2,547,905	1,958,156	2,255,872	2,538,079	2,855,397	3,544,898
\$25,000 to \$50,000...	1,277,365	1,307,785	979,629	1,208,274	1,350,680	1,599,848	2,032,239
\$50,000 to \$100,000...	896,497	810,386	582,230	805,224	833,898	1,066,784	1,418,948
\$100,000 to \$150,000..	358,393	265,512	163,521	260,204	280,656	377,645	572,860
\$150,000 to \$300,000..	371,149	215,139	145,948	266,814	260,584	374,609	655,300
\$300,000 to \$500,000..	159,071	89,314	61,343	116,672	124,569	171,249	339,774
\$500,000 to \$1,000,000	128,290	79,963	42,780	107,671	95,107	158,462	327,368
\$1,000,000 and over	152,650	77,078	49,411	141,387	152,072	155,974	422,457
Tax yield (normal and surtax) <sup>1</sup> .....	1,269,630	1,075,054	719,387	861,057	661,666	704,265	734,555
Under \$1,000.....			174	247	317	146	69
\$1,000 to \$2,000.....	24,696	36,860	29,161	27,081	18,253	10,432	1,704
\$2,000 to \$3,000.....	28,258	45,508	20,712	20,730	16,606	10,207	3,809
\$3,000 to \$5,000.....	75,915	83,496	42,744	47,533	46,048	26,865	8,326
\$5,000 to \$10,000....	91,538	97,886	68,871	70,388	54,075	28,828	19,149
\$10,000 to \$25,000...	164,883	172,259	126,886	123,576	103,109	78,069	74,172
\$25,000 to \$50,000...	154,946	154,265	112,910	125,697	103,601	109,360	120,689
\$50,000 to \$100,000...	186,358	163,718	115,712	144,093	108,879	136,636	147,843
\$100,000 to \$150,000..	118,705	86,588	52,330	71,337	55,719	75,678	79,472
\$150,000 to \$300,000..	163,095	92,604	61,496	98,810	62,104	92,481	103,059
\$300,000 to \$500,000..	86,031	47,043	31,860	43,488	31,669	45,771	55,722
\$500,000 to \$1,000,000	76,228	45,641	25,112	38,559	25,498	42,585	53,674
\$1,000,000 and over	99,027	49,185	31,420	49,518	35,788	47,207	66,867
Average tax rate on net income, per cent.....	6.39	4.53	3.67	4.04	2.67	2.74	3.35
Under \$1,000.....			.08	.10	.13	.06	.12
\$1,000 to \$2,000.....	.87	.91	.81	.75	.49	.29	.10
\$2,000 to \$3,000.....	.74	.74	.39	.40	.27	.19	.19
\$3,000 to \$5,000.....	1.68	1.66	1.05	1.06	.71	.39	.16
\$5,000 to \$10,000....	3.10	3.19	2.90	2.66	2.04	.96	.55
\$10,000 to \$25,000...	6.83	6.76	6.48	5.48	4.06	2.73	2.09
\$25,000 to \$50,000...	12.13	11.80	11.53	10.40	7.67	6.84	5.94
\$50,000 to \$100,000...	20.79	20.20	19.87	17.89	13.06	12.81	10.42
\$100,000 to \$150,000..	33.12	32.61	32.00	27.42	19.85	20.04	13.87
\$150,000 to \$300,000..	43.94	43.04	42.14	37.03	23.83	24.69	15.73
\$300,000 to \$500,000..	54.08	52.67	51.94	37.27	25.42	26.73	16.40
\$500,000 to \$1,000,000	59.42	57.08	58.70	35.81	26.81	26.87	16.39
\$1,000,000 and over	64.87	63.81	63.59	35.02	23.53	30.27	15.83

<sup>1</sup> Beginning 1922, includes tax on capital net gain from sale of assets held more than two years less tax credit on capital net loss in 1924 and 1925.

Source: Statistics of Income, Reports of the Commissioner of Internal Revenue, Treasury Department.

## No. 187.—PERSONAL INCOME TAX RETURNS: ANALYSIS, BY INCOME CLASSES, 1925

Income class (net income)	Number of returns	Total income	General deductions, including contributions	Net income	Exemptions from normal tax				Prior year loss deduction
					Personal exemption	Dividends	Interest on Gov't obligations <sup>1</sup>	Capital net gain <sup>2</sup>	
In thousands of dollars									
Total	4,171,081	32,372,034	3,377,438	21,894,578	12,217,800	3,464,838	25,851	940,508	32,331
Under \$1,000, free <sup>3</sup>	83,519	134,331	84,034	50,297	226,179	9,295			
Under \$1,000, taxed	14,659	11,989	2,980	8,009	819	2,041			
\$1,000 to \$2,000, free <sup>3</sup>	507,846	959,337	156,575	802,761	1,419,306	34,180			
\$1,000 to \$2,000, taxed	564,146	1,044,635	72,795	971,840	826,267	11,728			
\$2,000 to \$3,000, free <sup>3</sup>	415,895	1,230,687	199,607	1,031,080	1,543,174	56,380			
\$2,000 to \$3,000, taxed	426,633	1,108,585	91,695	1,016,890	840,508	30,318			
\$3,000 to \$4,000, free <sup>3</sup>	475,240	1,902,373	229,916	1,672,459	1,925,568	76,117			
\$3,000 to \$4,000, taxed	272,047	1,064,952	119,897	975,055	654,697	40,198			
\$4,000 to \$5,000, free <sup>3</sup>	163,718	805,457	93,309	712,148	728,267	82,927			
\$4,000 to \$5,000, taxed	416,678	2,152,558	276,218	1,876,340	1,378,104	76,075			
\$5,000 to \$6,000, free <sup>3</sup>	11,213	79,508	18,928	60,576	47,252	24,579			43
\$5,000 to \$6,000, taxed	163,208	1,021,029	127,625	893,404	581,359	40,201			471
\$6,000 to \$10,000, free <sup>3</sup>	12,454	136,549	42,513	94,036	40,044	75,747			1,919
\$6,000 to \$10,000, taxed	316,777	2,807,186	391,350	2,415,837	1,129,277	180,762			668
\$10,000 to \$25,000	236,779	4,175,943	631,045	3,544,898	801,691	731,869	8,618		8,280
\$25,000 to \$50,000	59,721	2,363,270	331,031	2,032,239	192,634	618,308	6,564	28,979	4,606
\$50,000 to \$100,000	20,908	1,626,448	206,500	1,419,948	65,067	512,534	4,822	145,191	3,967
\$100,000 to \$150,000	4,769	650,392	77,532	572,860	14,182	225,872	1,857	102,065	1,149
\$150,000 to \$300,000	3,282	746,625	91,326	655,300	9,160	252,343	1,683	184,404	3,932
\$300,000 to \$500,000	892	387,180	47,407	339,773	2,375	119,121	1,142	124,034	2,434
\$500,000 to \$1,000,000	479	368,999	41,631	327,368	1,257	126,427	531	139,367	2,346
\$1,000,000 and over	207	465,008	42,546	422,457	538	187,606	436	236,539	138

Income class (net income)	Normal tax	Surtax	Net tax on capital net gain <sup>4</sup>	Tax credit of 25% on earned net income	Net tax	Average tax per individual (dollars)	Average rate of tax on net income (per cent)	Per cent distribution		
								Re- turns	Net in- come	Net tax
	In thousands of dollars									
Total.....	216,340	422,358	106,612	84,676	734,556	178.11	3.35	100.00	100.00	100.00
Under \$1,000, free <sup>3</sup>								2.00	23	
Under \$1,000, taxed.....	90			22	68	4.68	.86	35	.04	.01
\$1,000 to \$2,000, free <sup>3</sup>								12.18	3.66	
\$1,000 to \$2,000, taxed.....	2,347			543	1,704	3.02	.16	13.53	4.44	.23
\$2,000 to \$3,000, free <sup>3</sup>								9.97	4.71	
\$2,000 to \$3,000, taxed.....	5,003			1,193	3,810	8.93	.37	10.23	4.64	.52
\$3,000 to \$4,000, free <sup>3</sup>								11.39	7.64	
\$3,000 to \$4,000, taxed.....	4,332			1,029	3,303	12.14	.34	6.52	4.45	.45
\$4,000 to \$5,000, free <sup>3</sup>								3.93	3.26	
\$4,000 to \$5,000, taxed.....	6,601			1,577	5,024	12.06	.27	9.99	8.57	.68
\$5,000 to \$6,000, free <sup>3</sup>								27	.28	
\$5,000 to \$6,000, taxed.....	4,324			960	3,374	20.67	.38	3.91	4.06	.40
\$6,000 to \$10,000, free <sup>3</sup>								20	.43	
\$6,000 to \$10,000, taxed.....	19,200			3,424	15,776	49.80	.65	7.69	11.03	2.15
\$10,000 to \$25,000.....	59,964	22,536		8,327	74,173	313.25	2.00	5.68	19.19	10.00
\$25,000 to \$50,000.....	49,151	73,395	2,667	4,625	120,688	2,020.85	5.94	1.43	9.28	16.43
\$50,000 to \$100,000.....	31,468	101,940	16,344	1,910	147,843	7,054.24	10.42	.50	6.48	20.13
\$100,000 to \$150,000.....	11,089	57,154	11,705	476	79,472	16,699.26	13.87	.11	2.62	10.82
\$150,000 to \$300,000.....	11,631	72,711	19,057	340	103,059	31,976.05	15.73	.08	2.99	14.03
\$300,000 to \$500,000.....	4,972	36,132	14,804	186	55,722	62,468.50	16.40	.02	1.56	7.59
\$500,000 to \$1,000,000.....	3,380	33,649	16,492	47	53,674	112,064.65	16.40	.01	1.50	7.31
\$1,000,000 and over.....	2,907	35,136	28,845	21	66,867	323,031.50	15.83	.01	1.98	9.10

<sup>1</sup> If not wholly exempt from tax.<sup>2</sup> Relates to net gain from sale of assets held for more than two years, exempt from normal tax but subject to a special tax.<sup>3</sup> Specific exemptions exceed net income.<sup>4</sup> Tax (12½ per cent) on capital net gain from sale of assets held for more than two years, less tax credit of 12½ per cent on capital net loss on such sales.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

# No. 188.—PERSONAL INCOME TAX RETURNS: TOTAL INCOME BY INCOME CLASSES, DISTRIBUTED BY SOURCES OF INCOME, 1925

[NOTE.—For total income and items exempt from normal tax see Table 187]

Income class (net income)	Income from personal industry and business				Income from property			
	Wages and salaries	Business	Partnerships	Profits from sales of real estate, securities, etc. <sup>1</sup>	Rents and royalties	Dividends	Interest and investment income <sup>2</sup>	Interest on Government obligations <sup>3</sup>
In thousands of dollars								
Total .....	\$, 742, 180	3, 688, 804	1, 897, 025	2, 532, 229	1, 471, 329	2, 684, 615	2, 120, 306	\$5, 661
Under \$1,000 free <sup>4</sup> .....	39, 505	37, 277	3, 679	3, 929	25, 450	2, 295	15, 156	----
Under \$1,000 taxed .....	1, 121	602	216	639	3, 066	2, 041	4, 304	----
\$1,000 to \$2,000 free <sup>4</sup> .....	596, 775	172, 532	18, 264	10, 531	70, 902	34, 180	56, 153	----
\$1,000 to \$2,000 taxed .....	838, 774	57, 379	15, 919	9, 124	47, 588	11, 726	66, 126	----
\$2,000 to \$3,000 free <sup>4</sup> .....	556, 558	380, 674	36, 329	20, 141	107, 050	56, 380	78, 597	----
\$2,000 to \$3,000 taxed .....	723, 347	104, 336	32, 304	24, 728	83, 684	30, 318	109, 848	----
\$3,000 to \$4,000 free <sup>4</sup> .....	1, 060, 397	434, 292	73, 180	33, 379	118, 142	76, 117	97, 868	----
\$3,000 to \$4,000 taxed .....	515, 556	203, 871	52, 980	45, 848	111, 704	40, 198	124, 826	----
\$4,000 to \$5,000 free <sup>4</sup> .....	432, 502	145, 244	37, 371	19, 335	38, 986	82, 927	49, 092	----
\$4,000 to \$5,000 taxed .....	934, 795	528, 959	134, 014	100, 566	185, 194	76, 075	190, 956	----
\$5,000 to \$6,000 free <sup>4</sup> .....	25, 362	10, 444	2, 967	4, 112	4, 954	24, 579	7, 085	----
\$5,000 to \$6,000 taxed .....	469, 230	219, 268	57, 338	59, 844	67, 710	40, 201	77, 438	----
\$6,000 to \$10,000 free <sup>4</sup> .....	25, 571	5, 121	2, 441	8, 127	5, 943	75, 747	12, 590	----
\$6,000 to \$10,000 taxed .....	1, 177, 067	519, 693	268, 706	245, 852	174, 243	180, 763	240, 802	----
\$10,000 to \$25,000 .....	1, 298, 968	517, 490	410, 047	572, 067	222, 051	731, 809	414, 237	8, 616
\$25,000 to \$50,000 .....	545, 360	195, 321	235, 471	415, 394	98, 473	618, 366	248, 379	6, 564
\$50,000 to \$100,000 .....	293, 812	93, 445	167, 947	346, 020	54, 478	612, 634	160, 390	4, 822
\$100,000 to \$150,000 .....	86, 168	24, 337	68, 041	173, 223	17, 468	225, 872	53, 426	1, 857
\$150,000 to \$300,000 .....	70, 237	22, 504	85, 089	244, 412	17, 089	252, 343	52, 608	1, 683
\$300,000 to \$500,000 .....	27, 492	8, 684	37, 573	163, 143	8, 184	119, 120	21, 642	1, 142
\$500,000 to \$1,000,000 .....	14, 739	3, 324	28, 445	167, 355	4, 402	120, 428	21, 875	581
\$1,000,000 and over .....	7, 806	1, 837	28, 135	263, 959	4, 571	137, 604	20, 653	436
Per cent of total income of class derived from each source								
Total .....	38. 56	14. 60	7. 22	11. 60	5. 88	18. 71	8. 26	0. 10
Under \$1,000 free <sup>4</sup> .....	29. 41	27. 75	2. 74	2. 92	18. 98	6. 92	11. 28	----
Under \$1,000 taxed .....	9. 35	5. 02	1. 80	5. 33	25. 57	17. 03	35. 90	----
\$1,000 to \$2,000 free <sup>4</sup> .....	62. 21	17. 98	1. 91	1. 10	7. 30	3. 56	5. 85	----
\$1,000 to \$2,000 taxed .....	80. 10	5. 49	1. 53	87	4. 56	1. 12	6. 33	----
\$2,000 to \$3,000 free <sup>4</sup> .....	45. 22	30. 93	2. 95	1. 64	8. 70	4. 58	5. 98	----
\$2,000 to \$3,000 taxed .....	65. 25	9. 41	2. 91	2. 23	7. 55	2. 74	9. 91	----
\$3,000 to \$4,000 free <sup>4</sup> .....	56. 21	22. 83	3. 85	1. 76	6. 21	4. 00	5. 14	----
\$3,000 to \$4,000 taxed .....	47. 08	18. 62	4. 84	4. 19	10. 20	3. 87	11. 40	----
\$4,000 to \$5,000 free <sup>4</sup> .....	53. 70	18. 03	4. 64	2. 40	4. 84	10. 30	6. 09	----
\$4,000 to \$5,000 taxed .....	43. 52	24. 57	6. 23	4. 07	5. 40	3. 54	8. 87	----
\$5,000 to \$6,000 free <sup>4</sup> .....	31. 90	13. 14	3. 73	5. 17	6. 23	30. 92	8. 91	----
\$5,000 to \$6,000 taxed .....	45. 96	21. 48	8. 55	5. 86	6. 63	3. 94	7. 58	----
\$6,000 to \$10,000 free <sup>4</sup> .....	18. 73	3. 75	1. 79	5. 95	4. 35	55. 47	9. 96	----
\$6,000 to \$10,000 taxed .....	41. 93	18. 51	9. 57	8. 76	6. 21	6. 44	8. 58	----
\$10,000 to \$25,000 .....	31. 11	12. 39	9. 82	13. 71	5. 32	17. 53	9. 92	20
\$25,000 to \$50,000 .....	23. 08	8. 26	9. 95	17. 58	4. 17	26. 16	10. 51	28
\$50,000 to \$100,000 .....	17. 46	5. 87	10. 33	21. 29	3. 35	31. 53	9. 87	30
\$100,000 to \$150,000 .....	13. 25	3. 74	10. 46	26. 63	2. 69	34. 73	8. 21	39
\$150,000 to \$300,000 .....	9. 41	3. 01	11. 48	32. 74	2. 29	33. 80	7. 06	22
\$300,000 to \$500,000 .....	7. 10	2. 29	9. 71	42. 14	2. 11	30. 77	5. 59	39
\$500,000 to \$1,000,000 .....	4. 54	90	7. 71	45. 33	1. 19	34. 26	5. 93	14
\$1,000,000 and over .....	1. 68	40	8. 06	50. 77	98	29. 50	4. 44	09

<sup>1</sup> Includes capital net gain from sale of assets held more than two years exempt from normal tax but subject to a special tax (See Table 187)

<sup>2</sup> Including fiduciary income

<sup>3</sup> If not wholly exempt from tax.

<sup>4</sup> Specific exemptions exceed net income.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

# No. 189.—PERSONAL INCOME TAX RETURNS: INCOME DISTRIBUTED BY SOURCES, BY STATES AND TERRITORIES, 1925

[All figures in thousands of dollars]

State or Territory	Total income	From personal industry and business					From property		
		Wages and salaries	Business	Partnerships	Profits from sales of real estate, securities, etc. <sup>1</sup>	Rents and royalties	Dividends	Interest and investment income <sup>2</sup>	Interest on Government obligations <sup>3</sup>
<b>Total</b>	<b>25,972,035</b>	<b>9,742,180</b>	<b>3,683,804</b>	<b>1,627,025</b>	<b>2,923,229</b>	<b>1,471,332</b>	<b>3,464,835</b>	<b>2,190,206</b>	<b>25,651</b>
Alabama	149,607	61,873	23,686	15,875	11,579	13,345	12,278	11,064	107
Arizona	47,062	19,010	10,855	3,400	2,904	3,514	3,964	3,368	27
Arkansas	110,545	41,164	17,328	22,594	3,611	10,567	8,298	6,911	72
California	1,738,202	610,094	297,200	106,481	179,351	163,147	218,298	162,604	1,027
Colorado	172,298	73,204	29,338	9,824	10,603	11,146	21,763	15,816	254
Connecticut	458,889	163,134	65,778	22,020	56,426	20,317	92,786	37,591	637
Delaware	64,344	21,787	5,714	1,372	9,155	2,510	18,194	5,549	63
Dist. of Columbia	229,091	103,618	32,968	9,570	20,456	15,244	24,104	22,786	225
Florida	772,187	213,949	83,977	64,480	278,934	33,289	48,696	48,588	266
Georgia	212,647	96,180	32,888	19,019	17,434	14,756	20,486	11,787	97
Hawaii	50,613	22,308	5,489	1,173	2,958	2,793	12,569	3,306	17
Idaho	46,211	20,579	12,987	3,261	1,064	2,429	2,549	3,349	8
Illinois	2,267,519	872,666	337,771	154,718	255,024	176,781	294,224	174,434	1,891
Indiana	896,187	177,403	72,791	26,867	31,642	25,931	43,602	16,447	804
Iowa	234,741	90,630	45,875	18,848	9,946	16,632	26,449	20,222	99
Kansas	163,701	60,860	42,636	12,794	8,930	18,101	11,020	9,297	77
Kentucky	209,071	80,017	33,942	16,013	19,354	14,197	31,504	13,642	401
Louisiana	228,661	92,970	36,897	20,288	19,403	16,381	25,269	17,213	239
Maine	111,254	37,942	19,474	2,104	13,553	4,323	19,171	14,589	98
Maryland	412,563	169,812	54,535	25,290	43,981	18,738	56,493	44,390	324
Massachusetts	1,293,265	466,430	180,625	89,620	150,066	50,372	236,737	118,351	1,262
Michigan	1,057,660	420,255	157,952	55,590	136,540	65,527	143,124	78,057	615
Minnesota	361,661	142,821	77,485	21,591	18,647	20,162	47,306	33,340	319
Mississippi	90,156	31,007	21,978	9,932	6,776	6,925	6,906	6,587	48
Missouri	617,457	264,010	88,454	34,225	34,474	46,041	97,098	42,219	638
Montana	77,390	33,471	20,921	5,487	2,582	4,863	4,938	5,092	26
Nebraska	166,495	62,307	40,596	14,315	8,124	13,100	12,884	15,096	73
Nevada	22,062	10,024	5,301	1,990	1,073	1,116	1,310	1,242	6
New Hampshire	78,710	27,734	15,632	2,890	7,306	3,491	15,422	6,206	30
New Jersey	1,064,875	440,608	139,494	61,486	134,351	40,964	148,254	96,875	853
New Mexico	28,340	12,314	5,509	2,332	978	1,920	1,972	2,303	12
New York	5,542,956	2,093,583	545,278	510,953	799,952	191,170	853,892	540,338	7,800
North Carolina	202,589	86,898	34,519	10,645	17,548	17,073	26,782	8,902	160
North Dakota	42,243	19,083	14,102	1,232	543	1,733	1,785	3,761	4
Ohio	1,329,208	549,790	203,343	82,942	128,491	97,475	203,116	62,238	1,612
Oklahoma	268,631	84,436	48,071	22,699	31,917	32,980	19,782	26,776	268
Oregon	150,440	66,445	30,273	11,434	5,586	10,406	13,602	12,530	161
Pennsylvania	2,229,655	870,504	351,528	142,082	273,211	107,873	372,712	208,951	2,794
Rhode Island	180,535	66,286	24,490	7,046	18,996	8,726	35,976	18,816	198
South Carolina	70,946	34,771	11,696	4,280	2,813	4,133	6,903	6,226	22
South Dakota	64,350	26,798	20,119	5,353	1,124	3,830	2,354	4,710	32
Tennessee	261,447	85,611	34,395	18,789	12,031	15,413	23,172	11,924	112
Texas	615,248	219,737	115,311	57,542	41,679	69,775	54,984	55,596	624
Utah	71,188	32,794	15,389	4,131	2,923	3,340	8,360	4,336	16
Vermont	51,313	17,693	9,364	3,296	4,867	1,700	8,601	5,549	43
Virginia	201,878	83,532	35,049	13,042	14,917	13,813	26,729	14,504	202
Washington <sup>4</sup>	304,024	150,819	53,596	19,381	12,247	14,828	24,615	19,283	246
West Virginia	174,590	80,293	25,988	11,644	11,760	12,620	25,544	6,449	203
Wisconsin	498,657	206,681	86,875	42,101	31,305	23,493	55,727	50,343	232
Wyoming	38,374	17,047	10,120	3,068	1,004	2,316	2,319	2,483	16

<sup>1</sup> Includes capital net gain from sale of assets held more than two years exempt from normal tax but subject to special tax.

<sup>2</sup> Including fiduciary income.

<sup>3</sup> If not wholly exempt from tax.

<sup>4</sup> Includes Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

## INCOME TAXES

## No. 190.—PERSONAL INCOME TAX RETURNS:

[NOTE.—Data for 1920 to 1924, relate to returns reporting

State or Territory	Number of returns						Net income in thousands of dollars		
	1920	1921	1922	1923	1924	1925	1920	1921	1922
Total.....	7, 259, 944	8, 662, 176	8, 787, 481	7, 698, 321	7, 369, 788	4, 171, 051	23, 735, 629	19, 577, 213	21, 336, 213
Alabama.....	52, 984	43, 009	43, 612	51, 049	47, 591	26, 278	156, 605	117, 109	126, 908
Alaska.....	9, 899	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19, 401	( <sup>1</sup> )	( <sup>1</sup> )
Arizona.....	24, 812	18, 477	20, 079	22, 899	21, 301	10, 104	67, 280	48, 310	48, 460
Arkansas.....	38, 113	33, 830	32, 072	35, 788	35, 484	20, 597	118, 061	92, 617	95, 626
California.....	396, 973	386, 082	420, 923	517, 109	511, 218	305, 074	1, 329, 007	1, 168, 021	1, 357, 525
Colorado.....	74, 198	69, 676	67, 463	72, 366	73, 350	35, 808	219, 277	174, 491	184, 572
Connecticut.....	148, 195	123, 269	128, 431	149, 820	143, 406	74, 595	451, 738	343, 017	401, 720
Delaware.....	18, 937	15, 889	17, 141	19, 202	18, 892	9, 131	55, 633	43, 677	53, 981
Dist. of Col.....	69, 730	89, 966	77, 923	75, 796	77, 836	43, 293	208, 388	248, 346	231, 329
Florida.....	42, 210	42, 249	41, 531	49, 591	64, 306	76, 213	141, 105	119, 557	132, 047
Georgia.....	73, 325	67, 719	69, 988	71, 341	62, 651	37, 410	228, 620	180, 311	199, 433
Hawaii.....	13, 715	11, 481	11, 597	12, 421	12, 387	9, 306	55, 573	37, 840	37, 123
Idaho.....	25, 755	22, 976	23, 369	25, 012	21, 436	12, 907	67, 392	49, 738	51, 167
Illinois.....	542, 467	611, 558	614, 449	676, 489	652, 501	357, 448	1, 836, 957	1, 833, 920	1, 927, 637
Indiana.....	189, 587	150, 300	153, 469	178, 831	156, 845	80, 300	556, 062	406, 242	426, 366
Iowa.....	183, 398	111, 483	131, 870	135, 864	110, 404	50, 379	631, 561	313, 763	359, 563
Kansas.....	99, 255	88, 785	86, 915	86, 291	84, 080	34, 284	306, 413	217, 237	211, 062
Kentucky.....	78, 258	69, 496	69, 666	79, 091	72, 119	37, 315	243, 879	192, 274	200, 049
Louisiana.....	69, 340	67, 960	66, 972	67, 440	67, 658	40, 695	237, 109	197, 897	203, 665
Maine.....	47, 717	44, 397	43, 041	48, 435	42, 254	19, 444	143, 456	124, 629	129, 857
Maryland.....	148, 000	112, 963	110, 896	127, 770	126, 226	66, 152	482, 195	368, 691	386, 830
Massachusetts.....	401, 770	388, 442	397, 241	415, 100	378, 049	221, 530	1, 368, 407	1, 153, 008	1, 237, 893
Michigan.....	305, 075	250, 147	267, 953	350, 072	323, 733	188, 669	895, 679	657, 780	796, 412
Minnesota.....	154, 118	124, 501	122, 885	134, 360	128, 237	71, 291	453, 212	340, 834	348, 741
Mississippi.....	28, 022	25, 614	26, 897	27, 851	27, 213	16, 985	83, 954	60, 104	76, 982
Missouri.....	162, 199	172, 519	173, 728	192, 282	186, 784	109, 059	548, 130	499, 911	526, 388
Montana.....	45, 557	36, 907	38, 044	42, 809	44, 011	19, 239	109, 348	81, 528	83, 904
Nebraska.....	97, 729	71, 853	67, 503	70, 545	66, 512	35, 661	306, 363	179, 906	177, 969
Nevada.....	10, 381	9, 719	9, 723	10, 467	10, 664	6, 164	25, 338	22, 456	22, 397
New Hampshire.....	35, 983	32, 410	31, 787	36, 876	31, 532	16, 413	100, 432	62, 352	85, 577
New Jersey.....	296, 989	269, 096	301, 834	293, 503	299, 904	150, 874	977, 854	856, 856	1, 032, 262
New Mexico.....	13, 656	11, 780	11, 553	12, 202	11, 595	7, 203	36, 923	27, 838	28, 983
New York.....	1, 047, 634	1, 066, 637	1, 102, 748	1, 221, 654	1, 215, 640	751, 941	4, 030, 624	3, 617, 757	4, 110, 589
North Carolina.....	47, 342	44, 161	58, 009	68, 191	63, 864	38, 740	163, 800	127, 993	171, 929
North Dakota.....	24, 209	18, 440	18, 750	18, 054	19, 160	11, 715	66, 188	43, 033	43, 767
Ohio.....	447, 998	367, 096	364, 988	463, 017	418, 048	224, 643	1, 407, 388	1, 060, 028	1, 138, 935
Oklahoma.....	81, 785	69, 381	72, 063	70, 189	63, 357	40, 825	295, 791	191, 816	217, 556
Oregon.....	67, 640	62, 804	61, 879	69, 123	66, 669	32, 542	193, 652	159, 575	161, 226
Pennsylvania.....	672, 746	621, 103	587, 770	740, 478	713, 427	376, 923	2, 212, 178	1, 937, 292	2, 005, 570
Rhode Island.....	53, 128	48, 057	50, 076	66, 965	48, 792	29, 123	180, 304	157, 568	171, 410
South Carolina.....	33, 044	25, 160	26, 830	28, 225	28, 090	15, 727	109, 247	68, 256	72, 756
South Dakota.....	34, 670	21, 681	21, 465	21, 928	26, 506	17, 086	103, 578	47, 087	48, 950
Tennessee.....	65, 054	60, 949	63, 555	69, 081	66, 981	34, 689	212, 600	170, 970	190, 724
Texas.....	224, 617	200, 188	186, 865	200, 683	192, 735	109, 448	720, 720	536, 897	545, 902
Utah.....	30, 510	26, 128	27, 325	30, 242	28, 685	16, 101	82, 278	62, 713	67, 745
Vermont.....	19, 205	17, 746	17, 901	21, 752	20, 618	9, 559	59, 303	47, 562	51, 653
Virginia.....	92, 576	76, 257	71, 523	77, 451	71, 597	37, 507	273, 235	208, 332	207, 277
Washington.....	148, 067	115, 688	123, 216	136, 057	138, 181	178, 030	375, 980	262, 110	300, 523
West Virginia.....	96, 326	75, 277	69, 501	89, 263	75, 037	35, 810	287, 729	207, 157	196, 777
Wisconsin.....	150, 452	148, 457	160, 519	194, 050	179, 275	110, 485	436, 437	379, 754	401, 670
Wyoming.....	24, 594	22, 413	21, 943	23, 246	22, 947	10, 336	63, 245	51, 052	48, 827

<sup>1</sup> Alaska included in State of Washington.

## BY STATES AND TERRITORIES, 1920 TO 1925

[net income of \$1,000 and over, for 1925, \$1,500 and over.]

Net income in thousands of dollars—Contd.			Tax yield in thousands of dollars							State or Territory
1912	1924	1925	1920	1921	1922	1923	1924	1925		
24,777,446	25,654,133	31,894,376	1,075,064	719,387	861,057	881,886	704,365	734,565	Total.	
159,064	159,919	130,026	4,483	2,714	2,892	2,841	2,771	2,326	Alabama.	
(1)	(1)	(1)	349	(1)	(1)	(1)	(1)	(1)	Alaska.	
59,526	58,273	41,363	1,326	817	687	603	512	545	Arizona.	
109,794	110,255	84,474	3,268	1,896	2,314	2,060	1,458	1,434	Arkansas.	
1,697,903	1,741,094	1,490,420	50,448	30,428	43,779	39,959	37,681	37,127	California.	
200,573	205,098	150,363	6,767	3,863	4,870	3,268	3,163	2,841	Colorado.	
473,905	478,174	404,498	15,775	10,633	13,131	11,199	12,594	13,534	Connecticut.	
57,187	64,180	54,899	2,122	1,284	1,834	1,402	2,433	2,780	Delaware.	
221,951	253,313	200,354	8,537	7,705	8,337	6,098	5,766	5,718	District of Columbia.	
156,500	259,964	649,932	5,243	2,929	4,060	3,694	7,229	26,858	Florida.	
222,888	210,908	177,304	7,698	3,893	4,558	3,766	3,399	3,530	Georgia.	
42,829	46,395	41,465	4,076	1,452	1,887	1,319	1,482	944	Hawaii.	
59,390	52,302	40,444	1,067	494	479	426	261	171	Idaho.	
2,272,980	2,413,606	1,975,436	85,409	68,574	77,196	62,880	60,583	64,792	Illinois.	
510,507	461,717	344,267	15,780	8,974	9,579	7,683	6,656	7,609	Indiana.	
363,242	296,734	198,726	18,777	5,839	5,466	4,127	3,124	3,111	Iowa.	
215,347	302,034	141,511	8,351	3,892	3,246	2,119	1,918	2,222	Kansas.	
214,416	338,094	180,217	7,292	4,297	4,677	3,724	3,606	3,300	Kentucky.	
213,902	221,123	195,585	9,627	5,306	5,854	4,439	3,539	3,850	Louisiana.	
142,964	135,221	97,928	4,892	3,975	3,897	2,780	2,568	2,719	Maine.	
401,260	467,226	362,485	21,189	14,537	15,364	11,540	12,073	11,623	Maryland.	
1,413,016	1,320,157	1,182,390	69,399	46,535	57,781	42,528	40,857	41,052	Massachusetts.	
1,041,933	1,045,860	910,919	40,493	24,198	34,965	28,051	30,964	33,263	Michigan.	
372,377	375,589	305,945	15,170	8,697	9,419	7,084	6,721	6,126	Minnesota.	
83,494	82,653	72,751	2,495	1,069	1,804	1,686	1,166	989	Mississippi.	
806,276	622,523	533,836	21,878	14,680	15,973	13,085	12,873	14,247	Missouri.	
99,256	107,242	86,826	2,083	1,052	1,029	721	731	580	Montana.	
195,153	189,372	141,578	8,363	3,328	3,165	2,534	1,848	1,733	Nebraska.	
25,712	27,534	19,661	390	329	259	241	184	178	Nevada.	
104,852	94,123	70,118	2,721	1,759	2,134	1,643	1,377	1,219	New Hampshire.	
1,050,741	1,177,421	943,673	43,275	33,258	40,983	30,553	31,941	32,383	New Jersey.	
32,689	31,951	23,695	613	352	384	337	224	179	New Mexico.	
4,565,315	5,144,766	4,903,229	286,607	210,768	273,960	192,312	236,775	252,158	New York.	
206,639	200,899	161,624	9,621	3,767	4,909	4,767	3,778	3,179	North Carolina.	
42,974	48,690	35,895	1,106	486	453	276	268	163	North Dakota.	
1,457,697	1,403,749	1,141,453	56,285	33,574	39,310	33,062	32,062	30,321	Ohio.	
221,293	211,272	219,961	13,548	4,207	6,414	3,910	3,794	6,897	Oklahoma.	
189,854	189,884	132,023	6,649	4,952	4,240	2,892	2,025	1,785	Oregon.	
2,478,761	2,548,132	2,031,306	118,751	84,690	93,574	73,267	77,874	73,364	Pennsylvania.	
214,750	191,566	160,955	11,685	9,236	9,352	6,658	6,722	5,818	Rhode Island.	
87,031	79,614	57,662	3,237	1,247	1,268	1,565	727	431	South Carolina.	
50,171	66,124	53,971	2,228	525	549	350	306	192	South Dakota.	
226,034	224,184	168,198	7,565	3,984	4,903	4,284	3,420	3,126	Tennessee.	
613,495	638,109	496,820	25,401	12,668	14,120	10,678	10,226	9,767	Texas.	
79,943	82,088	61,635	1,507	843	956	726	599	660	Utah.	
64,800	63,631	45,857	2,259	1,156	1,574	1,333	978	920	Vermont.	
242,587	231,056	170,257	7,404	4,161	4,919	3,609	3,413	2,981	Virginia.	
351,985	393,962	272,545	9,095	4,910	5,148	3,926	3,231	2,717	Washington.	
280,243	227,000	144,777	8,517	4,579	4,595	3,876	2,796	2,134	West Virginia.	
547,040	496,690	418,618	13,233	8,971	9,127	9,019	7,344	6,799	Wisconsin.	
57,376	60,752	33,482	1,161	763	667	521	414	257	Wyoming.	

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

## No. 191.—PERSONAL INCOME TAX RETURNS:

State or Territory	Number of returns	Net income	Prior year loss deductions	Exemptions from normal tax				Normal tax
				Personal exemption	Dividends	Interest on Govt. obligations	Capital net gain	
		1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
<b>Total</b> .....	<b>4, 171, 061</b>	<b>31, 894, 876</b>	<b>32, 321</b>	<b>12, 327, 000</b>	<b>3, 444, 825</b>	<b>33, 451</b>	<b>940, 689</b>	<b>116, 390</b>
Alabama.....	26, 378	130, 025	188	81, 087	12, 278	107	1, 773	1, 180
Arizona.....	10, 104	41, 383	27	28, 507	3, 964	27	871	256
Arkansas.....	20, 597	84, 474	152	65, 969	8, 298	72	557	657
California.....	305, 074	1, 490, 420	4, 070	682, 167	218, 299	1, 027	39, 770	13, 387
Colorado.....	35, 806	150, 363	192	107, 497	21, 763	254	2, 745	969
Connecticut.....	74, 605	404, 498	231	213, 809	92, 786	■	17, 386	3, 469
Delaware.....	9, 131	54, 999	26	25, 654	18, 194	63	2, 260	490
Dist. of Columbia.....	43, 293	200, 354	20	114, 271	24, 104	235	6, 190	2, 013
Florida.....	76, 213	649, 932	1, 449	230, 978	68, 606	265	32, 231	11, 966
Georgia.....	37, 410	177, 204	295	117, 624	20, 496	98	3, 255	1, 489
Hawaii.....	9, 306	41, 465	—	31, 362	12, 500	17	492	216
Idaho.....	12, 907	40, 444	88	38, 645	2, 549	8	2	154
Illinois.....	357, 448	1, 975, 436	2, 598	1, 025, 183	294, 234	1, 891	82, 561	20, 586
Indiana.....	60, 800	344, 267	239	240, 064	43, 602	504	12, 391	2, 428
Iowa.....	50, 379	198, 736	204	148, 851	26, 449	99	2, 989	1, 134
Kansas.....	34, 284	141, 511	227	104, 051	11, 026	77	2, 172	1, 024
Kentucky.....	37, 315	180, 217	129	113, 481	31, 504	401	2, 855	1, 320
Louisiana.....	40, 693	195, 585	328	119, 949	25, 268	239	4, 064	1, 679
Maine.....	19, 444	97, 928	100	58, 354	19, 171	98	5, 200	739
Maryland.....	66, 152	362, 485	365	197, 604	56, 493	324	15, 914	3, 527
Massachusetts.....	221, 530	1, 132, 200	1, 201	629, 958	236, 737	1, 261	61, 278	10, 445
Michigan.....	188, 669	910, 910	795	516, 816	143, 125	615	47, 890	8, 014
Minnesota.....	71, 291	305, 945	279	212, 226	47, 296	319	5, 176	2, 044
Mississippi.....	16, 965	73, 751	491	55, 545	6, 905	46	387	560
Missouri.....	109, 059	533, 836	371	330, 177	87, 066	938	26, 244	4, 177
Montana.....	19, 239	66, 825	106	55, 751	4, 638	36	504	315
Nebraska.....	35, 661	141, 878	104	112, 570	12, 684	73	3, 210	820
Nevada.....	6, 164	19, 601	85	18, 297	1, 310	5	267	83
New Hampshire.....	16, 413	70, 115	125	47, 464	15, 422	30	1, 244	438
New Jersey.....	150, 874	943, 673	853	446, 932	148, 254	863	34, 563	10, 466
New Mexico.....	7, 303	23, 995	23	21, 577	1, 972	12	5	136
New York.....	751, 941	4, 963, 229	9, 508	2, 172, 206	853, 892	7, 800	318, 989	63, 100
North Carolina.....	38, 740	161, 624	95	126, 439	29, 783	100	1, 373	1, 055
North Dakota.....	11, 715	35, 695	10	39, 354	1, 785	4	4	123
Ohio.....	224, 643	1, 141, 453	1, 210	664, 834	203, 116	1, 613	41, 247	8, 942
Oklahoma.....	40, 825	219, 981	1, 021	136, 648	19, 782	268	20, 157	2, 074
Oregon.....	32, 542	132, 023	151	93, 152	13, 602	161	924	900
Pennsylvania.....	376, 923	2, 031, 306	2, 021	1, 110, 353	372, 712	2, 794	103, 610	19, 547
Rhode Island.....	29, 123	160, 965	246	86, 083	35, 975	196	8, 140	1, 399
South Carolina.....	15, 727	57, 682	162	50, 760	6, 903	22	87	269
South Dakota.....	17, 090	53, 971	25	55, 590	2, 354	32	8	154
Tennessee.....	34, 689	168, 196	195	106, 901	23, 172	112	1, 823	1, 402
Texas.....	109, 448	496, 820	1, 188	318, 429	54, 984	624	8, 434	4, 471
Utah.....	16, 101	61, 635	28	51, 822	8, 360	16	707	284
Vermont.....	9, 569	45, 857	46	28, 090	8, 601	43	1, 471	299
Virginia.....	37, 507	170, 257	119	119, 132	26, 720	201	3, 022	1, 170
Washington.....	78, 030	272, 545	332	208, 168	24, 615	245	2, 782	1, 517
West Virginia.....	3, 800	44, 777	22	106, 424	25, 544	793	2, 242	768
Wisconsin.....	110, 483	418, 618	472	338, 584	55, 727	232	9, 597	2, 469
Wyoming.....	10, 336	31, 482	9	29, 231	2, 319	16	58	168

<sup>1</sup> If not wholly exempt from tax.

<sup>2</sup> Relates to net gain from sale of assets held for more than two years exempt from normal tax but subject to a special tax.

<sup>3</sup> Tax (12½ per cent) on capital net gain from sale of assets held for more than two years, less tax credit of 12½ per cent on capital net loss on such sales.



## ANALYSIS BY STATES AND TERRITORIES, 1925

Surtax	Net tax on capital net gain <sup>1</sup>	Tax credit of 25 per cent of tax on earned net income	Net tax	Average per return		Tax per capita of total population <sup>4</sup>	Per cent of population filing returns	Per cent of United States total				State or Territory
				Net income	Tax			Popu-lation <sup>4</sup>	Re-turns	Net in-come	Tax	
1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Dollars	Dollars	Dollars						Total.
432,853	100,912	94,570	734,555	5,249.16	176.11	6.35	3.00	100.0	100.0	100.0	100.0	
1,084	220	158	2,326	4,948.04	88.52	.93	1.05	2.16	.63	.59	.32	Ala.
222	104	36	545	4,095.70	53.93	1.27	2.36	.36	.24	.19	.07	Ariz.
773	69	65	1,434	4,101.29	69.65	.76	1.10	1.62	.49	.39	.20	Ark.
20,409	4,821	1,490	37,127	4,885.44	121.70	8.88	7.30	3.61	7.31	6.81	5.05	Calif.
1,702	279	129	2,841	4,199.16	79.34	2.73	3.44	.90	.86	.69	.39	Colo.
8,392	2,095	422	13,534	5,422.59	181.43	8.61	4.75	1.35	1.79	1.85	1.84	Conn.
2,212	121	51	2,780	6,012.26	304.48	11.68	3.84	.21	.22	.25	.38	Del.
3,207	740	241	5,718	4,627.85	132.08	11.12	8.42	.44	1.04	.92	.78	D. C.
13,900	3,958	966	28,858	8,527.84	378.65	22.83	6.03	1.09	1.83	2.97	3.93	Fla.
1,839	401	199	3,530	4,736.80	94.36	1.14	1.21	2.68	.90	.81	.48	Ga.
700	59	30	944	4,455.77	101.45	3.23	3.19	.25	.22	.19	.13	Hawaii
41	( <sup>5</sup> )	24	171	1,133.48	13.24	.33	2.54	.44	.31	.18	.02	Idaho.
37,665	9,160	2,620	64,792	5,526.50	181.26	9.14	5.04	6.13	8.57	9.02	8.82	Ill.
3,874	1,540	333	7,509	4,287.26	93.51	2.42	2.59	2.68	1.93	1.57	1.02	Ind.
1,796	350	170	3,111	3,944.82	61.75	1.29	2.08	2.09	1.21	.91	.42	Iowa.
1,064	238	104	2,222	4,127.61	64.82	1.23	1.84	1.57	.81	.65	.30	Kans.
1,785	354	169	3,300	4,829.62	88.43	1.32	1.49	2.17	.89	.82	.45	Ky.
1,858	488	175	3,850	4,806.13	94.61	2.03	2.14	1.64	.98	.89	.52	La.
1,439	635	94	2,719	5,036.39	139.82	3.45	2.47	.68	.47	.45	.37	Me.
6,536	1,938	387	11,623	5,479.58	175.70	7.45	4.24	1.35	1.59	1.66	1.58	Md.
24,702	7,157	1,251	41,052	5,111.23	185.31	9.90	5.35	3.58	5.31	5.17	5.59	Mass.
20,363	5,880	995	33,263	4,828.09	176.30	7.76	4.40	3.70	4.52	4.16	4.53	Mich.
3,775	603	296	6,126	4,291.50	85.93	2.35	2.73	2.26	1.71	1.40	.83	Minn.
438	47	56	989	4,342.12	58.25	.55	.95	1.55	.41	.34	.13	Miss.
7,482	3,191	603	14,247	4,894.93	130.63	4.09	3.13	3.01	2.61	2.44	1.94	Mo.
256	56	47	580	3,473.44	30.16	.86	2.86	.58	.46	.31	.08	Mont.
667	382	137	1,733	3,978.52	48.58	1.26	2.60	1.19	.85	.65	.24	Nebr.
66	33	14	178	3,189.71	28.94	2.31	8.01	.07	.15	.09	.02	Nev.
688	151	58	1,219	4,272.09	74.26	2.69	3.63	.39	.39	.32	.17	N. H.
18,926	4,098	1,107	32,383	6,254.70	214.63	9.00	4.19	3.11	3.62	4.31	4.41	N. J.
62	1	20	179	3,331.21	24.82	.46	1.88	.33	.17	.11	.02	N. M.
158,925	26,370	6,237	252,158	6,520.76	335.34	22.59	6.74	9.65	18.03	22.39	34.33	N. Y.
2,098	155	128	3,179	4,172.01	82.05	1.13	1.38	2.43	.93	.74	.43	N. C.
49	( <sup>5</sup> )	20	163	3,046.96	13.88	.25	1.83	.55	.28	.16	.02	N. D.
17,986	4,734	1,341	30,321	5,081.18	134.98	4.69	3.47	5.59	5.39	5.21	4.13	Ohio.
2,483	2,512	172	6,897	5,387.90	168.94	3.01	1.78	1.98	.98	1.00	.94	Okla.
910	103	125	1,788	4,056.99	54.94	2.07	3.77	.75	.78	.60	.24	Oreg.
43,656	12,410	2,249	73,364	5,389.18	194.64	7.74	3.98	8.19	9.04	9.28	9.99	Pa.
3,633	956	169	5,818	5,526.74	199.77	8.57	4.29	.59	.70	.74	.79	R. I.
194	9	42	431	3,666.40	27.40	.24	.87	1.56	.38	.26	.06	S. C.
62	-----	24	192	3,158.81	11.26	.28	2.51	.59	.41	.25	.03	S. D.
1,692	237	196	3,126	4,484.75	90.10	1.28	1.42	2.12	.83	.77	.43	Tenn.
4,734	1,003	442	9,767	4,539.33	89.24	1.87	2.10	4.50	2.62	2.26	1.33	Tex.
335	81	40	660	3,929.02	41.02	1.31	3.19	.43	.39	.28	.09	Utah.
481	179	39	920	4,797.28	96.24	2.60	2.71	.31	.23	.21	.13	Vt.
1,621	341	151	2,981	4,539.34	79.49	1.20	1.51	2.15	.90	.78	.41	Va.
1,083	345	228	2,717	3,492.82	34.82	1.74	4.99	1.35	1.87	1.24	.37	Wash. <sup>6</sup>
1,218	252	104	2,134	4,042.93	59.58	1.30	2.19	1.41	.86	.66	.29	W. Va.
3,664	1,056	390	6,799	3,788.91	61.54	2.39	3.88	2.46	2.64	1.91	.93	Wis.
106	7	25	257	3,239.31	24.81	1.12	4.51	.20	.25	.15	.03	Wyo.

<sup>4</sup> Estimated by Bureau of the Census as of July 1, 1925.<sup>5</sup> Less than \$500.<sup>6</sup> Includes figures for Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 192.—PERSONAL AND CORPORATION INCOME TAX RETURNS: By  
STATES AND TERRITORIES, 1925

State or Territory	Number of returns		Net income in thou- sands of dollars		Tax in thousands of dollars			Total tax, per cent of total United States
	Personal	Corpo- ration	Personal	Corpora- tion	Per- sonal	Corpora- tion	Total	
Total.....	4, 171, 051	430, 072	21, 894, 576	9, 583, 684	734, 555	1, 170, 331	1, 904, 886	100. 00
Alabama.....	26, 278	3, 936	130, 025	42, 930	2, 326	4, 979	7, 305	. 38
Alaska.....	(1)	159	(1)	572	(1)	60	60	. 01
Arizona.....	10, 104	1, 451	41, 383	7, 679	545	814	1, 359	. 07
Arkansas.....	20, 597	2, 684	84, 474	22, 899	1, 435	2, 515	3, 950	. 21
California.....	305, 074	20, 263	1, 490, 420	417, 826	37, 127	50, 534	87, 661	4. 60
Colorado.....	35, 808	6, 399	150, 363	60, 448	2, 841	7, 077	9, 918	. 52
Connecticut.....	74, 595	5, 958	404, 498	125, 003	13, 534	14, 887	28, 421	1. 49
Delaware.....	9, 131	1, 376	54, 898	60, 931	2, 780	7, 665	10, 445	. 55
District of Columbia..	43, 293	1, 753	200, 354	64, 493	5, 718	8, 119	13, 837	. 73
Florida.....	76, 213	8, 284	649, 983	192, 320	28, 858	23, 516	52, 374	2. 75
Georgia.....	37, 410	5, 251	177, 204	67, 081	3, 530	7, 700	11, 230	. 59
Hawaii.....	9, 306	594	41, 465	22, 148	944	2, 794	3, 738	. 20
Idaho.....	12, 907	2, 279	40, 444	9, 014	171	975	1, 146	. 06
Illinois.....	357, 448	27, 239	1, 975, 436	851, 832	64, 792	105, 692	170, 484	8. 95
Indiana.....	80, 300	11, 057	344, 267	135, 335	7, 509	15, 736	23, 245	1. 22
Iowa.....	50, 379	9, 048	198, 736	56, 259	3, 111	6, 308	9, 414	. 49
Kansas.....	34, 284	5, 003	141, 511	109, 216	2, 222	13, 443	15, 665	. 82
Kentucky.....	37, 315	5, 295	180, 217	78, 149	3, 300	9, 418	12, 718	. 67
Louisiana.....	40, 695	5, 250	195, 586	64, 233	3, 850	7, 269	11, 119	. 58
Maine.....	19, 444	3, 464	97, 928	39, 072	2, 719	4, 584	7, 303	. 38
Maryland.....	66, 152	5, 461	362, 485	103, 665	11, 623	12, 753	24, 376	1. 28
Massachusetts.....	221, 530	16, 444	1, 132, 290	407, 769	41, 052	49, 299	90, 321	4. 74
Michigan.....	188, 669	13, 016	910, 910	762, 997	33, 263	96, 056	129, 319	6. 79
Minnesota.....	71, 291	10, 733	305, 945	131, 886	6, 126	15, 796	21, 922	1. 15
Mississippi.....	16, 985	1, 999	73, 751	15, 759	989	1, 664	2, 653	. 14
Missouri.....	109, 059	15, 673	533, 836	272, 484	14, 247	33, 347	47, 594	2. 50
Montana.....	19, 239	3, 907	66, 825	11, 841	580	1, 197	1, 777	. 09
Nebraska.....	35, 661	4, 583	141, 878	30, 391	1, 732	3, 318	5, 050	. 27
Nevada.....	6, 164	1, 029	19, 661	2, 342	178	215	393	. 02
New Hampshire.....	16, 413	1, 198	70, 118	10, 262	1, 219	1, 169	2, 388	. 13
New Jersey.....	150, 874	15, 151	943, 673	331, 624	32, 383	39, 209	71, 592	3. 76
New Mexico.....	7, 203	941	23, 994	3, 173	179	311	490	. 03
New York.....	751, 941	79, 414	4, 903, 229	2, 598, 419	252, 158	322, 979	575, 137	30. 19
North Carolina.....	38, 740	6, 267	161, 624	106, 623	3, 179	12, 822	16, 001	. 84
North Dakota.....	11, 715	3, 245	35, 695	7, 972	163	547	710	. 04
Ohio.....	224, 643	23, 239	1, 141, 453	564, 543	30, 321	69, 182	99, 503	5. 22
Oklahoma.....	40, 825	5, 608	219, 961	73, 912	6, 897	8, 025	14, 922	. 78
Oregon.....	32, 542	5, 850	132, 023	28, 653	1, 788	3, 154	4, 942	. 26
Pennsylvania.....	376, 923	23, 502	2, 031, 306	891, 120	73, 365	111, 207	184, 572	9. 69
Rhode Island.....	29, 123	2, 503	160, 955	50, 376	5, 818	6, 019	11, 837	. 62
South Carolina.....	15, 727	3, 924	57, 662	20, 004	431	1, 912	2, 343	. 12
South Dakota.....	17, 086	2, 838	53, 971	5, 257	193	426	619	. 03
Tennessee.....	34, 689	4, 801	168, 198	66, 906	3, 125	7, 793	10, 918	. 57
Texas.....	109, 448	11, 245	496, 820	206, 658	9, 767	24, 862	34, 629	1. 82
Utah.....	16, 101	3, 120	61, 635	21, 297	660	2, 432	3, 092	. 16
Vermont.....	9, 559	1, 088	45, 857	10, 238	920	1, 218	2, 138	. 11
Virginia.....	37, 507	6, 214	170, 257	112, 238	2, 982	13, 405	16, 387	. 86
Washington.....	178, 030	10, 191	1, 272, 545	63, 839	1, 217	7, 122	9, 839	. 52
West Virginia.....	35, 810	5, 205	144, 777	64, 525	2, 133	7, 633	9, 766	. 51
Wisconsin.....	110, 485	13, 489	418, 618	171, 193	6, 799	20, 325	27, 124	1. 43
Wyoming.....	10, 336	1, 451	33, 482	8, 188	256	884	1, 140	. 06

<sup>1</sup> Alaska included in State of Washington.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

**No. 193.—PERSONAL AND CORPORATION TAX RETURNS: SUMMARY**

[NOTE.—All income tax tables include data for Alaska and Hawaii]

Calendar Year	Number of returns			Net income		Tax yield						
	Personal <sup>1</sup>	Corporation		Personal	Corporation	Personal			Corporation			
		Reporting net income	Reporting no net income			Total	Normal	Surtax	Income tax	War and excess profits		
				Millions of dollars		Thousands of dollars						
1912.....		161,116	244,230		4,151.0							
1913.....	357,596	188,866	128,043	3,900.0	4,714.0	28,254	12,728	15,526	43,129			
1914.....	387,515	174,206	125,240	4,000.0	3,940.0	41,046	16,559	24,487	39,145			
1915.....	336,852	190,911	175,522	4,600.0	5,310.0	67,944	23,998	43,946	56,994			
1916.....	437,036	206,964	134,269	6,298.6	8,765.9	173,387	51,441	121,946	171,805			
1917 <sup>2</sup> .....	2,472,890	232,079	119,347	13,652.4	10,730.4	691,493	156,897	534,596	503,696	1,638,748		
1918.....	4,425,114	202,061	115,518	15,924.6	8,361.5	1,127,722	476,433	651,289	653,198	2,506,566		
1919.....	5,332,700	209,634	110,564	19,859.5	9,411.4	1,269,639	468,105	801,525	743,535	1,431,806		
1920.....	7,259,944	203,233	142,362	23,735.6	7,902.7	1,075,054	478,250	596,804	636,508	988,726		
1921.....	6,662,176	171,239	185,158	19,577.2	4,336.0	719,387	308,059	411,328	366,444	335,122		
1922.....	6,787,481	212,535	170,348	21,338.2	6,963.8	861,057	355,410	474,581	775,310	8,466		
1923.....	7,668,321	233,239	165,594	24,777.5	8,321.5	661,666	283,791	348,689	637,107			
1924.....	7,369,788	236,389	181,032	25,646.1	7,586.6	704,285	257,796	437,540	881,550			
1925.....	4,171,051	252,334	177,738	21,894.5	9,583.6	734,555	216,360	432,853	1,170,831			

<sup>1</sup> For 1913 to 1916, returns reporting net income of \$3,000 and over; for 1917 to 1924, \$1,000 and over; for 1925, \$1,500 and over.<sup>2</sup> Returns showing net income in excess of \$5,000 exemption.<sup>3</sup> Determined on the basis of the number of returns filed and the average net income in each class.<sup>4</sup> Includes excise tax, \$10,071,000, under act of Aug. 5, 1909.<sup>5</sup> Figures for 1915 contain approximately 30,000 returns which properly belong in 1914.<sup>6</sup> In addition to the personal and corporation taxes shown for 1917 there was a war and excess-profits tax on partnerships amounting to \$103,888,000.<sup>7</sup> Includes war and excess-profits tax, \$101,250,000.<sup>8</sup> Includes tax on capital net gain from sale of assets held for more than 2 years. In 1924 and 1925 figures represent net tax after deducting tax credits of 12½ per cent on capital net loss from sale of assets held over 2 years and 35 per cent on earned net income.**No. 194.—GROSS RECEIPTS OF CORPORATIONS: BY INDUSTRIAL GROUPS**

[NOTE.—Gross receipts are from all sources (except interest on Federal, State, and municipal bonds and, in 1920 and 1921, also dividends on capital stock of domestic corporations), sales being given on gross basis. Data are not comparable with "total income" of individuals shown in other tables. See also Table 196]

Industry	Gross receipts in millions of dollars						Number of returns, 1925
	1920	1921	1922	1923	1924	1925	
Total.....	118,905.6	91,942.3	106,930.6	119,563.7	119,299.5	126,191.1	430,073
Agriculture and related industries.....	725.1	675.6	705.4	773.6	809.7	793.6	9,904
Mining and quarrying.....	6,151.2	2,888.9	3,695.4	4,863.0	4,848.5	4,924.9	19,163
Manufacturing, total.....	56,648.2	38,441.9	44,693.2	66,220.7	63,911.2	60,539.8	38,874
Foods, beverages, and tobacco.....	12,285.1	8,269.5	8,865.4	10,077.9	11,840.9	13,400.2	14,722
Textiles and textile products.....	8,205.4	5,686.1	6,795.2	7,856.7	7,168.9	7,716.5	12,271
Leather and leather products.....	1,893.7	1,418.0	1,464.1	1,597.3	1,507.4	1,514.5	2,359
Rubber and rubber goods.....	1,038.3	637.8	942.8	1,078.9	1,122.2	1,469.4	628
Lumber and wood products.....	3,312.0	1,847.0	2,402.3	2,974.8	2,834.8	2,967.5	7,633
Paper, pulp, and products.....	1,799.4	1,003.5	1,162.2	1,444.0	1,364.1	1,491.1	1,940
Printing and publishing.....	1,761.1	1,722.6	1,846.9	1,965.2	2,166.4	2,282.3	9,920
Chemicals and allied substances.....	5,565.1	3,878.9	5,711.3	6,108.1	5,890.1	7,066.3	6,962
Stone, clay, and glass products.....	1,316.1	953.8	1,172.2	1,363.7	1,383.0	1,501.8	4,454
Metals and metal products.....	15,104.1	9,805.1	9,976.0	16,000.8	15,938.9	19,110.3	21,529
All other manufacturing.....	4,368.8	2,220.2	4,344.9	5,133.5	2,667.9	2,310.9	6,246
Construction.....	2,237.7	1,773.3	1,766.0	2,223.7	2,210.3	2,306.1	15,338
Transportation and public utilities.....	9,152.8	9,000.8	9,754.3	10,527.0	10,175.8	11,880.8	23,613
Trade.....	31,513.1	27,344.4	28,676.9	32,274.1	35,115.5	39,846.9	109,588
Public service.....	1,952.6	1,755.1	2,215.9	2,416.8	2,631.8	2,839.3	28,981
Finance, banking, insurance, etc.....	8,390.6	7,551.1	8,931.9	8,464.1	9,072.1	12,447.7	115,947
Predominant branch not ascertainable.....	1,133.0	818.2	491.2	706.6	454.1	322.0	5,320
Inactive concerns.....	1.5	1	3	(1)	5		
Concerns in liquidation.....	229.9						

<sup>1</sup> Gross receipts incomplete due to the fact that railroads and other public utility corporations to a large extent report merely net income.<sup>2</sup> Less than \$50,000.

Source of Tables 193 and 194: Statistics of Income, Report of the Commissioner of Internal Revenue.

**No. 195.—CORPORATION DIVIDENDS: As Reported in Corporation Tax Returns**

[All figures in thousands of dollars]

Industrial group	1923		1924		1925	
	Cash dividends	Stock dividends	Cash dividends	Stock dividends	Cash dividends	Stock dividends
<b>Total</b> .....	<b>4, 169, 116</b>	<b>691, 299</b>	<b>4, 333, 933</b>	<b>510, 596</b>	<b>5, 189, 475</b>	<b>544, 491</b>
Agriculture and related industries.....	27, 504	6, 899	27, 864	1, 784	30, 998	4, 033
Mining and quarrying.....	300, 562	41, 981	255, 301	11, 641	335, 142	3, 878
Manufacturing, total.....	2, 005, 940	480, 579	1, 882, 978	260, 139	2, 223, 795	267, 448
Foods, beverages, and tobacco.....	251, 166	54, 076	273, 156	25, 185	312, 186	72, 114
Textile and textile products.....	218, 529	87, 581	182, 961	27, 918	186, 157	26, 830
Leather and leather products.....	36, 166	12, 801	30, 308	4, 890	38, 758	9, 989
Rubber and rubber goods.....	15, 681	2, 273	16, 009	1, 227	32, 053	1, 170
Lumber and wood products.....	127, 899	55, 964	105, 173	22, 303	119, 731	13, 653
Paper, pulp, and products.....	60, 267	10, 244	39, 197	3, 810	64, 335	3, 645
Printing and publishing.....	74, 569	8, 472	80, 981	18, 996	96, 581	14, 448
Chemicals and allied substances.....	381, 161	32, 914	342, 244	14, 282	477, 656	28, 663
Stone, clay, and glass products.....	59, 630	37, 747	66, 639	19, 750	79, 073	29, 198
Metals and metal products.....	573, 596	127, 445	658, 784	100, 705	714, 022	60, 301
All other manufacturing industries.....	207, 077	51, 062	87, 536	12, 083	99, 223	7, 457
Construction.....	45, 593	18, 161	37, 985	6, 148	70, 005	11, 569
Transportation and public utilities.....	662, 662	78, 099	925, 008	64, 312	1, 006, 617	77, 156
Trade.....	393, 903	164, 776	418, 765	94, 635	506, 374	60, 483
Public service.....	76, 916	18, 537	85, 126	10, 619	107, 853	9, 476
Finance—banking, insurance, etc.....	632, 909	79, 676	694, 177	53, 466	806, 657	78, 639
Engaged in two or more branches—pre- dominant branch not ascertainable.....	23, 114	5, 578	11, 541	2, 682	11, 750	1, 726
Inactive concerns.....	15		78		8	7

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

**No. 196.—CORPORATION INCOME TAX RETURNS: SOURCES OF INCOME AND NATURE OF DEDUCTIONS, TOTALS, 1923 TO 1925, AND BY CLASSES OF CORPORATIONS, 1925**

[All figures in millions and tenths of millions of dollars]

	Aggregate <sup>1</sup>			Manufacturing			
	1923	1924	1925	Total	Food	Textiles	Leather
<b>Receipts, total</b> .....	<b>119, 019. 9</b>	<b>119, 746. 7</b>	<b>139, 719. 9</b>	<b>60, 981. 9</b>	<b>13, 407. 1</b>	<b>7, 796. 9</b>	<b>1, 514. 6</b>
Gross sales.....	96, 685. 2	97, 297. 5	106, 763. 1	57, 083. 8	13, 128. 5	7, 472. 9	1, 469. 3
Gross profits from sales <sup>2</sup> .....	22, 980. 0	21, 406. 8	22, 176. 6	12, 590. 0	2, 268. 8	1, 315. 8	267. 4
Miscellaneous income.....	21, 008. 4	21, 016. 8	26, 252. 5	3, 429. 9	228. 5	235. 0	44. 0
Not subject to tax—							
Dividends of other domestic corporations.....	870. 1	915. 2	1, 175. 5	316. 0	33. 1	8. 6	1. 1
Interest on Federal, State, and municipal bonds.....	456. 2	517. 2	519. 8	91. 5	7. 0	10. 4	1. 2
<b>Disbursements, total</b> .....	<b>111, 365. 6</b>	<b>112, 961. 6</b>	<b>127, 394. 8</b>	<b>66, 812. 6</b>	<b>12, 925. 0</b>	<b>7, 409. 5</b>	<b>1, 462. 2</b>
Cost of goods sold.....	73, 705. 2	75, 890. 7	86, 646. 5	44, 503. 8	10, 685. 7	6, 127. 7	1, 201. 9
Interest paid.....	3, 277. 6	3, 444. 7	3, 617. 0	621. 6	123. 1	77. 3	13. 2
Depreciation, amortization, and depletion.....	3, 116. 2	3, 186. 8	3, 329. 8	1, 506. 4	189. 0	154. 2	19. 8
Miscellaneous expense.....	31, 266. 6	30, 429. 4	33, 801. 3	10, 180. 8	1, 728. 2	1, 050. 3	231. 3
<b>Net profits</b> .....	<b>7, 634. 3</b>	<b>6, 795. 1</b>	<b>9, 316. 3</b>	<b>4, 169. 6</b>	<b>482. 0</b>	<b>317. 3</b>	<b>49. 4</b>
Deduct tax-exempt items (above).....	1, 326. 3	1, 432. 4	1, 695. 3	407. 5	40. 1	19. 0	2. 3
<b>Net income</b> .....	<b>6, 308. 0</b>	<b>5, 362. 7</b>	<b>7, 621. 0</b>	<b>3, 761. 1</b>	<b>441. 9</b>	<b>298. 3</b>	<b>47. 1</b>
Deduct prior year loss.....	578. 3	219. 7	243. 1	110. 6	9. 5	26. 8	3. 7
<b>Net income deducting prior year loss</b> .....	<b>5, 729. 7</b>	<b>5, 143. 0</b>	<b>7, 377. 9</b>	<b>3, 650. 6</b>	<b>432. 4</b>	<b>271. 5</b>	<b>43. 4</b>
<b>Total tax</b> .....	<b>937. 1</b>	<b>961. 5</b>	<b>1, 179. 3</b>	<b>648. 7</b>	<b>66. 6</b>	<b>48. 9</b>	<b>9. 3</b>

<sup>1</sup> Totals include inactive concerns not shown separately.<sup>2</sup> Difference between gross sales and cost of goods shown below.<sup>3</sup> Includes special nonexpense deductions of life insurance companies.

**No. 196.—CORPORATION INCOME TAX RETURNS: SOURCES OF INCOME AND NATURE OF DEDUCTIONS, TOTALS, 1923 TO 1925, AND BY CLASSES OF CORPORATIONS, 1925—Continued**

[All figures in millions and tenths of millions of dollars]

	Manufacturing							
	Rub-ber	Lumber	Paper	Print-ing	Chemi-cals	Stone, etc.	Metal	All other
<b>Receipts</b> .....	1,489.7	2,970.6	1,469.7	2,289.2	7,077.6	1,504.3	19,191.3	2,319.9
Gross sales.....	1,422.9	2,803.0	1,446.0	1,735.8	6,424.7	1,456.8	17,473.6	2,240.2
Gross profits from sales <sup>1</sup> .....	350.8	864.9	363.0	641.9	1,603.6	478.5	3,694.4	649.5
Miscellaneous income.....	23.9	155.2	41.7	535.2	482.2	42.0	1,590.0	52.1
Not subject to tax								
Dividends of other domestic corporations.....	22.5	9.3	3.4	11.2	158.4	3.0	46.5	18.6
Interest on Federal, State, and municipal bonds.....	.4	3.1	1.6	4.0	12.2	2.5	41.1	8.0
<b>Disbursements, total</b> .....	1,337.7	2,816.9	1,388.4	2,109.6	6,363.9	1,836.1	17,006.3	2,154.2
Cost of goods sold.....	1,072.1	2,138.1	1,063.0	1,093.9	4,521.1	980.3	13,809.2	1,590.7
Interest paid.....	23.2	46.7	21.6	19.4	86.8	13.5	176.5	20.0
Depreciation, amortization, and depletion.....	27.4	121.0	48.7	51.0	307.3	57.6	484.1	46.8
Miscellaneous expense.....	215.0	505.1	235.1	945.3	1,450.7	283.5	3,089.5	497.7
<b>Net profits</b> .....	132.0	159.6	104.0	176.6	711.5	169.2	1,643.0	162.6
Deduct tax exempt items (above).....	22.9	12.4	5.0	15.2	170.6	5.5	87.7	26.6
<b>Net income</b> .....	109.1	147.2	99.0	161.4	540.9	163.7	1,555.3	137.0
Deduct prior year loss.....	2.3	5.8	1.9	3.3	16.3	2.4	34.2	4.2
<b>Net income deducting prior year loss</b> .....	106.8	141.4	97.1	158.1	524.6	161.3	1,521.1	132.8
<b>Total tax</b> .....	18.4	24.7	14.0	22.2	76.4	22.9	291.9	21.5

	Agri-culture	Mining	Con-struction	Trans- portation and public utilities <sup>2</sup>	Trade	Public service	Finance	Combination enter-prises <sup>3</sup>
<b>Receipts, total</b> .....	794.4	4,939.6	2,308.7	11,911.5	29,856.6	2,841.2	12,814.9	223.2
Gross sales.....	591.9	3,866.5	1,706.8	1,159.8	23,134.9	1,268.3	4,616.3	242.8
Gross profits from sales.....	192.4	1,192.4	322.0	472.3	6,537.4	512.7	864.1	37.4
Miscellaneous income.....	197.6	992.4	498.5	10,337.4	1,645.9	1,555.3	7,476.0	69.5
Not subject to tax								
Dividends of other domestic corporations.....	4.0	65.9	8.8	332.7	66.1	15.8	255.4	9.7
Interest on Federal, State, and municipal bonds.....	.9	11.2	2.6	30.6	12.7	1.8	267.2	1.2
<b>Disbursements, total</b> .....	771.9	4,615.2	2,164.1	10,913.2	29,614.2	2,649.2	11,094.7	297.1
Cost of goods sold.....	390.5	2,674.1	1,476.8	687.5	31,597.5	749.6	4,352.2	205.4
Interest paid.....	34.6	104.1	20.4	1,068.5	246.1	67.0	1,437.0	8.5
Depreciation, amortization, and depletion.....	44.1	561.5	52.4	595.7	249.6	109.1	201.6	9.2
Miscellaneous expense.....	293.7	1,275.5	625.5	7,861.5	2,721.0	1,723.6	25,033.9	84.0
<b>Net profits</b> .....	22.5	220.2	124.6	1,669.2	1,045.4	191.8	1,760.2	16.1
Deduct tax exempt items (above).....	4.9	77.2	11.5	364.3	78.9	17.6	722.6	10.9
<b>Net income</b> .....	17.6	243.6	113.1	1,333.9	966.5	174.2	1,037.6	5.2
Deduct prior year loss.....	5.2	25.1	8.7	17.7	34.2	8.6	31.7	1.3
<b>Net income deducting prior year loss</b> .....	12.4	218.5	104.4	1,316.2	932.3	165.6	1,005.9	3.9
<b>Total tax</b> .....	8.6	59.1	17.6	194.2	146.2	25.5	179.9	2.3

<sup>1</sup> Difference between gross sales and cost of goods shown below

<sup>2</sup> Includes special nonexpense deductions of life insurance companies.

<sup>3</sup> Total receipts and disbursements incomplete due to railroad and other utility corporations reporting on the face of return the amount of net income or deficit

<sup>4</sup> Corporations engaged in two or more branches—predominant branch not ascertainable.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.



### No. 198.—CORPORATION INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1922 TO 1925

[All figures in thousands of dollars]

State or Territory	Net income				Income tax <sup>1</sup>			
	1922	1923	1924	1925	1922	1923	1924	1925
<b>Total</b> .....	<b>2,962,511</b>	<b>2,321,639</b>	<b>7,594,652</b>	<b>2,562,634</b>	<b>763,776</b>	<b>967,107</b>	<b>681,550</b>	<b>1,170,331</b>
Alabama.....	29,185	45,961	35,539	42,930	2,634	4,757	3,005	4,979
Alaska.....	234	937	541	572	36	97	53	60
Arizona.....	3,886	8,957	7,418	7,679	394	630	776	814
Arkansas.....	18,440	22,373	18,080	22,900	1,949	2,361	1,865	2,315
California.....	308,046	360,970	376,725	417,826	35,465	43,033	44,161	50,534
Colorado.....	56,835	60,491	60,846	60,448	5,547	6,183	7,024	7,077
Connecticut.....	95,298	120,935	108,181	125,093	10,533	13,183	11,848	14,887
Delaware.....	22,717	41,933	39,541	60,931	2,279	3,976	4,703	7,665
Dist. of Columbia.....	30,390	44,483	47,458	64,493	3,197	5,361	5,745	8,119
Florida.....	24,514	35,399	62,344	192,320	2,619	3,821	7,006	23,516
Georgia.....	56,775	63,761	50,162	67,081	6,304	7,024	5,536	7,700
Hawaii.....	15,169	27,706	31,530	22,148	1,751	3,037	3,626	2,794
Idaho.....	6,348	10,331	6,846	9,014	403	966	680	975
Illinois.....	670,756	752,650	706,054	831,833	75,864	82,679	82,468	105,092
Indiana.....	122,164	136,418	114,990	133,335	13,778	15,064	12,930	15,736
Iowa.....	49,066	57,437	49,732	56,259	4,769	5,843	5,285	6,302
Kansas.....	121,147	87,086	84,611	109,216	14,446	10,271	9,833	13,443
Kentucky.....	69,669	72,562	64,975	78,149	7,376	8,140	7,347	9,418
Louisiana.....	51,649	68,345	54,436	64,233	5,484	7,544	5,934	7,269
Maine.....	40,170	44,435	31,848	39,072	4,753	4,964	3,534	4,584
Maryland.....	65,767	99,326	83,493	103,665	7,355	11,349	9,847	12,753
Massachusetts.....	415,231	462,480	352,210	407,769	47,813	53,151	40,796	48,209
Michigan.....	447,236	521,025	497,940	762,997	50,071	60,729	59,869	96,036
Minnesota.....	96,883	116,711	111,845	131,886	11,097	12,604	12,698	15,797
Mississippi.....	13,023	17,144	13,197	15,789	1,137	1,721	1,336	1,664
Missouri.....	203,959	227,323	225,899	272,484	23,127	25,782	26,039	33,347
Montana.....	9,069	8,815	8,949	11,841	891	878	841	1,196
Nebraska.....	26,166	25,020	26,914	30,391	2,646	2,555	2,763	3,318
Nevada.....	1,723	2,559	1,662	2,342	150	225	147	215
New Hampshire.....	10,783	12,673	8,536	10,262	1,139	1,404	930	1,169
New Jersey.....	235,261	273,897	260,526	331,624	27,151	31,255	30,690	39,209
New Mexico.....	3,406	2,975	2,874	3,173	330	270	271	311
New York.....	1,752,191	2,156,930	2,006,542	2,598,419	200,602	245,106	246,109	322,979
North Carolina.....	99,169	107,931	83,732	106,623	11,466	12,503	9,726	12,822
North Dakota.....	4,748	3,478	5,700	7,972	338	216	443	547
Ohio.....	419,175	538,002	442,510	564,543	44,702	57,443	51,131	69,182
Oklahoma.....	39,457	28,768	39,223	73,912	3,924	2,701	3,099	8,025
Oregon.....	27,892	35,419	29,088	28,652	3,029	3,631	3,107	3,154
Pennsylvania.....	683,697	902,479	730,528	891,120	78,957	104,619	87,512	111,207
Rhode Island.....	61,613	70,429	44,862	50,376	7,303	8,214	5,237	6,019
South Carolina.....	29,325	34,067	14,251	20,003	3,019	3,370	1,372	1,912
South Dakota.....	4,560	4,223	4,793	5,257	313	287	356	426
Tennessee.....	57,724	54,322	52,089	66,906	6,296	5,900	5,789	7,793
Texas.....	94,059	102,802	150,502	206,658	10,466	11,038	16,819	24,862
Utah.....	16,529	22,517	19,352	21,297	1,474	1,833	2,099	2,432
Vermont.....	9,246	12,163	9,183	10,238	972	1,261	1,011	1,216
Virginia.....	83,015	94,500	82,086	112,238	9,534	10,835	9,393	13,406
Washington.....	59,865	83,737	54,810	63,839	6,195	8,999	5,861	7,122
West Virginia.....	71,768	73,478	50,065	64,525	7,872	8,344	5,636	7,633
Wisconsin.....	129,879	150,218	132,285	171,193	14,205	16,387	15,113	20,325
Wyoming.....	4,959	5,323	4,412	8,185	466	513	391	684

<sup>1</sup> Includes war and excess-profits tax in 1923.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.



## No. 199.—CORPORATION INCOME TAX RETURNS: ANALYSIS FOR

State or Territory	Total number of corporations	Corporations reporting net income					
		Number reporting net income	Per cent of total number of corporations	Gross income	Expenses and deductions	Net income	Prior year loss deduction
				1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1916.....	341,253	206,984	60.65	32,581,097	23,765,188	8,765,909	
1917.....	351,426	232,079	66.04	79,540,005	68,809,645	10,730,360	
1918.....	317,579	202,061	63.63	79,706,659	71,345,148	8,361,511	
1919.....	320,198	208,634	65.47	88,261,006	78,649,538	9,411,468	
1920.....	345,595	203,233	58.81	93,824,225	85,921,570	7,902,655	
1921.....	350,397	171,239	48.05	60,051,123	55,715,075	4,336,048	
1922.....	382,883	212,535	55.51	80,331,680	73,367,869	6,963,811	501,780
1923.....	398,933	233,339	58.49	97,457,479	89,135,950	8,321,529	578,307
1924.....	417,421	236,389	56.63	97,158,996	89,572,344	7,586,652	219,727
1925.....	430,079	259,334	60.07	113,998,083	104,108,400	9,889,683	943,079
Alabama.....	3,936	2,509	63.77	547,133	504,203	42,930	1,526
Alaska.....	159	72	45.28	6,955	6,384	571	34
Arizona.....	1,451	593	40.87	114,245	106,566	7,679	979
Arkansas.....	2,684	1,823	67.92	329,778	300,878	28,900	989
California.....	30,263	10,639	35.15	4,800,533	4,391,707	417,826	13,359
Colorado.....	5,399	2,963	54.88	821,002	760,554	60,448	2,493
Connecticut.....	5,958	3,730	62.44	1,578,481	1,453,388	125,093	5,744
Delaware.....	1,376	780	56.68	502,380	441,448	60,932	903
District of Columbia.....	1,753	1,061	60.51	498,652	434,159	64,493	700
Florida.....	8,284	5,478	66.13	1,128,204	935,943	192,261	4,675
Georgia.....	5,251	3,354	63.87	986,022	918,941	67,081	2,642
Hawaii.....	594	380	63.97	180,612	138,464	42,148	478
Idaho.....	2,279	1,012	44.41	142,932	133,918	9,014	312
Illinois.....	27,239	16,767	61.56	13,362,186	12,510,354	851,832	17,303
Indiana.....	11,057	6,826	61.73	1,745,149	1,600,813	135,336	5,498
Iowa.....	9,048	5,115	56.53	974,948	918,690	56,258	1,673
Kansas.....	5,003	3,132	62.60	951,362	842,146	109,216	2,075
Kentucky.....	5,285	3,418	64.68	788,520	690,371	98,149	1,477
Louisiana.....	5,250	3,121	59.45	1,002,632	938,299	64,333	4,362
Maine.....	3,464	1,945	56.15	478,689	439,597	39,092	1,411
Maryland.....	5,461	3,090	56.58	1,288,345	1,184,680	103,665	2,399
Massachusetts.....	16,444	9,631	58.57	5,436,777	5,029,008	407,769	15,193
Michigan.....	13,016	8,103	62.26	6,233,868	5,470,870	762,998	7,572
Minnesota.....	10,733	5,990	55.80	2,304,606	2,172,730	131,866	2,537
Mississippi.....	1,999	1,447	72.39	262,518	246,759	15,759	910
Missouri.....	15,673	9,372	59.80	3,740,523	3,408,089	332,434	4,375
Montana.....	3,907	1,609	41.18	166,311	154,470	11,841	627
Nebraska.....	4,583	2,808	61.28	586,991	536,600	50,391	708
Nevada.....	1,029	351	34.11	29,135	26,794	2,341	239
New Hampshire.....	1,198	758	63.27	144,337	134,076	10,261	262
New Jersey.....	13,151	9,494	72.26	3,810,672	3,479,047	331,625	9,147
New Mexico.....	941	435	46.23	54,243	51,070	3,173	239
New York.....	79,414	40,838	51.42	28,825,905	26,227,487	2,598,418	52,338
North Carolina.....	6,267	3,762	60.03	1,155,236	1,048,673	106,563	3,377
North Dakota.....	3,245	1,684	51.90	109,211	101,239	7,972	363
Ohio.....	23,239	14,266	61.39	6,884,609	6,320,067	564,542	13,799
Oklahoma.....	5,608	3,141	55.81	937,549	863,637	73,912	8,435
Oregon.....	5,850	2,910	49.74	468,622	439,969	28,653	1,958
Pennsylvania.....	23,502	13,869	59.44	9,907,817	9,018,666	891,151	18,300
Rhode Island.....	2,503	1,419	56.69	678,751	628,376	50,375	1,518
South Carolina.....	3,924	2,156	54.94	381,884	361,880	20,004	2,644
South Dakota.....	2,838	1,576	55.53	143,374	138,117	5,257	181
Tennessee.....	4,801	3,047	63.47	1,014,708	947,801	66,907	3,611
Texas.....	11,245	6,890	61.27	2,735,808	2,529,150	206,658	6,663
Utah.....	3,120	1,635	52.40	273,587	252,289	21,298	634
Vermont.....	1,088	706	64.89	140,853	130,616	10,237	247
Virginia.....	6,214	3,834	61.69	1,043,824	931,586	112,238	4,227
Washington.....	10,191	5,259	51.61	1,023,072	959,234	63,838	2,911
West Virginia.....	5,205	2,843	54.62	723,896	659,371	64,525	2,316
Wisconsin.....	13,489	8,141	60.35	2,159,861	1,988,668	171,193	4,932
Wyoming.....	1,451	789	54.38	61,675	53,487	8,188	395

<sup>1</sup> Figures for 1917 to 1922 include war and excess profits tax, as follows: 1917, \$1,633,748,000; 1918, \$2,506,506,000; 1919, \$1,431,806,000; 1920, \$968,725,000; 1921, \$335,132,000; 1922, \$8,466,000.

## UNITED STATES, 1916 TO 1925, AND BY STATES, 1925

Corporations reporting net income—Con.		Corporations reporting no net income					State or Territory
Income tax	Per cent of total tax	Number reporting no net income	Per cent of total number of corporations.	Gross income	Expenses and deductions	Deficit	
1,000 dollars				1,000 dollars	1,000 dollars	1,000 dollars	
171,806	-----	134,209	39.25	2,796,534	3,453,438	656,904	1916.
2,142,446	-----	119,347	33.96	5,153,234	5,782,842	629,608	1917.
3,158,764	-----	115,518	36.37	6,757,622	7,447,394	689,772	1918.
2,175,342	-----	110,594	34.54	11,637,743	12,653,289	995,546	1919.
1,625,235	-----	142,362	41.19	24,381,338	26,410,762	2,029,424	1920.
1,701,575	-----	185,158	51.95	31,198,150	35,076,369	3,878,219	1921.
1,783,776	-----	170,348	44.49	20,586,835	22,782,611	2,193,776	1922.
987,107	-----	165,594	41.51	21,106,184	23,119,739	2,013,555	1923.
881,560	-----	181,082	43.37	22,070,497	24,294,423	2,223,926	1924.
1,179,221	186.90	177,738	41.33	23,490,093	24,461,691	1,969,698	1925.
4,979	.43	1,367	34.73	106,525	116,813	8,289	Alabama.
60	.01	87	54.72	1,083	1,453	371	Alaska.
814	.07	858	59.13	26,646	37,455	10,810	Arizona.
2,515	.22	961	32.08	70,654	76,203	5,549	Arkansas.
50,534	4.32	9,734	47.98	966,481	1,086,393	119,912	California.
7,077	.60	3,416	53.38	181,788	187,947	26,159	Colorado.
14,887	1.27	2,236	37.56	383,403	418,946	36,544	Connecticut.
7,065	.65	696	43.32	52,555	63,256	10,701	Delaware.
8,119	.69	672	38.34	51,489	56,000	4,511	District of Columbia.
23,517	2.01	2,806	33.87	106,024	132,570	26,546	Florida.
7,700	.66	1,897	36.13	192,118	210,415	18,297	Georgia.
2,794	.24	214	36.03	31,931	34,201	2,270	Hawaii.
975	.08	1,267	55.59	36,391	41,587	5,196	Idaho.
106,692	9.03	10,472	38.44	3,975,827	4,117,015	141,187	Illinois.
15,736	1.34	4,231	38.27	315,924	346,806	30,881	Indiana.
6,303	.54	3,933	43.47	241,131	265,508	24,377	Iowa.
13,443	1.15	1,871	37.40	159,086	172,659	13,573	Kansas.
9,418	.89	1,877	35.44	128,198	139,682	11,483	Kentucky.
7,289	.62	2,129	40.55	273,482	299,635	26,153	Louisiana.
4,584	.39	1,519	43.85	97,833	108,019	10,187	Maine.
12,753	1.09	2,371	43.42	220,659	240,004	19,345	Maryland.
40,209	4.21	6,813	41.43	1,315,991	1,427,813	112,722	Massachusetts.
96,056	8.21	4,913	37.74	640,995	704,871	63,876	Michigan.
15,797	1.35	4,734	44.11	389,834	421,644	31,810	Minnesota.
1,064	.14	552	27.61	48,648	52,445	3,797	Mississippi.
33,347	2.85	6,301	40.20	574,474	623,181	48,707	Missouri.
1,196	.10	2,298	58.82	50,781	58,497	7,716	Montana.
3,318	.28	1,715	37.42	129,102	141,639	12,538	Nebraska.
215	.02	678	65.89	13,312	19,755	6,442	Nevada.
1,169	.10	440	34.73	74,748	80,529	5,780	New Hampshire.
39,306	3.35	5,657	37.34	512,406	567,733	55,326	New Jersey.
311	.03	506	53.77	13,667	16,482	2,815	New Mexico.
322,979	27.60	32,578	41.02	5,440,764	5,896,563	455,799	New York.
12,821	1.10	2,503	39.97	232,867	247,404	14,536	North Carolina.
547	-----	1,561	48.10	41,851	45,834	3,982	North Dakota.
69,182	5.91	8,973	38.61	1,185,619	1,339,130	153,511	Ohio.
8,025	.68	2,467	43.99	163,943	211,275	27,332	Oklahoma.
2,152	.27	2,940	50.26	263,425	220,299	16,874	Oregon.
111,207	9.50	9,933	42.26	1,633,985	1,785,072	151,087	Pennsylvania.
6,019	.51	1,084	43.31	209,296	233,426	24,130	Rhode Island.
1,912	.16	1,766	45.09	157,062	169,129	12,067	South Carolina.
426	.04	1,262	44.47	35,959	39,316	3,357	South Dakota.
7,793	.67	1,754	36.53	296,591	219,269	12,678	Tennessee.
24,862	2.12	4,356	38.73	494,545	540,459	45,914	Texas.
2,432	.21	1,486	47.60	67,657	77,355	9,698	Utah.
1,218	.10	380	34.93	32,211	35,681	3,470	Vermont.
13,406	1.15	2,380	38.31	215,217	253,857	38,640	Virginia.
7,122	.61	4,932	48.39	272,763	302,120	29,367	Washington.
7,633	.65	2,302	45.38	147,176	170,569	23,393	West Virginia.
20,325	1.74	5,348	39.65	348,367	383,445	35,078	Wisconsin.
865	.08	622	45.62	20,408	24,333	3,865	Wyoming.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

# **No. 200.—CORPORATION INCOME TAX RETURNS: NUMBER, NET INCOME, AND TAX, BY INDUSTRIAL GROUPS**

[NOTE.—All money figures in thousands of dollars. Tax includes war and excess profits tax prior to 1923]

Year	Corporations reporting net income			Corporations reporting no net income		Corporations reporting net income			Corporations reporting no net income	
	Number	Net income	Tax	Number	Deficit	Number	Net income	Tax	Number	Deficit
Agriculture and related industries						Mining and quarrying				
1918	4,406	52,004	12,742	3,481	22,317	5,524	567,777	191,365	5,137	71,473
1919	4,442	53,809	19,521	3,856	29,337	5,272	432,634	75,082	13,197	180,264
1920	3,874	71,480	17,170	5,312	66,140	0,933	702,074	174,596	10,601	176,506
1921	3,146	40,718	6,002	5,578	88,563	4,365	185,134	31,969	13,295	414,489
1922	4,000	62,901	8,622	5,092	56,091	6,130	286,437	31,400	10,963	280,456
1923	3,914	92,201	9,791	5,446	49,930	5,175	283,566	30,777	13,334	334,254
1924	4,530	64,230	8,733	5,228	62,498	4,893	240,142	28,389	13,560	307,091
1925	4,662	76,362	8,604	5,242	59,215	5,488	453,600	55,049	13,675	209,957
Manufacturing										
Total <sup>1</sup>						Food products, beverages, and tobacco				
1918	51,206	4,691,496	2,112,044	14,069	157,376	9,778	529,897	206,764	2,879	31,417
1919	51,903	5,219,346	1,359,198	15,949	308,746	9,134	619,825	150,896	3,198	91,428
1920	49,426	4,116,424	944,960	28,746	834,146	7,551	404,847	90,536	6,167	183,895
1921	37,030	1,777,786	351,770	42,718	1,886,831	7,207	319,176	65,676	6,570	309,182
1922	48,697	3,454,420	389,776	33,788	813,413	8,359	447,671	50,667	5,723	150,306
1923	55,795	4,271,899	484,864	31,404	701,012	8,666	506,924	55,646	5,467	124,176
1924	51,342	3,595,675	429,663	35,461	832,208	9,080	536,552	63,376	5,562	95,715
1925	54,137	4,383,357	546,741	34,537	682,255	9,303	538,472	66,587	5,419	91,512
Textiles and textiles products						Leather and leather products				
1918	7,018	765,238	392,450	1,345	7,684	1,434	116,377	41,530	290	2,744
1919	7,356	912,379	273,022	1,113	8,865	1,620	241,384	74,177	229	2,028
1920	5,545	458,613	127,770	4,576	166,646	1,230	61,028	14,611	932	103,922
1921	5,312	327,356	67,216	5,660	189,439	961	57,065	11,615	1,203	106,909
1922	6,973	535,107	62,500	4,452	78,311	1,230	88,641	10,414	954	24,811
1923	7,678	563,412	65,435	4,093	71,945	1,321	72,388	8,248	962	36,126
1924	6,830	316,928	37,651	5,393	188,104	1,841	70,319	8,087	1,087	31,876
1925	7,504	413,115	48,614	4,767	114,772	1,373	76,023	9,169	966	28,895
Rubber and rubber goods						Lumber and wood products				
1918	412	101,596	38,341	153	1,814	4,665	173,669	55,673	1,535	16,703
1919	407	126,832	29,871	253	4,723	5,438	224,224	67,080	1,176	19,371
1920	279	26,678	3,748	392	31,575	5,200	321,270	78,966	1,965	27,169
1921	196	5,102	815	445	101,562	2,064	70,511	11,247	3,749	120,220
1922	284	41,930	2,286	309	24,563	4,545	207,996	22,699	2,366	48,282
1923	273	45,924	2,840	334	21,563	5,250	290,050	33,457	2,132	32,587
1924	325	56,900	5,662	313	15,345	4,750	178,869	21,090	2,913	57,754
1925	349	122,966	15,412	289	13,942	4,657	200,316	24,667	2,976	53,116
Paper, pulp, and products						Printing and publishing				
1918	1,277	96,187	46,336	252	3,471	5,192	65,942	17,398	2,006	9,846
1919	1,242	120,215	30,040	272	4,004	5,720	128,968	31,756	1,461	8,992
1920	1,349	241,616	72,302	344	4,035	6,393	163,180	42,250	1,695	13,709
1921	750	44,882	7,584	946	49,170	5,366	124,157	27,183	3,046	26,680
1922	1,066	84,026	9,481	683	22,409	5,771	184,716	21,745	2,939	23,020
1923	1,240	109,909	12,213	575	14,932	6,183	165,947	19,429	3,040	23,627
1924	1,304	92,674	10,675	642	18,361	6,278	175,972	20,802	3,346	26,455
1925	1,288	111,196	14,004	652	12,137	6,523	190,000	23,375	3,397	29,505
Chemicals and allied substances						Stone, clay, and glass products				
1918	3,576	104,413	160,907	1,639	14,871	1,856	83,047	32,056	966	7,737
1919	3,476	471,771	110,586	1,736	28,064	2,338	107,048	24,389	882	11,159
1920	3,047	441,370	98,163	2,779	98,440	2,661	151,173	37,360	1,601	8,287
1921	2,502	158,217	29,598	3,422	132,881	1,996	69,756	12,032	1,683	26,200
1922	3,512	461,221	54,056	2,605	66,158	2,459	125,692	14,938	1,431	16,596
1923	3,472	419,581	49,426	2,845	94,158	2,880	187,844	22,113	1,321	14,374
1924	3,640	466,184	56,050	2,961	76,309	2,735	162,408	16,152	1,621	17,944
1925	3,951	623,278	78,303	3,011	82,352	2,753	181,547	22,853	1,701	17,846

<sup>1</sup>Includes all other manufacturing not shown separately.

**No. 200.—CORPORATION INCOME TAX RETURNS: NUMBER, NET INCOME, AND TAX, BY INDUSTRIAL GROUPS—Continued**

Year	Corporations reporting net income			Corporations reporting no net income		Corporations reporting net income			Corporations reporting no net income	
	Num-ber	Net in-come	Tax	Num-ber	Deficit	Num-ber	Net in-come	Tax	Num-ber	Deficit
	Manufacturing—Continued					Construction				
Metals and metal products										
1918.....	18,539	2,043,328	1,008,091	3,167	44,256	5,297	134,663	71,959	2,434	16,814
1919.....	9,899	1,789,213	457,262	3,429	119,894	5,927	162,464	87,219	2,815	21,862
1920.....	10,135	1,411,647	293,858	4,906	136,787	7,010	113,552	33,179	2,950	28,209
1921.....	8,468	437,367	90,308	10,068	666,002	6,041	87,335	13,595	4,320	51,507
1922.....	8,397	906,956	98,700	7,477	272,040	6,997	91,794	9,633	4,373	52,329
1923.....	10,108	1,427,496	160,771	8,072	178,081	8,151	112,004	11,439	4,400	42,809
1924.....	11,227	1,340,597	162,979	8,943	244,779	8,701	132,704	13,912	4,475	42,011
1925.....	12,760	1,756,753	221,973	8,769	301,445	9,701	156,491	17,581	5,637	43,846
Transportation and other public utilities					Trade					
1918.....	12,564	776,276	149,354	5,683	96,779	58,466	1,054,473	309,901	11,683	52,892
1919.....	14,104	962,069	130,290	6,443	84,109	58,952	1,448,290	363,802	11,207	68,948
1920.....	12,922	889,131	98,623	7,677	150,505	52,278	911,173	192,613	26,607	339,482
1921.....	11,831	821,871	101,622	7,274	323,369	42,809	571,945	96,742	45,370	626,828
1922.....	13,690	979,264	119,481	6,821	198,460	59,791	1,014,013	107,041	35,892	318,698
1923.....	14,269	1,257,410	150,969	6,844	126,650	68,186	1,197,926	128,536	32,460	264,797
1924.....	14,565	1,232,012	148,278	7,806	137,753	68,112	1,098,686	120,649	37,211	296,517
1925.....	16,882	1,468,693	186,314	8,751	134,744	71,910	1,254,046	145,860	37,678	267,509
Public service					Finance—Banking, insurance, etc.					
1918.....	9,745	65,402	14,942	5,154	20,362	49,589	684,000	120,087	16,543	205,975
1919.....	11,393	123,311	25,827	4,331	20,470	52,275	848,284	107,938	28,538	145,140
1920.....	11,914	143,491	31,547	5,576	29,199	55,484	933,304	119,002	23,418	293,936
1921.....	10,694	104,873	19,269	8,409	45,939	54,122	739,297	76,271	28,736	393,166
1922.....	13,494	148,367	16,262	9,651	59,615	58,646	887,835	99,098	32,469	397,061
1923.....	15,482	188,306	20,377	9,632	59,141	62,654	968,083	95,114	34,118	410,813
1924.....	15,465	202,165	22,131	10,825	66,650	67,080	995,124	100,444	37,672	460,597
1925.....	18,571	246,426	28,467	12,410	72,226	73,246	1,523,823	179,948	42,701	456,219

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

# No. 201.—CORPORATION INCOME TAX RETURNS: BY INDUSTRIAL GROUPS AND INDUSTRIES

[All money figures in thousands of dollars]

Industry	1925					Net income or deficit of corporations in 1924	
	Corporations reporting net income			Corporations reporting no net income			
	Number	Net income	Income tax	Number	Deficit	Net income	Deficit
Grand total.....	359,324	9,463,964	1,170,331	177,734	1,962,626	7,566,659	2,226,996
Agriculture and related industries.....	4,993	76,569	9,604	3,243	59,915	64,990	69,499
Mining and quarrying.....	5,456	453,600	56,049	13,675	206,967	240,149	307,091
Coal mining.....	1,102	48,538	5,587	2,655	70,946	46,017	93,982
Metal mining.....	417	63,669	7,927	1,967	33,506	46,775	61,429
Nonmetal mining.....	1,942	276,762	33,685	3,160	66,048	118,175	141,364
Quarrying.....	1,006	38,677	4,795	938	6,766	28,992	8,379
Mining and quarrying, n. p. d. <sup>1</sup>	124	10,048	1,207	569	9,750	183	2,437
Holders and lessors.....	897	15,906	1,846	4,476	22,939		
Manufacturing.....	54,137	4,393,367	546,741	34,537	662,866	3,595,675	639,903
Food products, beverages, and tobacco.....	9,303	533,472	66,587	5,419	91,512	536,653	95,715
Textiles and textile products.....	7,504	413,115	48,814	4,767	114,772	316,928	169,104
Textiles and textile products other than clothing.....	3,359	295,876	34,990	2,120	81,228	227,281	143,299
Clothing.....	4,145	117,239	13,824	2,647	33,544	89,647	44,805
Leather and leather products.....	1,373	76,023	9,169	966	28,896	76,319	31,876
Rubber and rubber goods.....	349	122,966	15,412	289	13,942	56,900	15,345
Lumber and wood products.....	4,637	260,316	24,667	2,976	53,116	176,866	57,754
Paper, pulp, and products.....	1,288	111,186	14,004	652	12,137	92,674	18,361
Printing and publishing.....	6,523	190,909	23,373	3,397	29,605	175,972	28,455
Chemicals and allied substances.....	3,951	623,278	78,393	3,011	82,352	466,184	76,309
Stone, clay, and glass products.....	2,753	181,547	22,853	1,701	17,846	162,403	17,944
Metals and metal products.....	12,760	1,756,753	221,973	8,769	201,445	1,340,597	244,779
All other manufacturing.....	3,676	173,792	21,494	2,570	26,733	197,976	57,561
Construction.....	9,701	166,491	17,061	6,637	43,246	183,704	42,011
Transportation and other public utilities.....	14,662	1,468,093	186,914	8,761	134,744	1,332,019	137,753
Rail transportation.....	909	735,471	94,395	840	64,788	590,430	59,072
Water transportation.....	956	40,161	4,519	792	19,371	33,945	24,222
Local transportation, cartage, and storage.....	5,485	47,045	5,077	3,744	16,571	46,914	13,296
Electric light and power companies, gas companies.....	6,750	536,136	68,599	2,770	19,396	106,332	6,006
All other transportation and other public utilities, n. p. d. <sup>1</sup>	762	106,880	13,724	605	14,618	450,391	35,157
Trade.....	71,910	1,254,046	146,350	37,678	287,506	1,096,585	296,517
Public service Professional, amusements, hotels, etc.....	16,571	246,496	28,467	13,410	72,596	209,166	66,600
Finance.....	73,946	1,623,823	179,946	42,701	456,919	995,194	460,596
Banking and related business.....	24,140	419,213	49,380	10,393	110,970	696,126	266,451
Stock and bond brokers.....	44,430	782,569	92,000	29,680	205,848	30,336	12,980
Insurance.....	1,168	173,279	20,166	802	94,725	154,592	148,487
All other finance, n. p. d. <sup>1</sup>	3,568	148,762	18,402	1,826	44,676	110,070	32,768
All other concerns <sup>2</sup> .....	1,737	90,386	2,277	3,563	15,304	26,015	18,584
Nominal concerns (inactive and nature of business not given).....				13,544	1,966		73

<sup>1</sup> Main business not precisely defined

<sup>2</sup> Those whose business can not be identified with any main division or those engaged in a combination of main divisions when the predominant business is not given

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

**No. 202.—CAPITAL STOCK TAX RETURNS: ANALYSIS FOR MAJOR INDUSTRIAL GROUPS**

[NOTE.—Amounts in millions and tenths of millions of dollars. Data are from returns filed for year ended June 30, 1925, balance sheets being as of a date not earlier than Dec. 31, 1924, nor later than June 30, 1925, and include taxable and nontaxable corporations. For totals for other groups see Table 203]

	Corporations filing statements of assets and liabilities						Corporations not filing statements of assets and liabilities
	All corporations	Mining and quarrying	Manufacturing	Transportation and public utilities	Trade	Finance	
Number of returns.....	372, 516	14, 897	86, 268	24, 066	96, 317	98, 920	51, 875
Assets, total.....	148, 298. 7	10, 489. 4	49, 818. 6	38, 525. 6	15, 578. 8	27, 377. 4	-----
Current assets.....	60, 379. 3	2, 219. 5	23, 760. 6	4, 772. 8	12, 072. 1	15, 090. 7	-----
Cash.....	16, 920. 1	383. 6	3, 065. 3	1, 368. 1	1, 039. 8	10, 645. 0	-----
Accounts receivable.....	18, 209. 9	932. 9	7, 880. 4	1, 656. 5	4, 801. 2	1, 882. 6	-----
Notes receivable.....	5, 656. 4	154. 7	1, 593. 5	660. 7	764. 8	2, 136. 3	-----
Inventory.....	19, 592. 9	748. 3	11, 221. 4	1, 087. 5	5, 466. 3	426. 8	-----
Fixed assets.....	87, 919. 4	8, 269. 9	25, 458. 0	33, 752. 8	3, 506. 7	12, 286. 7	-----
Liabilities, total.....	59, 137. 8	2, 863. 0	13, 161. 7	22, 572. 5	7, 947. 1	9, 483. 0	-----
Current liabilities.....	27, 313. 4	1, 672. 2	8, 764. 1	3, 265. 6	7, 136. 8	4, 517. 3	-----
Accounts payable.....	13, 816. 0	1, 076. 8	4, 539. 0	1, 954. 7	3, 051. 8	2, 160. 9	-----
Notes payable.....	13, 497. 4	595. 4	4, 225. 0	1, 310. 9	4, 085. 0	2, 356. 4	-----
Long-term liabilities.....	31, 824. 4	1, 190. 8	4, 387. 6	19, 306. 9	810. 3	4, 965. 7	-----
Bonded debt.....	25, 437. 8	979. 3	3, 640. 0	18, 356. 8	301. 6	1, 596. 2	-----
Mortgages.....	6, 386. 6	211. 5	747. 6	950. 1	508. 7	3, 369. 5	-----
Capitalization:							
Corporations reporting common stock with a par value—							
Preferred stock.....	11, 251. 1	523. 2	5, 028. 4	3, 461. 4	930. 8	906. 7	585. 8
Common stock.....	60, 048. 5	6, 431. 0	19, 861. 3	14, 823. 1	6, 112. 1	9, 575. 0	4, 290. 0
All other corporations <sup>1</sup> —							
Preferred stock.....	4, 795. 1	226. 3	2, 019. 6	923. 3	494. 9	910. 7	119. 5
Surplus.....	43, 262. 5	3, 912. 4	17, 272. 6	7, 310. 3	4, 219. 3	8, 518. 4	877. 6
Deficit.....	5, 398. 6	830. 2	1, 815. 8	935. 5	599. 9	671. 2	302. 1
Fair value of capital stock.....	93, 295. 9	6, 876. 9	37, 600. 1	16, 679. 0	10, 120. 0	17, 785. 5	1, 953. 6
Tax.....	89. 0	6. 5	36. 7	15. 7	9. 6	16. 6	. 3

<sup>1</sup> Corporations reporting common stock without par value or not specifying as to par value.

**No. 203.—ASSETS OF CORPORATIONS: AS SHOWN ON CAPITAL STOCK TAX RETURNS OF CORPORATIONS FILING STATEMENTS OF ASSETS AND LIABILITIES**

[NOTE.—In millions of dollars. For date, etc., see headnote, Table 202]

	Total <sup>1</sup>	Agriculture	Mining and quarrying	Manufacturing						
				Total <sup>2</sup>	Food	Textiles	Leather	Rubber	Lumber	Paper
Assets, total.....	148, 298	1, 746	10, 490	49, 818	7, 269	6, 017	1, 157	961	3, 001	1, 483
Current assets.....	60, 379	450	2, 220	23, 760	3, 195	3, 202	832	526	1, 381	542
Cash.....	16, 920	40	384	3, 065	442	348	76	51	113	56
Accounts receivable.....	18, 210	121	933	7, 880	1, 030	937	305	217	458	188
Notes receivable.....	5, 656	81	155	1, 594	158	76	22	18	99	23
Inventory.....	19, 593	208	748	11, 221	1, 565	1, 841	429	240	711	275
Fixed property.....	87, 919	1, 296	8, 270	25, 458	4, 074	2, 815	325	435	1, 620	941
	Manufacturing—Continued					Transportation and other public utilities		Trade	Public service	Finance
	Printing	Chemicals	Stone, etc.	Metals	Construction	Total	Steam railroads <sup>3</sup>			
Assets, total.....	1, 345	7, 404	1, 340	16, 884	1, 716	38, 525	1, 590	15, 579	2, 716	27, 378
Current assets.....	672	3, 071	488	8, 721	947	4, 772	1, 505	12, 072	682	15, 091
Cash.....	108	348	68	1, 298	149	1, 368	674	1, 040	176	10, 645
Accounts receivable.....	341	1, 153	174	2, 740	526	1, 656	383	4, 801	285	1, 883
Notes receivable.....	41	181	27	877	76	661	54	765	84	2, 136
Inventory.....	182	1, 389	219	3, 806	196	1, 087	394	5, 466	137	427
Fixed property.....	673	4, 333	852	8, 163	769	33, 753	15	3, 507	2, 034	12, 287

<sup>1</sup> Includes combination enterprises, inactive concerns, and exempt corporations (not for profit).

<sup>2</sup> Includes all other manufacturing not shown separately.

<sup>3</sup> Excluding lesser companies, data for which could not be segregated from lesser electric companies.

Source of Tables 202 and 203: Statistics of Income, Report of the Commissioner of Internal Revenue.

## No. 204.—CAPITAL STOCK TAX RETURNS: BY INDUSTRIAL GROUPS

[NOTE.—Amounts in thousands of dollars. As to date, see headnote, Table 000. Data relate to taxable and nontaxable corporations filing statements of assets and liabilities. Certain minor deductions are made from fair values to give taxable fair value, on which the tax is one-tenth of 1 per cent.]

Industrial group	Number of returns	Fixed property investments	Bonded debt and mortgages	Capital stock		Tax
				Total par value <sup>1</sup>	Fair value	
<b>Grand total</b> .....	<b>379,516</b>	<b>87,918,439</b>	<b>21,894,431</b>	<b>76,094,626</b>	<b>98,226,941</b>	<b>89,041</b>
<b>Agriculture, total</b> .....	<b>8,733</b>	<b>1,898,411</b>	<b>304,100</b>	<b>1,051,894</b>	<b>1,113,649</b>	<b>1,034</b>
Farming.....	7,458	952,948	186,629	749,965	710,569	677
Related industries.....	1,275	343,463	37,471	302,029	403,073	377
<b>Mining and quarrying, total</b> .....	<b>14,397</b>	<b>8,269,869</b>	<b>1,190,368</b>	<b>7,180,543</b>	<b>8,876,910</b>	<b>8,457</b>
Coal mining.....	3,793	2,849,482	348,695	1,551,504	1,971,258	1,943
Metal mining.....	1,528	1,592,123	246,809	1,463,508	1,394,455	1,364
Oil and gas.....	4,142	2,042,878	212,613	2,097,850	1,933,678	1,906
Quarrying.....	1,664	279,116	24,397	206,665	216,664	208
All other mining and quarrying.....	3,769	1,506,270	158,294	1,862,016	1,360,855	1,036
<b>Manufacturing, total</b> .....	<b>36,988</b>	<b>25,437,958</b>	<b>4,387,592</b>	<b>26,808,419</b>	<b>27,800,069</b>	<b>26,683</b>
Food products.....	14,477	4,073,992	920,327	3,871,520	4,057,450	4,876
Textile products.....	11,724	2,814,635	197,552	2,938,397	4,124,684	3,967
Leather products.....	2,373	325,153	156,130	682,711	775,205	764
Rubber goods.....	668	434,706	191,730	585,378	609,819	607
Lumber products.....	7,451	1,619,537	186,170	1,377,893	2,278,370	2,235
Paper products.....	1,665	941,142	166,782	733,314	956,564	945
Printing.....	9,264	673,334	96,122	714,334	1,218,347	1,177
Chemicals.....	6,954	4,332,664	627,189	4,837,545	6,478,264	6,429
Stone, clay, and glass.....	4,212	852,418	74,312	723,375	1,006,944	972
Metal manufacturing.....	21,598	8,162,539	1,641,954	9,175,986	12,357,604	12,002
All other manufacturing.....	5,622	1,237,936	129,814	1,269,466	1,736,918	1,709
<b>Construction</b> .....	<b>18,661</b>	<b>788,186</b>	<b>912,638</b>	<b>676,097</b>	<b>877,545</b>	<b>818</b>
<b>Transportation and other public utilities, total</b> .....	<b>24,069</b>	<b>33,782,738</b>	<b>19,806,917</b>	<b>19,907,786</b>	<b>18,678,045</b>	<b>18,742</b>
Steam railroads.....	1,681	14,578,387	9,162,277	6,907,410	5,681,137	5,542
Electric railroads.....	578	3,044,814	1,972,110	1,171,348	565,934	437
All other railroads and combinations.....	310	1,324,071	925,248	550,639	395,772	392
Water transportation.....	1,902	682,458	196,100	562,217	552,073	541
Local transportation, cab, livery, etc.....	4,258	121,555	34,107	106,861	122,973	106
Electric light and power companies.....	2,153	3,720,083	1,852,528	1,821,528	1,873,784	1,859
Gas companies.....	768	1,182,714	340,804	950,996	1,121,412	1,118
Telephone, telegraph, and radio companies.....	3,983	1,833,955	892,107	2,557,943	2,267,099	2,251
Water works.....	1,641	571,911	234,172	316,431	244,750	235
Storage companies.....	5,057	599,686	142,507	403,669	444,952	419
Lessor companies, steam or electric railroads.....	155	1,142,684	585,624	660,006	523,290	516
All other public utilities.....	2,180	5,000,468	2,969,333	3,109,720	2,945,849	2,524
<b>Trade, total</b> .....	<b>26,317</b>	<b>3,508,689</b>	<b>810,297</b>	<b>7,537,872</b>	<b>10,180,036</b>	<b>9,650</b>
Wholesale.....	20,444	941,985	182,962	2,604,143	3,334,596	3,234
Retail.....	42,593	1,107,474	278,019	2,222,014	3,111,895	2,890
Department stores.....	1,382	432,911	98,770	590,846	889,299	883
Commission trade.....	4,563	77,357	18,767	387,683	490,534	471
Wholesale and retail trade.....	7,319	430,107	86,621	687,738	1,001,664	906
All other trade.....	19,610	516,855	148,188	1,045,448	1,292,046	1,206
<b>Service, total</b> .....	<b>94,025</b>	<b>2,034,500</b>	<b>611,594</b>	<b>1,646,748</b>	<b>1,647,177</b>	<b>1,545</b>
Motion-picture production.....	314	25,860	6,698	63,281	70,947	70
Domestic.....	7,446	1,163,967	409,355	546,918	620,061	586
Amusement.....	5,376	482,312	137,826	331,682	378,114	354
Management economics.....	3,268	42,259	8,605	246,560	234,753	223
Educational.....	1,024	50,579	10,278	38,586	36,049	32
Curative.....	1,211	61,001	9,629	46,668	45,640	41
Legal.....	1,072	8,244	777	31,608	31,994	27
Engineering.....	1,331	36,838	2,881	124,039	60,616	55
All other service.....	2,983	163,440	25,345	137,346	189,003	157
<b>Finance, total</b> .....	<b>98,920</b>	<b>12,286,684</b>	<b>4,965,764</b>	<b>11,392,363</b>	<b>17,785,535</b>	<b>16,804</b>
National banks.....	7,777	705,107	1,618	1,325,619	2,539,107	2,900
State banks.....	15,023	462,628	50,947	773,753	1,292,419	1,214
Private banks.....	101	5,952	125	14,066	23,316	22
Trust or banking and trust companies.....	3,984	854,980	37,684	1,024,315	2,209,265	2,335
Stocks and bonds, loans, realty holdings, etc.....	67,545	9,961,311	4,783,019	7,304,904	9,271,406	8,410
Insurance companies.....	613	42,033	7,506	68,448	83,192	77
All other finance.....	3,875	254,673	84,855	861,266	1,776,910	1,723
<b>Combinations, predominant industry not ascertainable, and inactive concerns</b> .....	<b>4,363</b>	<b>464,778</b>	<b>108,517</b>	<b>409,970</b>	<b>527,250</b>	<b>488</b>
<b>Exempt corporations (not for profit)</b> .....	<b>2,216</b>	<b>80,579</b>	<b>25,124</b>	<b>101,861</b>	<b>68,762</b>	<b>-</b>

<sup>1</sup> Not including value of common stock of corporations referred to in footnote 1, Table 202.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.



**No. 205.—FEDERAL ESTATE TAX RETURNS: RETURNS OF RESIDENT DECEDENTS DISTRIBUTED BY SIZE OF NET ESTATE**

[All money figures, except average amount of tax per return, in thousands of dollars]

	Grand total					1926: No net estate
	1916-1922	1923	1924	1925	1926	
Number of returns.....	54, 433	13, 013	12, 403	14, 013	13, 142	2, 672
Gross estate, total.....	11, 665, 014	2, 494, 978	2, 350, 949	2, 958, 363	3, 336, 267	235, 003
Real estate.....	(1)	615, 693	553, 434	651, 229	647, 836	80, 138
Bonds exempt or partially exempt.....	(1)	193, 398	192, 470	228, 511	293, 899	7, 678
Other bonds.....	(1)	179, 742	155, 050	232, 173	253, 583	8, 388
Capital stock in corporations.....	(1)	780, 679	738, 363	973, 886	1, 266, 396	42, 204
All other.....	(1)	725, 466	710, 932	872, 564	924, 553	97, 097
Deductions, total.....	4, 789, 884	1, 211, 400	1, 160, 984	1, 408, 612	1, 504, 812	306, 518
Specific exemption.....	2, 721, 650	650, 650	620, 000	700, 650	680, 400	145, 050
Charitable, public, and similar bequests.....	460, 384	73, 592	65, 928	116, 360	226, 708	27, 793
Property from an estate taxed within 5 years.....	132, 455	55, 915	67, 713	88, 811	71, 065	25, 116
Funeral and administrative expenses, debts, mortgages, etc.....	1, 475, 395	391, 605	366, 608	444, 916	463, 499	96, 667
Insurance exemption.....		39, 638	40, 035	57, 875	53, 540	8, 872
Net taxable estate <sup>1</sup> .....	7, 023, 455	1, 347, 092	1, 261, 002	1, 631, 008	1, 951, 969	<sup>1</sup> 69, 914
Total tax.....	466, 977	68, 090	65, 900	96, 931	138, 056	-----
Tax credit <sup>4</sup> .....				10, 707	36, 732	-----
Net tax.....	466, 977	68, 090	65, 900	86, 224	101, 324	-----
Average tax per return (dollars).....	8, 579	5, 232	5, 313	6, 153	7, 710	-----
Average rate of tax on net taxable estate (per cent).....	6. 64	5. 05	5. 22	5. 31	5. 19	-----

	1926: Estate of—					
	Under \$50,000	\$50, 000—\$150,000	\$150, 000—\$450,000	\$450, 000—\$1,000,000	\$1, 000, 000—\$5,000,000	\$5,000,000 and over
Number of returns.....	5, 311	2, 745	1, 606	525	262	21
Gross estate, total.....	483, 920	497, 994	600, 389	456, 437	656, 813	463, 111
Real estate.....	150, 136	127, 397	116, 526	78, 069	83, 326	12, 243
Bonds exempt or partially exempt.....	21, 574	25, 514	40, 224	34, 392	88, 056	76, 463
Other bonds.....	33, 237	39, 968	53, 122	40, 919	45, 894	32, 058
Capital stock in corporations.....	98, 996	134, 417	216, 473	192, 774	321, 707	259, 725
All other.....	179, 977	170, 698	174, 044	110, 283	119, 830	72, 622
Deductions, total.....	376, 502	254, 663	195, 532	108, 689	153, 589	106, 718
Specific exemption.....	272, 050	144, 800	84, 650	27, 850	13, 750	1, 250
Charitable, public, and similar bequests.....	9, 157	21, 413	18, 065	14, 571	58, 763	76, 946
Property from an estate taxed within 5 years.....	12, 003	11, 186	8, 065	6, 361	6, 605	1, 731
Funeral and administrative expenses, debts, mortgages, etc.....	70, 096	67, 114	73, 150	54, 939	70, 869	28, 642
Insurance exemption.....	13, 196	10, 150	11, 602	4, 968	3, 602	1, 149
Net taxable estate <sup>1</sup> .....	107, 418	243, 331	494, 857	347, 748	505, 223	343, 393
Total tax.....	1, 077	3, 516	9, 519	14, 117	44, 406	65, 422
Tax credit <sup>4</sup> .....	195	795	2, 413	3, 695	10, 208	19, 427
Net tax.....	882	2, 721	7, 106	10, 422	34, 198	46, 995
Average tax per return (dollars).....	166	991	4, 425	19, 853	130, 526	2, 190, 231
Average rate of tax on net taxable estate (per cent).....	0. 82	1. 12	1. 76	3. 00	6. 77	13. 39

<sup>1</sup> Not available.  
<sup>2</sup> In arriving at grand total net taxable estate, the grand total deductions shown are diminished by the deductions in excess of gross estate shown for 1926 in column "No net estate."  
<sup>3</sup> Deductions in excess of gross estate.  
<sup>4</sup> Credit for payments of estate, inheritance, legacy, or succession taxes actually made to any of the several States or Territories.

No. 206.—PUBLIC DEBT OF THE UNITED STATES: 1800 TO 1927

[All figures except per capita in thousands of dollars]

June 30—	Gross debt <sup>1</sup>		Interest bearing <sup>2</sup>	Ma- tured	Non- interest bear- ing <sup>1</sup>	June 30—	Gross debt <sup>1</sup>		Interest bearing <sup>2</sup>	Ma- tured	Non- interest bear- ing <sup>1</sup>
	Amount	Per capita					Amount	Per capita			
1800.	82,976	\$15.63	-----	-----	-----	1891.	1,005,807	\$15.75	610,529	1,615	393,663
1810.	53,178	7.34	-----	-----	-----	1892.	968,219	14.88	585,029	2,786	380,404
1820.	91,016	9.44	-----	-----	-----	1893.	961,432	14.49	585,037	2,094	374,301
1830.	48,565	3.77	-----	-----	-----	1894.	1,016,898	15.04	635,042	1,851	380,005
1840.	3,573	.21	-----	-----	-----	1895.	1,096,913	15.91	716,202	1,722	378,989
1850.	63,453	2.74	-----	-----	-----	1896.	1,222,729	17.40	847,364	1,637	373,729
1855.	35,588	1.32	35,418	170	-----	1897.	1,226,794	17.14	847,365	1,347	378,082
1860.	64,844	2.06	64,683	161	-----	1898.	1,232,743	16.90	847,367	1,263	384,113
1861.	90,582	2.83	90,423	159	-----	1899.	1,436,701	19.33	1,046,049	1,218	389,434
1862.	524,178	16.03	365,356	231	158,591	1900.	1,263,417	16.56	1,023,479	1,176	238,762
1863.	1,119,774	33.56	707,834	172	411,767	1901.	1,221,572	15.71	987,141	1,416	233,016
1864.	1,815,831	53.33	1,360,027	367	455,437	1902.	1,178,031	14.89	931,070	1,281	245,680
1865.	2,677,929	77.07	2,217,709	2,129	458,090	1903.	1,159,406	14.40	914,541	1,205	243,659
1866.	2,755,764	77.69	2,322,116	4,436	429,212	1904.	1,136,259	13.88	895,157	1,971	239,131
1867.	2,650,168	73.19	2,238,955	1,739	409,474	1905.	1,132,357	13.60	895,158	1,370	235,829
1868.	2,583,446	69.87	2,191,326	1,246	390,874	1906.	1,142,523	13.50	895,159	1,128	246,236
1869.	2,545,111	67.41	2,151,495	5,112	388,503	1907.	1,147,178	13.33	894,834	1,087	251,257
1870.	2,436,453	63.19	2,035,881	3,570	397,003	1908.	1,177,690	13.46	897,504	4,130	276,056
1871.	2,322,052	58.70	1,920,697	1,949	399,406	1909.	1,148,315	12.91	913,317	2,884	232,114
1872.	2,209,991	54.44	1,800,794	7,927	401,270	1910.	1,146,940	12.69	913,317	2,125	231,498
1873.	2,151,210	51.62	1,696,484	51,929	402,797	1911.	1,153,985	12.28	915,353	1,880	236,752
1874.	2,159,933	50.47	1,724,931	3,216	431,786	1912.	1,193,839	12.48	963,777	1,760	228,301
1875.	2,156,277	49.06	1,708,676	11,426	436,175	1913.	1,193,048	12.36	965,707	1,660	225,682
1876.	2,130,846	47.21	1,696,685	3,902	430,258	1914.	1,188,235	12.00	967,953	1,553	218,730
1877.	2,107,760	45.47	1,697,888	16,649	393,223	1915.	1,191,264	11.83	969,759	1,507	219,998
1878.	2,159,418	45.37	1,780,736	5,594	373,089	1916.	1,225,146	11.96	971,563	1,473	252,110
1879.	2,298,913	47.05	1,887,716	37,015	374,181	1917.	2,975,619	28.57	2,712,549	14,232	248,837
1880.	2,090,909	41.69	1,709,993	7,621	373,295	1918.	12,243,629	115.65	11,985,882	20,243	237,504
1881.	2,019,286	39.35	1,625,568	6,724	386,994	1919.	25,482,034	240.09	25,234,496	11,109	236,429
1882.	1,856,916	35.37	1,449,810	16,261	390,845	1920.	24,297,918	228.33	24,061,095	6,748	230,075
1883.	1,721,959	32.07	1,324,229	7,831	389,899	1921.	23,976,251	221.82	23,737,352	10,940	227,959
1884.	1,625,307	29.60	1,212,564	19,656	393,068	1922.	22,964,079	209.25	22,711,036	25,251	227,793
1885.	1,578,551	28.11	1,182,151	4,101	392,299	1923.	22,349,688	200.86	22,007,591	98,172	243,925
1886.	1,555,660	27.10	1,132,014	9,704	413,941	1924.	21,251,120	188.59	20,981,586	30,241	239,293
1887.	1,465,485	24.97	1,007,692	6,115	451,678	1925.	20,516,272	179.80	20,210,906	30,243	275,123
1888.	1,384,632	23.09	936,522	2,496	445,613	1926.	19,643,183	170.04	19,383,771	13,328	246,084
1889.	1,249,471	20.39	815,854	1,911	431,705	1927.	18,510,174	158.28	18,250,944	14,707	244,523
1890.	1,122,397	17.92	711,313	1,816	409,268						

Date	Gross debt <sup>1</sup>	Interest-bearing debt					Matured debt on which interest has ceased	Debt bearing no inter- est <sup>1</sup>
		Pre-war loans un- matured	Liberty and Treasury bonds	Notes (Victory Liberty loan and Treasury)	Certifi- cates of indebt- edness	Treas- ury savings securi- ties <sup>2</sup>		
June 30, 1916.....	1,225,146	971,563	-----	-----	-----	-----	1,473	252,110
Apr. 5, 1917.....	1,281,969	1,023,557	-----	-----	-----	-----	1,459	256,952
June 30, 1917.....	2,975,629	973,357	1,466,335	-----	272,857	-----	14,232	248,837
June 30, 1918.....	12,243,629	966,166	8,963,714	-----	1,706,205	349,797	20,243	237,504
Nov. 30, 1918.....	19,438,375	892,570	15,078,769	-----	2,271,811	907,922	46,142	241,161
June 30, 1919.....	25,482,034	883,360	16,304,310	3,467,845	3,624,983	953,997	11,109	236,429
Aug. 31, 1919.....	26,594,268	883,463	16,219,399	4,113,405	4,201,209	931,302	9,914	235,576
June 30, 1920.....	24,297,918	883,549	15,334,836	4,246,365	2,768,926	827,419	6,748	230,075
June 30, 1921.....	23,976,251	883,728	15,235,216	4,224,972	2,699,330	694,105	10,940	227,959
June 30, 1922.....	22,964,079	883,840	15,081,613	4,237,780	1,828,787	679,015	25,251	227,793
June 30, 1923.....	22,349,688	883,670	15,651,108	4,104,195	1,031,418	337,199	98,172	243,925
June 30, 1924.....	21,251,120	883,704	15,141,756	3,735,309	807,514	413,304	30,241	239,293
June 30, 1925.....	20,516,272	765,316	16,076,974	2,404,241	578,685	385,690	30,243	275,123
June 30, 1926.....	19,643,183	765,860	16,162,418	1,612,404	483,279	359,810	13,328	246,084
Dec. 31, 1926....	19,074,654	766,201	15,864,084	1,197,481	639,039	355,742	12,140	239,966
June 30, 1927.....	18,510,174	766,550	14,453,845	2,019,195	702,096	309,259	14,707	244,523
Dec. 31, 1927.....	18,036,056	767,272	13,174,501	2,252,210	1,247,045	244,646	110,441	239,942

<sup>1</sup> After deducting gold reserve.  
<sup>2</sup> Exclusive of bonds issued to the Pacific railways and the Navy pension fund.  
<sup>3</sup> Amounts outstanding of series of 1918, 1919, 1920, and 1921 (except issue of Dec. 15, 1921) are amounts issued on the basis of reports of sales or of cash receipts less amounts retired on the basis of redemption value. Amounts outstanding of all other series are the net redemption value. Includes net receipts from the sale of thrift stamps and Treasury savings stamps prior to June 30, 1926.

Source: Annual reports of the Secretary of the Treasury.

No. 207.—PUBLIC DEBT OF THE UNITED STATES: DEBT OUTSTANDING, BY SPECIFIC LOANS, JUNE 30, 1927

PUBLIC DEBT

203

Title and authorizing act	Date of loan	When redeemable or payable	Rate of interest	Interest payable	Average price received	Amount authorized	Amount issued	Amount outstanding
<b>INTEREST-BEARING DEBT</b>								
<b>Consols of 1900:</b> Act of Mar. 14, 1900	Apr. 1, 1900	After Apr. 1, 1930	Per cent 2	Jan., Apr., July, and Oct. 1.	\$100.5116	\$839, 146, 340	\$646, 250, 150	\$599, 724, 000
<b>Panama Canal Loan:</b>								
Acts of June 28, 1902, and Dec. 21, 1905	{ Aug. 1, 1906 Nov. 1, 1908	{ After Aug. 1, 1916; on Aug. 1, 1936. After Nov. 1, 1918; on Nov. 1, 1938.	2 2	Feb., May, Aug., and Nov. 1. do	103.513 102.436	180, 000, 000	{ 54, 631, 980 30, 000, 000	{ 48, 954, 180 25, 947, 400
Acts of Aug. 5, 1909; Feb. 4, 1910; and Mar. 2, 1911.	June 1, 1911	On June 1, 1961	3	Mar., June, Sept., and Dec. 1.	102.582	200, 569, 000	50, 000, 000	49, 800, 000
<b>Postal Savings bonds:</b> Act of June 25, 1910	Jan. 1, July 1, 1911-1927.	On and after 1 year; 20 years from issue.	2½	Jan. and July 1	Par	Indefinite.	18, 229, 660	18, 229, 660
<b>Conversion bonds:</b> Act of Dec. 23, 1913	Jan. 1, 1916-1917.	30 years from issue.	3	Jan., Apr., July, and Oct. 1.	Exchange		28, 894, 500	28, 894, 500
<b>First Liberty Loan:</b> First 3½'s, act of Apr. 24, 1917	June 15, 1917	On and after June 15, 1932; on June 15, 1947.	3½		Par	5, 538, 945, 460	1, 989, 455, 550	1, 397, 687, 000
First 4's, acts of Apr. 24, 1917 and Sept. 24, 1917. <sup>1</sup>	Nov. 15, 1917	do	4	June and Dec. 15	Exchange	1, 989, 455, 550	568, 318, 450	5, 155, 700
First 4½'s; same acts	May 9, 1918	do	4½		do	1, 989, 455, 550	555, 212, 250	532, 823, 350
First second 4½'s; same acts	Oct. 24, 1918	do	4½		do	1, 413, 566, 550	3, 492, 150	3, 492, 150
<b>Second Liberty Loan:</b> Second 4's, act of Sept. 24, 1917 <sup>1</sup>	Nov. 15, 1917	Called for redemption, Nov. 15, 1927.	4	May and Nov. 15	Par	7, 538, 945, 460	3, 807, 865, 000	18, 323, 300
Second 4½'s, act of Sept. 24, 1917 <sup>1</sup>	May 9, 1918	do	4½	do	Exchange	3, 807, 865, 000	3, 707, 934, 900	1, 288, 056, 450
<b>Third Liberty Loan:</b> Act of Sept. 24, 1917 <sup>1</sup>	do	On Sept. 15, 1928.	4½	Mar. and Sept. 15.	Par	8, 192, 135, 000	4, 175, 650, 000	2, 147, 664, 850
<b>Fourth Liberty Loan:</b> Act of Sept. 24, 1917 <sup>1</sup>	Oct. 24, 1918	On and after Oct. 15, 1933; on Oct. 15, 1938.	4½	Apr. and Oct. 15	do	12, 016, 484, 950	6, 964, 581, 100	6, 296, 906, 450
<b>Treasury bonds, act of Sept. 24, 1917:<sup>1</sup></b> 4½ per cent bonds of 1947-1952	Oct. 16, 1922	On and after Oct. 15, 1947; on Oct. 15, 1952.	4½	do	Par and exchange.	763, 962, 300	763, 962, 300	762, 330, 300

<sup>1</sup> As amended.

## PUBLIC DEBT

Title and authorizing act	Date of loan	When redeemable or payable	Rate of interest	Interest payable	Average price received	Amount authorized	Amount issued	Amount outstanding
INTEREST-BEARING DEBT—continued								
Treasury bonds, act of Sept. 24, 1917 <sup>1</sup> —(Con. 4 per cent bonds of 1944-1954	Dec. 15, 1924	On and after Dec. 15, 1944; on Dec. 15, 1954.	Per cent 4	June and Dec. 15.	Par and exchange.	\$1,047,088,500	\$1,047,088,500	\$1,042,401,500
3½ per cent bonds of 1946-1956	Mar. 15, 1926	On and after Mar. 15, 1946; on Mar. 15, 1956.	3½	Mar. and Sept. 15.	do.	494,898,100	494,898,100	491,212,100
3½ per cent bonds of 1943-1947	June 15, 1927	On and after June 15, 1943; on June 15, 1947.	3½	June and Dec. 15.	do.	467,801,650	467,801,650	467,801,650
Treasury notes, act of Sept. 24, 1917: 1								
Series A-1927	Jan. 15, 1923	On Dec. 15, 1927.	4½	do.	do.		366,981,500	355,779,900
Series A-1930-1932	Mar. 15, 1927	On and after Mar. 15, 1930; on Mar. 15, 1932.	3½	Mar. and Sept. 15.	Exchange.		1,360,456,450	1,320,914,650
Adjusted service—								
Series A-1930	Jan. 1, 1925	After Jan. 1, 1926; on Jan. 1, 1930.	4	Jan. 1	Par		50,000,000	50,000,000
Series A-1931	Jan. 1, 1926	After Jan. 1, 1927; on Jan. 1, 1931.	4	do.	do.	Not exceeding \$7,500,000,000 outstanding at any one time.	53,500,000	53,500,000
Series B-1931	Mar. 5, 1926	After Mar. 5, 1927; on Jan. 1, 1931.	4	do.	do.		70,000,000	70,000,000
Series A-1932	Jan. 1, 1927	After Jan. 1, 1928; on Jan. 1, 1932.	4	do.	do.		123,400,000	123,400,000
Civil-service retirement fund—								
Series 1931	Mar. 14, 1927	After Mar. 14, 1928; on June 30, 1931.	4	June 30	do.		31,200,000	31,200,000
Series 1932	June 30, 1927	After June 30, 1928; on June 30, 1932.	4	do.	do.		14,400,000	14,400,000
Certificates of indebtedness, act of Sept. 24, 1917: 1								
Series TS-1927	Dec. 15, 1926	On Sept. 15, 1927.	3½	Mar. and Sept. 15.	Par and exchange.	Not exceeding \$10,000,000,000 outstanding at any one time.	229,269,500	229,269,500
Series TS 2-1927	Mar. 15, 1927	do.	3½	Sept. 15	do.		199,888,000	150,618,000
Series TM-1928	do.	On Mar. 15, 1928.	3½	Sept. and Mar. 15.	do.		314,408,000	306,208,000
Adjusted service—								
Series A-1928	Jan. 1, 1927	On Jan. 1, 1928.	4	At maturity	Par		23,800,000	16,000,000

Treasury savings certificates,<sup>1</sup> act of Sept. 24, 1917:<sup>1</sup>

Series 1922, issue of Dec. 15, 1921	Dec. 15, 1921	5 years from date of issue.	3½-4½	Sold at discount, payable at par on maturity.		Not exceeding \$4,000,000,000 outstanding at any one time.	132,985,319	80,878,082
Series 1922, issue of Sept. 30, 1922	Sept. 30, 1922	do	3-4	do		21,040,767	21,040,767	14,385,784
Series 1923, issue of Sept. 30, 1922	do	do	3-4	do		172,844,386	172,844,386	127,388,269
Series 1923, issue of Dec. 1, 1923	Dec. 1, 1923	do	3½-4½	do		30,080,329	30,080,329	23,198,942
Series 1924, issue of Dec. 1, 1923	do	do	3½-4½	do		116,309,514	116,309,514	93,410,266
Total interest-bearing debt								18,350,943,998
Total matured debt on which interest has ceased.								14,707,986

Title and authorizing act	Authorized to be outstanding at one time	Issues or deposits, including reissues	Authorized to be outstanding at present time	Outstanding
NONINTEREST-BEARING DEBT				
Old demand notes: Acts of July 17, 1861; Aug. 5, 1861; Feb. 12, 1862	\$60,000,000	\$60,080,000		\$53,013
Fractional currency: Acts of July 17, 1862; Mar. 3, 1863; June 30, 1864	50,000,000	\$368,724,080		\$1,908,384
Legal-tender notes: Acts of Feb. 25, 1862; July 11, 1862; Mar. 3, 1863; May 31, 1878; Mar. 14, 1900; Mar. 4, 1907	450,000,000		\$346,681,016	346,681,016
National-bank notes (redemption account): The act of July 14, 1890 provides that balances standing with the Treasurer of the United States to the respective credits of national banks for deposits made to redeem the circulating notes of such banks, and all deposits thereafter received for like purpose, shall be covered into the Treasury as a miscellaneous receipt, and the Treasurer of the United States shall redeem from the general cash in the Treasury the circulating notes of said banks which may come into his possession subject to redemption, and the balance remaining of the deposits so covered shall, at the close of each month, be reported on the monthly public debt statement as debts of the United States bearing no interest.	Indefinite			47,605,174
Thrift and Treasury savings stamps, unclassified sales, etc				3,611,199
Total noninterest-bearing debt				399,943,796
Total debt				18,665,594,987
Less gold reserve				155,420,721
Gross debt as shown on statement of the public debt June 30, 1937				18,510,174,266

<sup>1</sup> As amended.  
<sup>2</sup> Amounts issued and amounts outstanding of Treasury savings certificates are on basis of net redemption value.  
<sup>3</sup> Including reissues.  
<sup>4</sup> After deducting amounts officially estimated to have been lost or irrevocably destroyed.  
Source: Annual Report of the Secretary of the Treasury.

**No. 208.—PUBLIC DEBT OF THE UNITED STATES: TRANSACTIONS FROM  
JULY 1, 1926, TO JUNE 30, 1927**

[All figures in thousands of dollars]

Title of issue	Outstand- ing June 30, 1926	Issued upon original subscrip- tion	Retired account of redemp- tion	Issued and retired account of conver- sion, ex- change, etc.	Outstand- ing June 30, 1927
<b>INTEREST-BEARING DEBT</b>					
<b>Pre-war bonds, total</b>	<b>786,880</b>	<b>890</b>		<b>83,318</b>	<b>786,880</b>
2 per cent consols of 1930	599,724			42,365	599,724
2 per cent Panama Canal loan of 1916-1936	48,954			4,627	48,954
2 per cent Panama Canal loan of 1918-1938	25,947			1,192	25,947
3 per cent Panama Canal loan of 1961	49,800			3,231	49,800
3 per cent conversion bonds of 1946	15,761			720	15,761
3 per cent conversion bonds of 1947	13,134			823	13,134
2½ per cent postal savings bonds (first to thirty-second series)	12,540	690		358	13,230
<b>Liberty bonds, total</b>	<b>11,858,494</b>		<b>2,168,375</b>	<b>1,418,009</b>	<b>11,690,109</b>
First Liberty loan of 1932-1947—					
First 3¼'s	1,397,689		2	62,621	1,397,687
First 4's	5,157		1	934	5,156
First 4½'s	532,874		51	57,799	532,823
First second 4½'s	3,492			227	3,492
Second Liberty loan of 1927-1942—					
Second 4's	20,850		2,525	3,686	18,323
Second 4½'s	3,083,678		1,796,623	452,209	1,288,056
Third Liberty loan of 1928, 4½'s	2,488,272		340,608	294,156	2,147,665
Fourth Liberty loan of 1933-1938, 4½'s	6,324,472		27,566	547,296	6,296,906
<b>Treasury bonds, total</b>	<b>2,305,234</b>	<b>467,802</b>	<b>10,000</b>	<b>245,394</b>	<b>2,765,738</b>
4½ per cent bonds of 1947-1952	762,948		1,628	67,228	762,320
4 per cent bonds of 1944-1954	1,047,088		4,686	171,480	1,042,402
3½ per cent bonds of 1946-1956	494,896		3,686	63,406	491,212
3½ per cent bonds of 1943-1947		467,802		3,261	467,002
<b>Treasury notes, total</b>	<b>1,612,404</b>	<b>1,589,456</b>	<b>1,115,804</b>	<b>438,617</b>	<b>2,028,256</b>
Series B-1926	414,922		414,617	29,756	306
Series A-1927	355,780			63,945	355,780
Series B-1927	668,201		661,446	151,334	6,756
Series A-1930-1932		1,360,456	39,542	193,582	1,320,915
Adjusted service series—					
Series A-1930	50,000				50,000
Series A-1931	53,500				53,500
Series B-1931	70,000				70,000
Series A-1932		123,400			123,400
Civil-service retirement fund—					
Series 1931		31,200			31,200
Series 1932		14,400			14,400
<b>Certificates of indebtedness, total</b>	<b>483,879</b>	<b>2,145,735</b>	<b>2,925,556</b>	<b>666,648</b>	<b>708,458</b>
Series T D-1926	452,879		452,796	57,515	84
Series T J-1927		378,670	377,390	195,870	1,279
Series T S-1927		229,270		69,738	229,270
Series T S-2-1927		169,888	19,270	102,061	150,618
Series T M-1928		314,408	8,200	144,670	306,208
Adjusted service series A-1927	30,400		30,400		
Adjusted service series A-1928		23,800	7,800		16,000
Civil-service retirement fund, series 1927		13,700	13,700		
Special		2,016,000	2,016,000		
<b>Total interest-bearing bonds, notes, and certificates of indebtedness</b>	<b>19,093,961</b>	<b>5,143,683</b>	<b>6,217,535</b>	<b>2,726,079</b>	<b>17,950,109</b>
<b>Treasury (war) savings securities</b>					
Series 1921, issue of Dec. 15, 1921	1,825	124	1,893	5	57
Series 1922, issue of Dec. 15, 1921	97,564	5,628	50,334	358	50,878
Series 1922, issue of Sept. 30, 1922	14,559	378	551	91	14,396
Series 1923, issue of Sept. 30, 1922	129,448	3,384	5,444	556	127,398
Series 1923, issue of Dec. 1, 1923	23,510	839	1,151	111	23,197
Series 1924, issue of Dec. 1, 1923	94,883	3,214	4,687	353	93,410
<b>Total Treasury (war) savings securities</b>	<b>359,810</b>	<b>13,566</b>	<b>64,060</b>	<b>1,475</b>	<b>308,316</b>
<b>Total interest-bearing debt</b>	<b>19,393,771</b>	<b>5,157,249</b>	<b>6,281,595</b>	<b>2,727,553</b>	<b>18,259,425</b>
Deduct debt which matured during the year still outstanding but bearing no interest					8,481
<b>Total interest-bearing debt, June 30, 1927</b>					<b>18,240,944</b>

**No. 208.—PUBLIC DEBT OF THE UNITED STATES: TRANSACTIONS FROM JULY 1, 1926, TO JUNE 30, 1927—Continued**

[All figures in thousands of dollars]

Title of issue	Outstand- ing June 30, 1926	Issued upon original subscrip- tion	Retired account of redemp- tion	Issued and retired account of conver- sion, ex- change, etc.	Outstand- ing, June 30, 1927
<b>MATURED DEBT ON WHICH INTEREST HAS CEASED</b>					
Total matured debt.....	13,328	( <sup>1</sup> )	7,101	.....	6,226
Add interest-bearing debt which matured during the year.....	.....	.....	.....	.....	8,481
Total matured debt June 30, 1927.....	.....	.....	.....	.....	14,707
<b>DEBT BEARING NO INTEREST</b>					
United States notes (less gold reserve).....	192,492	.....	<sup>2</sup> 1,232	.....	191,260
Old demand notes.....	53	.....	.....	.....	53
National and Federal reserve bank notes.....	47,838	<sup>3</sup> 27,828	28,061	.....	47,005
Fractional currency.....	1,994	.....	1	.....	1,993
Thrift and Treasury savings stamps (unclassi- fied sales, etc.).....	3,707	6	102	.....	3,611
Total debt bearing no interest.....	246,084	27,835	29,396	.....	244,593
Total gross debt.....	19,643,183	5,185,084	6,318,092	2,737,553	18,510,174

<sup>1</sup> Less than \$500 adjustment in sales reports subsequent to June 30, 1926.

<sup>2</sup> Represents amount of franchise tax receipts and net earning from Federal intermediate credit banks which were used to supplement the gold reserve.

<sup>3</sup> Represents deposits account of retirements. See statement of law, Table 207, p. 205.

**No. 209.—SUMMARY OF TRANSACTIONS IN INTEREST-BEARING AND  
MATURED DEBTS: APART FROM CONVERSIONS AND EXCHANGES, YEARS  
ENDED JUNE 30**

[All figures in thousands of dollars]

Item	1924	1925	1926	1927
<b>INTEREST-BEARING DEBT</b>				
Interest-bearing debt, unmatured, at beginning of year.....	22,007,591	20,981,586	20,207,038	19,383,771
Interest-bearing debt issued during the year.....	2,178,677	3,047,016	2,986,128	5,157,249
Total.....	24,186,268	24,028,603	23,193,165	24,541,020
Amount matured during year.....	1,727,386	2,307,041	3,358,459	1,916,622
Amount thereof retired during year.....	1,712,681	2,285,743	3,353,353	1,908,141
Amount outstanding matured at end of year.....	14,706	21,299	5,106	8,481
Amount not maturing during the year but retired during the year.....	1,477,296	1,510,655	450,936	4,373,454
Balance outstanding and bearing interest, end of year.....	20,981,586	<sup>1</sup> 20,210,906	19,383,771	18,250,944
<b>MATURED DEBT</b>				
Debt already matured at beginning of year.....	98,172	30,241	30,243	13,328
Amount thereof retired during the year.....	82,635	21,296	22,021	7,101
Still outstanding at end of year.....	<sup>1</sup> 15,536	<sup>1</sup> 8,944	8,222	6,226
Amount of interest-bearing debt maturing during the year but not retired during the year.....	14,706	21,299	5,106	8,481
Total matured debt end of year.....	30,241	30,243	13,328	14,707
<b>RECAPITULATION</b>				
Total matured and unmatured at beginning of year.....	22,105,763	21,011,828	20,237,281	19,397,099
Total issued during the year.....	2,178,677	3,047,016	2,986,128	5,157,249
Total retired during the year.....	3,272,611	3,817,694	3,826,310	6,288,696
Total matured and unmatured at end of year.....	21,011,828	20,241,149	19,397,099	18,265,651
Unmatured interest bearing.....	20,981,586	<sup>1</sup> 20,210,906	19,383,771	18,250,944
Matured.....	30,241	30,243	13,328	14,707

<sup>1</sup> Includes thrift and Treasury savings stamps, \$3,869,000, included in noninterest-bearing debt in 1926.

Source of Tables 208 and 209: Annual reports of the Secretary of the Treasury.



**No. 210.—PUBLIC DEBT OF UNITED STATES: BY MATURITIES**

[NOTE.—All figures in millions of dollars. Table indicates as to the interest-bearing debt outstanding at each specified date how much was maturing within the specified periods of time after that date]

Date	Total interest-bearing debt	Maturing within five years <sup>1</sup>				Maturing after five years
		Within one year	One year to two years	Two years to five years	Total within five years	
Aug. 31, 1919	26,349	4,201		5,045	9,246	17,103
Apr. 30, 1921	23,780	2,820	572	4,209	7,602	16,158
June 30, 1923	22,006	1,393	1,432	2,647	5,473	16,533
June 30, 1925	20,211	1,505	1,182	3,667	6,354	13,857
Dec. 31, 1925	19,982	1,368	1,135	3,080	5,583	13,940
June 30, 1926	19,384	1,464	500	2,780	4,944	14,440
Dec. 31, 1926	18,823	1,773	2,341	267	4,382	14,440
June 30, 1927	18,250	2,557	2,264	1,668	6,485	11,765
Dec. 31, 1927	17,686	3,546	94	2,252	5,892	11,794

<sup>1</sup> Exclusive of interest-bearing obligations redeemable at the pleasure of the Government but not maturing within the period covered.

**No. 211.—MONEY COST OF WORLD WAR TO UNITED STATES GOVERNMENT TO JUNE 30, 1927**

[NOTE. All figures in thousands of dollars. Data which are partly estimated, include expenditures during the war period taken as extending from Apr. 6, 1917, to June 30, 1921, and continuing costs, expenses of the Veterans' Bureau, interest on war debt, and construction of veterans' hospitals, to June 30, 1927. They make allowance for estimated normal expenditures under the War and Navy Departments, receipts on account of the sale of war supplies and surplus Government property, and assets held on June 30, 1921, except foreign obligations and amounts due from Germany account of army of occupation, which are taken as of June 30, 1927]

	Total war costs	Receipts	Assets June 30, 1921, (partly estimated)	Net war costs
<b>Total</b>	<b>47,967,978</b>	<b>3,684,413</b>	<b>9,153,333</b>	<b>55,119,682</b>
Military activities	16,283,509	981,574	452,402	14,840,594
Naval activities	3,480,782	24,439	55,000	3,401,343
War emergency corporations	4,387,000	487,729	892,460	3,007,411
War expenditures under other departments and war agencies	3,541,824	446,746	263,370	2,811,707
Interest on war debt to June 30, 1927	8,116,343			8,116,343
Foreign obligations (June 30, 1927)	9,598,237	1,743,930	7,470,000	384,306
Veterans' Bureau (continuing cost to June 30, 1927)	2,548,918			2,548,918

<sup>1</sup> Represents obligations acquired for cash advances under Liberty bond acts.

<sup>2</sup> Present value on the basis of 4 per cent per annum, payable semiannually (approximately the average rate of interest United States is paying on its public debt), of payments to be received on all accounts under funding agreements, including the debts of Austria and Greece on a similar basis.

**No. 212.—PAYMENTS AND LOANS OF UNITED STATES TO CARRIERS**

Section of transportation act of 1920, as amended, and character of transactions	To or as of—		
	Nov. 15, 1923	June 30, 1926	June 30, 1927
<b>Payments to carriers under section 204 for reimbursement of deficits on account of Federal control.</b>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Partial payments	2,207,651	2,207,651	2,207,651
Final payments	6,070,259	7,862,804	8,129,785
Deductions <sup>1</sup>	1,557,914	1,918,518	1,918,518
Total certified	8,777,911	10,170,465	10,337,436
<b>Payments to carriers under guaranty provided in section 209:</b>			
Advances	263,935,874	263,935,874	263,935,874
Partial payments	169,441,912	169,441,912	169,441,912
Final payments	68,192,545	99,339,913	99,945,781
Total	501,570,331	532,717,699	533,323,567
<b>Payments by carriers to United States under section 209 (d) on account of excess earnings</b>	233,790	446,638	
<b>Loans to carriers under section 210:</b>			
Total loans made to date	339,800,667	350,600,667	350,600,667
Total repayments to date	147,862,592	179,854,007	204,219,781
Account outstanding	191,938,075	170,746,660	146,380,885

<sup>1</sup> Amount due from the carriers to the President on account of traffic balances or other indebtedness and payable to the Director General of Railroads as his agent. This amount should be deducted from the total certified to arrive at the amount paid to the carriers direct.

Source of Tables 210, 211, and 212: Annual Report of the Secretary of the Treasury.

**No. 213.—OBLIGATIONS OF FOREIGN GOVERNMENTS TO THE UNITED STATES: PRINCIPAL AMOUNT OF OBLIGATIONS, PAYMENTS ON ACCOUNT OF PRINCIPAL, AND TOTAL INDEBTEDNESS, INCLUDING ACCRUED AND UNPAID INTEREST, AS OF NOVEMBER 15**

[NOTE.—All figures in thousands of dollars. Interest includes interest accrued and unpaid as of last period prior to or ending with Nov. 15]

Country	Indebtedness, Nov. 15, 1927									
	Amount of obligations originally received					Funded indebtedness		Accrued and unpaid interest (unfunded)	Total indebtedness	Total indebtedness Nov. 15, 1926
	Principal obligations received under liberty bond acts	Principal obligations received for surplus supplies	Principal obligations received for relief supplies	Payments on account of principal obligations so received	Net principal obligations held at date of funding or now held unfunded	Principal of bonds received or to be received, including accrued interest funded	Payments on account of principal			
<b>Total.....</b>	<b>9,566,237</b>	<b>599,154</b>	<b>140,935</b>	<b>291,693</b>	<b>10,046,700</b>	<b>11,614,864</b>	<b>116,409</b>	<b>129,655</b>	<b>11,871,349</b>	<b>11,799,879</b>
Armenia.....			11,960		11,960					16,657
Austria.....			24,056		124,056			10,109	34,159	32,716
Belgium.....				2,034	377,030	417,780	4,200		413,580	415,680
Cuba.....	249,214	29,673								
Czechoslovakia.....	10,000	20,604	9,301		91,890	185,071	6,000		179,071	112,000
Estonia.....	61,974	12,213	1,780		18,908	12,830			16,479	16,209
Finland.....			8,282		8,282	9,000	186		8,814	8,803
France.....	2,997,478	407,341		74,333	3,320,496	4,025,000			4,025,000	4,025,000
Great Britain.....	4,277,000			202,182	4,074,818	4,600,000	95,000		4,505,000	4,530,000
Greece.....	16,000				16,000			4,500	19,500	19,750
Hungary.....			1,686		1,686	1,983	30		1,953	1,963
Italy.....	1,048,034			364	1,047,670	2,042,000	10,000		2,032,000	2,037,000
Latvia.....		2,322	2,610		5,132	5,775		1,126	6,901	6,321
Lithuania.....	26			26	4,982					35
Nicaragua.....		4,159	822		291	4,255	92		6,163	6,106
Poland.....		432		141				8	299	27
Rumania.....		83,953	75,984		169,937	176,560		20,086	196,596	196,424
Russia.....	25,000	12,923		1,799	39,124	186,661	500		65,061	44,300
Yugoslavia.....	187,730	406	4,465		192,601			87,596	280,197	270,600
	26,780	24,978		721	51,088	62,850	400		63,450	62,850

<sup>1</sup> Time of payment of principal and interest extended to June 1, 1943, by authority of joint resolution of Congress approved Apr. 6, 1922.

<sup>2</sup> Includes deferred payments provided for in the funding agreements, for which gold bonds of the debtor governments have been or will be delivered to the Treasury.

<sup>3</sup> Credit of \$1,933,000 allowed by funding agreement on account of loss of cargo on ship sunk by mines.

<sup>4</sup> Accrued and unpaid interest on funded debts due to exercise of options to pay specified amounts over first five years in lieu of total amounts due for which bonds similar to those originally issued under funding agreement will be given upon expiration of the option for the full amount then due.

<sup>5</sup> Upon ratification of the funding agreement, \$10,030,000 of this sum will be applied toward payments of the first annuities due thereunder.

<sup>6</sup> Increase over amount funded due to exercise of options to pay one-half of interest due on original issue of bonds in bonds of debtor government.

Source: Annual Report of the Secretary of the Treasury.

**No. 214.—OBLIGATIONS OF FOREIGN GOVERNMENTS TO UNITED STATES:  
PAYMENTS ON ACCOUNT OF INTEREST**

[NOTE.—All figures in thousands of dollars. For payments on account of principal see Table 213]

Country	Interest payments Nov. 16, 1926, to Nov. 15, 1927, on—			Interest payments on all obligations to Nov. 15, 1927	Country	Interest payments Nov. 16, 1926, to Nov. 15, 1927, on—			Interest payments on all obligations to Nov. 15, 1927
	Total	Funded indebtedness	Obligations originally acquired			Total	Funded indebtedness	Obligations originally acquired	
<b>Total</b> .....	100,336	139,596	90,409	1,348,119	Hungary.....	59	59		163
Belgium.....	2,000	2,000		22,284	Italy.....				57,590
Cuba.....				2,287	Latvia.....	8	8		236
Czechoslovakia.....				304	Liberia.....	10		10	10
Estonia.....	125	125		178	Lithuania.....	94	94		324
Finland.....	265	265		1,513	Nicaragua.....	(?)		(?)	28
France.....	20,367		20,367	272,304	Poland.....	1,750	1,750		5,548
Great Britain.....	125,525	135,525		973,302	Rumania.....				263
Greece.....				1,159	Russia.....	32		32	7,084
					Yugoslavia.....				636

<sup>1</sup> Upon ratification of the debt agreement, \$50,765,000 of this sum will be applied toward payment of first annuities due thereunder.

<sup>2</sup> Less than \$500.

<sup>3</sup> Represents proceeds of liquidation of financial affairs of Russian Government in this country.

Source: Annual Report of the Secretary of the Treasury.

**No. 215.—OBLIGATIONS OF FOREIGN GOVERNMENTS TO UNITED STATES:  
ORIGINAL AND FUNDED DEBT, PRESENT VALUE<sup>1</sup> OF PAYMENTS TO BE RECEIVED AND AVERAGE INTEREST RATES ON DEBT AS FUNDED**

[NOTE.—The debts were all funded on the basis of fixed annual payments, including both principal and interest, extending over a period of 62 years from the date of funding]

[All figures in thousands of dollars]

Country	Original principal	Funded interest	Funded debt	Debt prior to funding including accrued interest (5 and 6 per cent)	Present value <sup>1</sup> of payments to be received over 62-year period on basis of interest rates stated			Approximate interest rates on debt as funded, per cent
					3 per cent	4½ per cent	5 per cent	
<b>Total</b> .....	9,811,064	1,711,960	11,522,954	12,036,376	9,175,655	6,863,285	5,875,638	.....
Belgium.....	377,030	40,750	417,780	483,426	302,239	225,000	191,766	1.790
Czechoslovakia.....	91,880	23,129	115,000	123,864	124,995	91,964	77,985	3.327
Estonia.....	12,060	1,764	13,820	14,143	14,798	11,392	9,915	3.308
Finland.....	8,282	718	9,000	9,190	9,630	7,413	6,452	3.303
France.....	3,340,516	684,464	4,025,000	4,230,777	2,734,250	1,996,509	1,681,369	1.640
Great Britain.....	4,074,816	525,182	4,600,000	4,715,310	4,922,702	3,788,470	3,206,948	3.306
Hungary.....	1,696	253	1,949	1,964	2,076	1,596	1,388	3.300
Italy.....	1,647,809	394,131	2,042,000	2,150,150	782,321	528,192	426,287	4.06
Latvia.....	5,133	643	5,775	5,893	6,181	4,755	4,137	3.308
Lithuania.....	4,962	1,048	6,010	6,216	6,452	4,967	4,322	3.306
Poland.....	159,667	18,893	178,560	182,324	191,263	146,825	127,643	3.306
Rumania.....	36,128	8,462	44,590	46,945	48,442	35,172	29,507	3.321
Yugoslavia.....	51,038	11,812	62,850	66,164	30,286	20,030	15,319	1.030

<sup>1</sup> Value at time of funding

<sup>2</sup> Difference between the amount shown here and in Table 213 is due to the inclusion in the latter of deferred payments provided for in funding agreements. See footnotes 2 and 6 to Table 213.

Source: Annual Report of the Secretary of the Treasury.

# No. 216.—SECURITIES OWNED BY THE UNITED STATES GOVERNMENT, JUNE 30, 1926 AND 1927

[NOTE.—This Statement is made up on the basis of the face value of the securities therein described as received by the United States, with due allowance for repayments. To the extent that the securities are not held in the custody of the Treasury, the statement is made up from reports received from other Government departments and establishments. The statement does not include securities which the United States holds as collateral, or as the result of the investment of trust funds; as for example, securities held for account of the Alien Property Custodian, the United States Government life insurance fund, and other similar trust funds. For details of foreign obligations, see Table 213]

[All figures in thousands of dollars]

	1926	1927
<b>Grand total</b> .....	<b>11, 037, 161</b>	<b>11, 288, 039</b>
Bonds of foreign governments received under agreements for funding of their debts to the United States.....	4, 725, 491	6, 818, 155
Obligations of foreign governments, under acts approved Apr. 24, 1917, and Sept. 24, 1917, as amended (on basis of cash advances, less repayments of principal) <sup>1</sup> .....	5, 242, 045	3, 561, 172
Foreign obligations received on account of sale of surplus war supplies <sup>1</sup> .....	510, 838	483, 439
Foreign obligations received from the American Relief Administration on account of relief, pursuant to act approved Feb. 25, 1919 <sup>1</sup> .....	23, 318	18, 922
Foreign obligations received from the United States Grain Corporation on account of final liquidation, given for relief pursuant to act approved Mar. 30, 1920 <sup>1</sup> .....	30, 860	30, 860
Capital stock of war emergency corporations:		
Capital stock of the Emergency Fleet Corporation.....	<sup>2</sup> 50, 000	<sup>2</sup> 50, 000
Less cash deposited with the Treasurer of the United States.....	45, 386	34, 831
Balance.....	6, 614	15, 169
Capital stock of the Hoboken Manufacturers Railroad Co.....	400	400
Capital stock of United States Housing Corporation, issued.....	<sup>3</sup> 70, 000	<sup>3</sup> 70, 000
Less amount retired plus cash deposits covered into Treasury under act approved July 11, 1919.....	33, 847	37, 353
Balance.....	36, 153	32, 642
Capital stock of United States Sugar Equalization Board (Inc.).....	<sup>4</sup> 5, 000	-----
Offset by cash deposited with the Treasurer of the United States.....	11, 380	-----
Capital stock of the United States Spruce Production Corporation.....	10, 000	100
Capital stock of the War Finance Corporation outstanding.....	<sup>5</sup> 1, 000	<sup>5</sup> 1, 000
Offset by cash deposited with the Treasurer of the United States.....	34, 091	61, 157
Obligations of carriers acquired under section 7 of the Federal control act approved Mar. 21, 1918, as amended <sup>4</sup> .....	25, 950	-----
Equipment trust 6 per cent gold notes acquired pursuant to Federal control act of Mar. 21, 1918, as amended, and act approved Nov. 19, 1919, for reimbursement for motive power, cars, and other equipment ordered for carriers <sup>4</sup> .....	302	269
Obligations of carriers acquired pursuant to section 207 of the transportation act, approved Feb. 28, 1920, as amended.....	102, 114	83, 834
Obligations of carriers acquired pursuant to section 210 of the transportation act approved Feb. 28, 1920, as amended.....	170, 746	146, 381
Capital stock of the Panama Railroad Co.....	7, 000	7, 000
Capital stock of the Inland Waterways Corporation (acquired pursuant to act approved June 3, 1924).....	1, 500	4, 000
Capital stock of Federal land banks, on basis of purchases, less repayments to date.....	1, 180	842
Capital stock of Federal intermediate credit banks, acquired pursuant to the "agricultural credits act of 1923," approved Mar. 4, 1923.....	24, 000	25, 000
Federal farm loan bonds, acquired pursuant to act approved Jan. 18, 1918:		
Federal farm loan 4½ per cent bonds.....	60, 495	-----
Securities received by Secretary of War on account of sales of surplus war supplies.....	3, 799	2, 861
Securities received by Secretary of Navy on account of sales of surplus property.....	8, 342	6, 389
Securities received by the U. S. Shipping Board on account of sales of ships, etc.....	46, 012	50, 003
<b>MEMORANDUM</b>		
Amount due the United States from the central branch of the Union Pacific Railroad on account of bonds issued (Pacific Railroad aid bonds, acts approved July 1, 1862, July 2, 1864, and May 7, 1878), total.....	3, 467	3, 456
Principal.....	1, 600	1, 600
Interest.....	1, 867	1, 856

<sup>1</sup> The figures do not include interest accrued and unpaid.

<sup>2</sup> Balance only, after deduction of cash deposited with the Treasurer of the United States, is included in total.

<sup>3</sup> Not included in total. Offset by deposits shown below.

<sup>4</sup> This amount does not include securities purchased by the Director General of Railroads under the provisions of section 12 of the Federal control act, approved Mar. 21, 1918.

<sup>5</sup> The notes are in series, which mature, respectively, on Jan. 15, in various years up to 1935.

Source: Annual Report of the Secretary of the Treasury.



## 10. STATE, MUNICIPAL, AND LOCAL GOVERNMENT FINANCES

### No. 217.—TAXES: TOTAL LEVIES OF AD VALOREM GENERAL PROPERTY TAXES OF STATES, COUNTIES, AND MINOR CIVIL DIVISIONS

[NOTE.—The data represent the total levies of general property taxes of States, counties, cities, villages, towns, townships, school districts, etc., and for all purposes. They do not cover special property taxes applying only to limited classes, nor taxes based on other standards than property, such as income, volume of business, inheritance, etc., which have been steadily growing in relative importance. The change in buying power of money affects materially the comparability of the figures. For data for 1870 and 1890, by States, see Table 437, Statistical Abstract of 1922.]

Division and State	Levies of general property taxes (thousands of dollars)					Amount per capita (dollars)				
	1880	1890	1902	1912	1922	1880	1890	1902	1912	1922
<b>Grand total.....</b>	<b>94,187</b>	<b>313,921</b>	<b>794,737</b>	<b>1,349,841</b>	<b>3,503,725</b>	<b>3.00</b>	<b>6.96</b>	<b>9.23</b>	<b>13.91</b>	<b>32.33</b>
<b>New England.....</b>	<b>13,545</b>	<b>43,493</b>	<b>107,856</b>	<b>197,932</b>	<b>270,316</b>	<b>4.33</b>	<b>10.80</b>	<b>13.39</b>	<b>19.53</b>	<b>35.59</b>
Maine.....	2,257	5,182	6,856	8,967	22,295	3.59	7.99	9.78	11.86	28.83
New Hampshire.....	1,262	3,179	4,166	6,978	15,029	3.67	9.16	9.95	15.98	33.71
Vermont.....	908	1,745	1,911	4,020	9,188	2.86	5.25	5.52	11.17	20.07
Massachusetts.....	7,437	24,327	49,219	82,566	156,285	6.04	13.64	17.06	23.27	39.33
Rhode Island.....	686	2,093	6,133	8,192	19,925	3.93	9.74	13.65	14.13	32.12
Connecticut.....	1,015	5,366	8,021	16,489	47,794	2.21	8.62	8.53	13.95	33.30
<b>Middle Atlantic.....</b>	<b>95,551</b>	<b>94,130</b>	<b>211,996</b>	<b>364,966</b>	<b>640,098</b>	<b>3.43</b>	<b>8.97</b>	<b>13.17</b>	<b>17.71</b>	<b>36.86</b>
New York.....	15,363	56,303	132,711	221,467	454,876	3.96	11.09	17.49	22.80	42.72
New Jersey.....	1,458	8,958	20,956	40,424	145,355	2.17	7.92	10.54	17.98	44.27
Pennsylvania.....	8,730	28,779	58,269	93,376	239,795	3.00	6.72	8.95	11.52	26.70
<b>East North Central.....</b>	<b>23,541</b>	<b>78,602</b>	<b>173,421</b>	<b>292,021</b>	<b>646,632</b>	<b>3.40</b>	<b>7.00</b>	<b>10.47</b>	<b>15.39</b>	<b>39.37</b>
Ohio.....	9,611	25,757	47,460	76,697	224,423	4.11	8.06	11.15	15.45	37.63
Indiana.....	3,701	11,943	27,968	45,644	117,138	2.74	6.04	10.84	16.53	39.26
Illinois.....	6,122	24,586	53,013	84,834	250,390	3.58	7.99	10.56	14.37	37.60
Michigan.....	1,767	8,628	23,477	47,998	168,767	2.36	5.27	9.48	16.34	43.90
Wisconsin.....	2,330	7,585	20,503	36,848	108,944	3.00	5.77	9.61	15.23	40.45
<b>West North Central.....</b>	<b>7,443</b>	<b>35,490</b>	<b>95,610</b>	<b>180,440</b>	<b>490,999</b>	<b>3.43</b>	<b>5.78</b>	<b>9.00</b>	<b>15.06</b>	<b>38.59</b>
Minnesota.....	666	4,346	17,761	36,106	107,325	3.87	5.57	9.65	17.47	43.78
Iowa.....	2,378	11,082	22,603	36,570	105,842	3.52	6.81	10.17	16.45	43.36
Missouri.....	4,110	11,832	21,785	35,491	91,445	3.48	5.46	8.83	10.58	26.64
North Dakota.....		1,478	4,186	11,875	31,167		3.54	11.44	17.97	47.13
South Dakota.....			4,329	10,720	32,483			10.69	16.67	50.18
Nebraska.....	92	2,792	9,490	19,781	53,236	3.19	6.17	8.80	16.04	40.26
Kansas.....	196	4,980	14,847	27,895	69,331	1.83	5.00	10.14	16.56	38.83
<b>South Atlantic.....</b>	<b>9,560</b>	<b>21,553</b>	<b>46,385</b>	<b>91,136</b>	<b>355,316</b>	<b>1.79</b>	<b>2.84</b>	<b>4.31</b>	<b>7.15</b>	<b>17.73</b>
Delaware.....	206	504	1,317	1,791	4,841	1.83	4.12	7.00	8.61	21.20
Maryland.....	2,159	5,437	10,698	10,360	40,026	3.14	5.82	8.79	12.30	26.95
District of Columbia.....	200	1,469	3,351	5,399	12,366	3.47	8.27	11.62	15.51	28.26
Virginia.....	3,673	4,694	6,896	13,822	33,878	2.30	3.10	3.64	6.49	14.82
West Virginia.....		1,994	5,507	10,026	38,435		3.22	5.82	7.67	25.30
North Carolina.....	1,045	1,916	3,973	9,989	37,017	1.65	1.37	2.04	4.33	13.98
South Carolina.....	1,280	1,840	3,736	6,899	20,886	1.82	1.85	2.73	4.39	12.09
Georgia.....	798	3,014	8,204	18,414	35,673	.76	1.95	3.58	6.73	12.01
Florida.....	159	585	2,681	8,436	32,194	1.13	2.17	4.79	10.22	31.44
<b>East South Central.....</b>	<b>5,057</b>	<b>11,990</b>	<b>27,167</b>	<b>51,663</b>	<b>125,781</b>	<b>1.96</b>	<b>3.15</b>	<b>3.50</b>	<b>5.96</b>	<b>12.96</b>
Kentucky.....	2,148	5,201	10,463	17,660	37,222	1.86	3.15	4.74	7.56	15.28
Tennessee.....	1,103	2,516	7,626	14,112	35,127	.99	1.63	3.68	6.31	14.83
Alabama.....	851	2,062	4,869	9,971	22,684	.88	1.63	2.59	4.45	9.46
Mississippi.....	955	2,217	4,180	9,911	30,648	1.21	1.96	2.61	5.28	17.12
<b>West South Central.....</b>	<b>8,129</b>	<b>10,794</b>	<b>28,965</b>	<b>77,723</b>	<b>222,351</b>	<b>3.51</b>	<b>3.94</b>	<b>4.36</b>	<b>6.17</b>	<b>21.06</b>
Arkansas.....	635	1,839	4,446	10,621	17,476	1.46	2.29	3.30	6.40	9.77
Louisiana.....	4,961	4,386	8,478	14,432	41,562	7.01	4.67	5.91	8.27	22.65
Oklahoma.....			3,377	19,705	54,079			13.77	10.16	25.69
Texas.....	533	4,569	13,684	32,965	109,234	.88	2.87		7.90	22.00
<b>Mountain.....</b>	<b>95</b>	<b>4,717</b>	<b>24,312</b>	<b>54,327</b>	<b>144,406</b>	<b>.54</b>	<b>7.23</b>	<b>13.76</b>	<b>19.46</b>	<b>41.98</b>
Montana.....		384	4,092	11,345	26,008		9.80	15.53	26.83	43.94
Idaho.....		187	1,895	6,952	18,560		5.73	11.11	18.35	40.68
Wyoming.....		230	1,074	2,610	8,365		11.07	11.16	15.98	40.68
Colorado.....		2,152	10,741	16,931	44,588		11.07	19.34	19.17	45.75
New Mexico.....	30	164	1,410	3,426	8,805	.82	1.37	7.15	9.26	23.89
Arizona.....		293	1,635	4,358	15,352		7.25	12.59	18.88	42.54
Utah.....	65	435	2,848	6,529	17,711	1.61	3.02	9.81	16.13	37.82
Nevada.....		872	617	2,276	5,068		14.00	14.57	24.02	65.47
<b>Pacific.....</b>	<b>3,237</b>	<b>14,947</b>	<b>41,235</b>	<b>111,033</b>	<b>294,766</b>	<b>7.29</b>	<b>12.78</b>	<b>16.49</b>	<b>23.26</b>	<b>48.61</b>
Washington.....	57	505	9,003	31,205	66,283	8.94	6.73	16.43	23.21	47.13
Oregon.....	199	1,114	4,920	17,139	40,080	3.79	6.37	11.43		49.55
California.....	2,981	12,628	27,312	62,689	178,383	7.85	14.60	17.81	23.50	48.97

<sup>1</sup> Dakota Territory.

<sup>2</sup> Oklahoma and Indian Territory combined.

Source: Bureau of the Census, Department of Commerce.

### No. 218.—ASSESSED VALUATION OF PROPERTY SUBJECT TO GENERAL PROPERTY TAX, 1926

[NOTE.—All figures in millions of dollars. Data shown are taxable values of property subject to the general property tax for the use of State governments. Property belonging to railroads, telegraph companies, and a number of similar corporations classified in some States as either real or personal, in a number of States is given a separate classification. In the latter case figures for such corporations and also other property and franchise valuations of corporations for which data were insufficient for a complete classification are not shown separately but are included in the totals]

Division and State	Total <sup>1</sup>	Real property	Personal property	Division and State	Total <sup>1</sup>	Real property	Personal property
<b>Grand total</b> .....	<b>142,002</b>	<b>108,318</b>	<b>33,684</b>	<b>South Atlantic—Contd</b>			
<b>New England</b> .....	<b>12,251</b>	<b>9,957</b>	<b>2,294</b>	Virginia.....	2,183	1,287	895
Maine.....	701	531	149	West Virginia.....	2,135	1,249	411
New Hampshire.....	673	527	94	North Carolina <sup>2</sup> .....	2,799	2,799	(1)
Vermont.....	317	212	58	South Carolina.....	425	224	201
Massachusetts.....	6,905	5,640	1,065	Georgia.....	1,263	737	330
Rhode Island.....	1,237	791	446	Florida.....	621	476	84
Connecticut.....	2,418	2,036	382	<b>East South Central</b> .....	<b>6,449</b>	<b>4,164</b>	<b>1,908</b>
<b>Middle Atlantic</b> .....	<b>35,786</b>	<b>31,596</b>	<b>3,739</b>	Kentucky.....	2,933	1,500	1,433
New York.....	39,019	18,751	268	Tennessee.....	1,693	1,258	164
New Jersey.....	5,772	4,490	824	Alabama.....	1,072	925	145
Pennsylvania <sup>3</sup> .....	10,995	8,355	2,640	Mississippi.....	751	481	163
<b>East North Central</b> .....	<b>35,394</b>	<b>25,513</b>	<b>8,894</b>	<b>West South Central</b> .....	<b>7,678</b>	<b>5,369</b>	<b>2,011</b>
Ohio.....	12,680	8,523	4,156	Arkansas.....	605	414	191
Indiana.....	5,310	3,952	1,358	Louisiana.....	1,718	1,203	515
Illinois.....	4,195	2,980	862	Oklahoma.....	1,675	1,082	291
Michigan.....	7,342	5,579	1,376	Texas.....	3,674	2,660	1,014
Wisconsin.....	3,867	4,479	872	<b>Mountain</b> .....	<b>4,741</b>	<b>3,139</b>	<b>787</b>
<b>West North Central</b> .....	<b>18,410</b>	<b>12,872</b>	<b>4,710</b>	Montana.....	430	258	79
Minnesota.....	2,366	1,718	648	Idaho.....	478	343	24
Iowa.....	1,575	815	670	Wyoming.....	458	266	93
Missouri.....	4,847	3,422	949	Colorado.....	1,547	1,046	275
North Dakota.....	998	722	276	New Mexico.....	313	143	67
South Dakota.....	1,876	1,482	287	Arizona.....	643	559	82
Nebraska.....	3,311	2,357	619	Utah.....	899	375	122
Kansas.....	3,637	2,336	1,291	Nevada.....	203	158	45
<b>South Atlantic</b> .....	<b>11,668</b>	<b>8,614</b>	<b>3,590</b>	<b>Pacific</b> .....	<b>9,323</b>	<b>7,103</b>	<b>2,065</b>
Delaware.....	252	252	(1)	Washington.....	1,206	970	234
Maryland.....	2,180	1,590	590	Oregon.....	1,094	790	139
				California <sup>3</sup> .....	7,031	5,343	1,698

<sup>1</sup> See headnote.

<sup>2</sup> No general property tax levied for State purposes in Pennsylvania, North Carolina, and California, but assessed valuation of property in these States is included in totals.

<sup>3</sup> Valuation of personal property included with that of real property.

Source: Bureau of the Census, Department of Commerce.

### No. 219. PUBLIC DEBT: GROSS DEBT LESS SINKING FUND ASSETS OF ALL CLASSES OF GOVERNMENT ORGANIZATIONS IN THE UNITED STATES

Government organization	1880	1890	1907	1917	1922
<b>Total (thousands of dollars)</b> .....	<b>5,042,805</b>	<b>1,969,113</b>	<b>2,838,896</b>	<b>4,850,480</b>	<b>30,843,636</b>
National <sup>1</sup> .....	1,919,327	851,913	969,457	1,028,564	22,155,444
States.....	274,746	211,210	239,369	345,942	935,544
Counties.....	124,105	145,048	196,565	371,528	1,272,790
Incorporated places and all other civil divisions.....	724,428	780,942	1,433,505	3,104,426	6,481,406
<b>Per capita (dollars).<sup>2</sup></b>					
National <sup>1</sup> .....	38.27	13.60	12.22	10.59	203.78
States.....	5.48	3.37	3.03	3.57	8.64
Counties.....	2.47	2.51	2.80	4.33	13.19

<sup>1</sup> Revised figure.

<sup>2</sup> Gross debt less cash in the Treasury as of June 30, 1880, 1891, 1903, 1913, and 1923.

<sup>3</sup> Not computed for incorporated places and all other civil divisions.

Source of Tables 218 and 219: Bureau of the Census, Department of Commerce.



**No. 220.—REVENUES AND EXPENDITURES OF STATE GOVERNMENTS**

[NOTE.—Both receipts and expenditures are net figures, excluding temporary and special transactions which represent virtually duplication. Revenue receipts do not include any receipts from borrowing of money. Outlays, which enter into the total for governmental cost payments, represent capital investments, including those made with the proceeds of borrowed money. The excess of governmental cost payments over revenue receipts represents, approximately, increase of indebtedness]

	1924			1925			1926		
	Amount (thou- sands of dollars)	Per capita (dol- lars)	Per cent of total	Amount (thou- sands of dollars)	Per capita (dol- lars)	Per cent of total	Amount (thou- sands of dollars)	Per capita (dol- lars)	Per cent of total
<b>Revenue receipts, total.</b>	<b>1, 370, 086</b>	<b>12. 31</b>	<b>100. 0</b>	<b>1, 485, 942</b>	<b>13. 19</b>	<b>100. 0</b>	<b>1, 655, 495</b>	<b>14. 29</b>	<b>100. 0</b>
General property taxes.....	351, 604	3. 16	25. 7	358, 602	3. 18	24. 1	375, 674	3. 24	22. 7
Special property and other special taxes, total.....	226, 771	2. 04	16. 6	235, 864	2. 09	15. 9	268, 323	2. 32	16. 2
Inheritance taxes.....	79, 308	. 71	5. 8	85, 894	. 76	5. 8	90, 632	. 78	5. 5
Income taxes.....	28, 774	. 26	2. 1	27, 535	. 24	1. 9	38, 628	. 33	2. 3
Bank and other corpora- tion stock taxes.....	71, 083	. 64	5. 2	68, 807	. 61	4. 6	65, 683	. 57	4. 0
All other.....	47, 606	. 43	3. 5	53, 628	. 48	3. 6	73, 380	. 63	4. 4
Poll taxes.....	3, 622	. 03	. 3	3, 930	. 03	. 3	3, 659	. 03	. 2
Licenses.....	435, 463	3. 91	31. 8	508, 974	4. 52	34. 3	616, 629	5. 32	37. 2
Special assessments.....	23, 866	. 21	1. 7	31, 176	. 28	2. 1	28, 107	. 24	1. 7
Fines, forfeits, and escheats.....	8, 044	. 07	. 6	7, 314	. 06	. 5	7, 507	. 06	. 5
Subventions, donations, and pension assessments.....	133, 595	1. 20	9. 8	143, 491	1. 27	9. 7	139, 148	1. 20	8. 4
Interest, rents, and highway privileges.....	61, 478	. 55	4. 5	67, 063	. 60	4. 5	76, 265	. 66	4. 6
Earnings of general depart- ments.....	113, 046	1. 02	8. 3	118, 732	1. 05	8. 0	129, 289	1. 12	7. 8
Earnings of public-service enterprises.....	12, 577	. 11	. 9	10, 096	. 09	. 7	10, 894	. 09	. 7
<b>Governmental-cost payments, total.</b>	<b>1, 513, 623</b>	<b>(1)</b>	<b>100. 0</b>	<b>1, 614, 562</b>	<b>14. 34</b>	<b>100. 0</b>	<b>1, 614, 538</b>	<b>13. 94</b>	<b>100. 0</b>
<b>Current expenses (except interest), total.</b>	<b>1, 012, 504</b>	<b>9. 10</b>	<b>66. 9</b>	<b>1, 043, 876</b>	<b>9. 27</b>	<b>64. 6</b>	<b>1, 049, 311</b>	<b>9. 06</b>	<b>65. 0</b>
General departments, total.....	1, 001, 465	9. 00	66. 2	1, 035, 478	9. 19	64. 1	1, 040, 235	8. 98	64. 4
General government.....	74, 583	. 67	4. 9	85, 569	. 76	5. 3	86, 871	. 75	5. 4
Protection to person and property.....	50, 998	. 46	3. 4	55, 834	. 49	3. 5	59, 747	. 52	3. 7
Development and conservation of natural resources.....	53, 189	. 48	3. 5	56, 386	. 50	3. 5	62, 696	. 54	3. 9
Health and sanita- tion.....	23, 057	. 21	1. 5	24, 838	. 22	1. 5	25, 549	. 22	1. 6
Highways.....	123, 308	1. 11	8. 1	144, 280	1. 28	8. 9	156, 639	1. 35	9. 7
Charities, hospitals, and corrections.....	165, 216	1. 49	10. 9	168, 755	1. 50	10. 5	178, 580	1. 54	11. 1
Education.....	370, 795	3. 34	24. 5	397, 700	3. 53	24. 6	415, 282	3. 59	25. 7
Recreation.....	2, 517	. 02	. 2	2, 746	. 02	. 2	3, 542	. 03	. 2
Miscellaneous.....	137, 802	1. 24	9. 1	99, 370	. 88	6. 2	51, 329	. 44	3. 2
Public-service enterprises.....	11, 039	. 10	. 7	8, 398	. 07	. 5	9, 076	. 08	. 6
Interest.....	55, 848	. 50	3. 7	67, 662	. 60	4. 2	76, 869	. 66	4. 8
<b>Outlays, total.</b>	<b>445, 276</b>	<b>(1)</b>	<b>29. 4</b>	<b>503, 024</b>	<b>4. 47</b>	<b>31. 2</b>	<b>488, 358</b>	<b>4. 22</b>	<b>30. 2</b>
Highway construction.....	356, 312	(1)	23. 5	418, 760	3. 72	25. 9	398, 925	3. 44	24. 7
All other.....	88, 964	(1)	5. 9	84, 264	. 75	5. 2	89, 433	. 77	5. 4

<sup>1</sup> Not computed.

**No. 221.—STATE REVENUES AND EXPENDITURES PER CAPITA**

Year	Per capita revenue receipts			Per capita governmental cost payments for expenses and in- terest (excluding outlays)		
	Total	From taxes	From all other revenue	Total	For expenses	For interest
1915.....	\$4. 66	\$3. 71	\$0. 94	\$4. 06	\$3. 87	\$0. 19
1917.....	5. 14	4. 02	1. 11	4. 42	4. 21	. 21
1918.....	5. 69	4. 45	1. 23	4. 83	4. 60	. 23
1919.....	6. 43	5. 02	1. 40	5. 42	5. 18	. 23
1922.....	10. 71	7. 93	2. 79	8. 89	8. 50	. 38
1923.....	11. 38	8. 37	3. 01	8. 73	8. 26	. 46
1924.....	12. 31	9. 14	3. 16	9. 60	9. 10	. 50
1925.....	13. 19	9. 82	3. 35	9. 87	9. 27	. 60
1926.....	14. 29	10. 91	3. 37	9. 72	9. 06	. 66

Source of Tables 220 and 221: Bureau of the Census, Department of Commerce.

## No. 222.—STATE FINANCES: REVENUES AND EXPENDITURES OF STATE GOVERNMENTS, 1926

(NOTE.—All figures except per capita in thousands of dollars. See headnote, Table 220)

Division and State	Revenue receipts				Current expenses and interest				Outlays for permanent improvements
	Total		General and special property taxes	All other revenues	Total		Current expenses, except interest	Interest	
	Amount	Per capita			Amount	Per capita			
Grand total	1,885,495	\$14.39	470,938	1,184,557	1,126,180	\$9.72	1,049,311	76,869	465,358
New England	128,278	15.38	58,342	64,936	89,388	11.08	86,800	3,788	54,062
Maine	15,098	19.16	5,833	9,265	11,201	14.21	10,466	735	3,851
New Hampshire	7,200	15.89	2,749	4,451	3,719	12.63	3,622	97	1,760
Vermont	6,385	18.12	2,268	4,117	4,734	13.43	4,643	91	1,302
Massachusetts	55,296	13.19	18,054	37,242	41,166	9.82	39,464	1,692	8,291
Rhode Island	9,699	14.02	3,934	5,765	7,084	10.24	6,568	516	3,424
Connecticut	29,000	18.63	5,514	24,066	19,494	12.27	18,837	657	7,254
Middle Atlantic	387,391	15.87	111,825	275,566	279,117	11.15	263,063	19,084	109,789
New York	193,940	17.27	42,831	151,119	148,207	13.19	134,937	13,270	37,395
New Jersey	68,613	18.85	35,500	33,115	46,031	12.65	43,277	2,754	27,536
Pennsylvania	124,836	13.10	33,504	91,332	77,879	8.17	74,839	3,040	44,858
East North Central	286,967	11.95	97,731	189,236	192,142	8.00	180,068	12,076	60,988
Ohio	51,146	7.63	7,814	43,332	39,739	6.08	38,563	1,166	12,194
Indiana	42,294	13.57	14,770	27,524	24,893	7.99	24,748	145	11,189
Illinois	75,224	10.52	31,633	43,591	48,667	6.84	43,199	5,468	27,357
Michigan	77,989	17.97	35,250	42,739	50,258	11.58	45,312	4,946	21,075
Wisconsin	40,314	14.07	8,264	32,050	28,385	9.91	28,254	131	9,173
West North Central	306,735	16.05	55,535	154,199	138,603	10.40	124,424	14,169	68,608
Minnesota	67,249	21.76	12,262	44,987	36,649	13.93	32,464	4,185	13,065
Iowa	34,774	14.26	11,333	23,441	23,710	9.28	21,859	851	11,135
Missouri	42,095	12.03	6,741	35,354	27,148	7.76	24,142	3,006	24,701
North Dakota	18,491	28.84	4,537	13,954	14,839	23.14	13,385	1,454	7,807
South Dakota	17,474	25.51	4,625	12,849	13,425	19.60	10,009	3,416	5,364
Nebraska	17,362	12.60	7,118	10,244	9,696	7.04	9,696		6,746
Kansas	22,268	12.27	8,719	13,569	14,135	7.78	12,879	1,256	3,790
South Atlantic	199,522	12.77	39,556	153,786	128,145	8.38	113,636	12,509	74,607
Delaware	7,860	32.97	2,196	5,662	4,773	19.96	4,371	400	2,670
Maryland	23,218	14.74	6,186	17,032	18,573	11.79	17,130	1,443	4,311
Virginia	33,764	13.49	7,773	25,991	22,257	8.89	21,474	783	9,959
West Virginia	19,449	11.76	3,958	15,491	14,275	8.63	13,994	2,281	11,768
North Carolina	36,475	12.87	821	35,654	21,524	7.59	16,310	5,214	24,280
South Carolina	17,121	9.38	3,456	13,663	13,125	7.19	12,752	373	4,596
Georgia	25,727	8.20	6,758	18,969	20,834	6.84	19,454	1,380	7,750
Florida	28,684	22.24	7,404	21,284	10,786	8.36	10,151	635	9,284
East South Central	90,406	9.74	28,526	61,882	61,911	6.59	57,518	3,693	33,641
Kentucky	28,268	11.24	10,265	18,003	17,723	7.04	16,886	837	10,004
Tennessee	25,116	10.22	4,621	20,495	15,066	6.14	14,309	777	10,252
Alabama	19,948	7.92	7,655	12,293	15,568	6.18	14,303	1,265	10,488
Mississippi	17,076	9.54	5,985	11,091	12,634	7.17	12,020	614	2,997
West South Central	150,090	13.15	49,823	101,787	86,706	8.65	87,498	1,208	43,456
Arkansas	20,191	10.68	5,542	14,649	12,084	6.39	11,900	124	7,343
Louisiana	26,764	13.96	10,042	16,722	17,969	9.36	17,239	730	8,523
Oklahoma	30,920	13.34	4,489	26,440	15,737	6.79	15,588	139	14,163
Texas	72,106	13.66	28,150	43,956	52,916	10.02	52,701	215	13,527
Mountain	69,477	17.80	24,859	44,618	45,476	11.65	43,059	2,417	19,308
Montana	8,419	12.31	1,993	6,426	5,793	8.47	5,272	521	1,542
Idaho	7,918	15.26	2,443	5,475	4,722	9.10	4,394	328	2,785
Wyoming	8,550	30.54	1,810	6,740	4,382	18.73	4,196	184	2,279
Colorado	15,296	14.47	5,843	9,453	10,784	10.20	10,206	578	5,048
New Mexico	6,717	17.40	1,609	5,108	4,180	10.83	4,040	140	2,741
Arizona	7,714	17.69	4,837	2,877	5,022	12.90	5,502	120	2,228
Utah	11,056	21.72	5,024	6,032	7,886	15.49	7,431	455	1,775
Nevada	3,807	49.19	1,800	2,007	4,107	25.22	2,016	91	1,810
Pacific	145,699	21.93	27,341	118,658	102,393	15.39	94,447	7,946	35,979
Washington	31,014	20.26	12,317	18,697	21,154	13.82	20,515	639	11,493
Oregon	22,837	25.24	5,468	17,369	13,487	15.43	10,713	2,774	8,369
California	91,948	21.65	9,556	82,392	67,752	15.95	63,219	4,533	16,114

Source: Bureau of the Census, Department of Commerce.

# No. 223.—DEBT OF STATE GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS

[NOTE.—For details of public debt in 1926, see Table 224]

Division and State	Total (thousands of dollars)						Per capita (dollars)			
	1880	1890	1902	1912	1923	1926	1880	1890	1912	1926
<b>Grand total</b> .....	274,748	311,910	334,908	345,943	365,544	1,479,981	5.48	2.90	3.37	12.77
<b>New England</b> .....	34,746	30,435	74,961	85,670	110,458	101,180	9.16	13.08	12.98	12.34
Maine.....	5,512	3,642	2,785	1,255	12,906	17,757	8.49	3.97	1.67	22.54
New Hampshire.....	3,630	2,691	1,551	1,956	3,018	1,830	10.46	3.71	4.50	4.04
Vermont.....	151	149	363	570	2,112	1,754	45	1.05	1.58	4.98
Massachusetts.....	20,785	9,812	65,964	79,551	76,996	65,144	11.66	22.67	22.78	15.54
Rhode Island.....	1,701	380	2,620	5,127	9,338	11,060	6.15	5.83	9.02	15.96
Connecticut.....	4,967	3,761	1,678	7,111	6,068	5,605	7.96	1.75	6.12	2.27
<b>Middle Atlantic</b> .....	22,131	6,964	9,578	86,647	232,965	364,808	9.11	58	4.29	14.94
New York.....	7,659	1,800	6,187	86,205	186,542	222,575	1.51	1.08	9.05	19.81
New Jersey.....	649	947	(1)	642	16,355	57,375	.57		.24	15.76
Pennsylvania.....	13,823	4,207	389	(2)	49,968	84,656	3.24	06		8.88
<b>East North Central</b> .....	22,180	34,980	18,598	18,106	99,448	345,199		1.13	.96	10.21
Ohio.....	10,023	6,998	4,685	5,142	30,143	22,791	3.13	1.10	1.05	3.49
Indiana.....	4,906	8,567	2,914	1,350	2,325	2,320	2.53	1.13	.49	.74
Illinois.....	1,446	1,811	2,155	2,273	13,880	140,348	.47	.43	.39	19.63
Michigan.....	3,263	5,308	6,566	7,089	50,934	77,976	1.99	2.65	2.41	17.97
Wisconsin.....	2,462	2,276	2,278	2,251	2,164	1,764	1.87	1.07	.93	.62
<b>West North Central</b> .....	34,806	17,393	10,333	9,180	74,681	163,368	4.37	.97	.68	11.73
Minnesota.....	5,417	2,426	1,755	1,345	20,308	14,169	6.94	.95	.63	
Iowa.....	546	245	50	357	1,457	19,664	.34	.02	.16	8.12
Missouri.....	19,309	11,760	4,366	4,671	30,456	98,167	9.00	1.37	1.40	19.49
North Dakota.....		715	968	820	3,913	4,263		2.64	1.29	6.65
South Dakota.....		872	457	370	15,431	20,597		1.08	.58	20.07
Nebraska.....	440	254	2,005	374	1,038	267	.97	1.68	.31	.28
Kansas.....	994	1,120	632	243	78	26,121	1.00	.43	.14	14.38
<b>South Atlantic</b> .....	73,906	70,916	51,646	61,648	122,630	266,642	10.38	4.96	4.07	19.06
Delaware.....	905	866	762	763	3,834	5,206	6.18	4.05	3.70	34.33
Maryland.....	11,119	7,551	4,943	7,334	22,129	22,667	11.89	4.06	5.56	14.40
Virginia <sup>1</sup> .....	32,764	34,966	23,546	22,043	21,756	25,730	21.66	12.76	10.46	10.28
West Virginia <sup>2</sup> .....	128	184			24,181	47,725	.21			28.85
North Carolina.....	15,422	7,709	6,755	8,059	34,713	151,350	11.02	3.47	3.54	33.39
South Carolina.....	7,478	7,318	6,730	6,190	8,729	10,007	7.51	4.88	3.96	5.48
Georgia.....	9,918	10,450	7,876	6,934	5,419	9,432	6.43	3.44	2.57	3.00
Florida.....	1,174	1,132	1,033	619	869	11,506	4.36	1.84	.77	8.92
<b>East South Central</b> .....	47,501	37,490	31,860	33,848	56,964	79,487	8.62	4.69	3.69	6.56
Kentucky.....	1,094	1,671	2,291	4,441	7,745	9,226	.66	1.04	1.90	3.67
Tennessee.....	30,901	19,696	17,965	11,612	19,142	18,462	19.97	6.68	5.32	7.51
Alabama.....	12,371	12,434	12,727	13,132	15,233	35,136	9.80	6.73	5.95	13.95
Mississippi.....	3,324	3,685	2,877	4,461	14,864	16,633	2.94	1.79	2.41	9.29
<b>West South Central</b> .....	35,877	25,689	19,287	26,368	28,493	37,673	10.76	9.60	3.77	
Arkansas.....	6,789	5,443	1,191	1,236	2,722	5,680	8.46	.48	.76	3.00
Louisiana.....	23,438	16,006	13,593	13,546	14,829	16,629	24.94	9.48	7.90	8.67
Oklahoma.....			510	6,931	4,797	5,229		1.10	3.74	2.26
Texas.....	5,650	4,238	3,693	4,656	6,146	10,035	3.53	1.24	1.14	1.90
<b>Mountain</b> .....	701	4,976	11,339	13,273	50,548	66,797	1.07	6.41	4.51	11.99
Montana.....	70	175	1,204	1,513	7,579	8,153	1.79	4.57	3.73	11.92
Idaho.....	83	219	324	2,143	7,673	6,505	2.54	1.84	5.92	16.39
Wyoming.....	17	320	301	122	4,011	2,942	.82	3.12	.77	12.57
Colorado.....	147	1,647	3,797	3,174	12,019	13,565	.75	6.72	2.70	12.83
New Mexico.....		870	999	1,218	4,954	4,224		4.94	3.61	10.94
Arizona.....		757	3,069	3,065	2,740	2,179		23.86	13.28	3.00
Utah.....	9	450	974	1,430	9,819	7,395	.06	3.36	3.62	14.53
Nevada.....	375	537	624	608	1,751	1,834	6.03	14.70	6.70	23.69
<b>Pacific</b> .....	3,645	3,697	4,463	11,510	138,441	165,186	3.27	1.77	2.48	94.63
Washington.....		573	1,272	1,556	13,191	12,198		2.31	1.21	7.97
Oregon.....	512	2	236	31	39,963	38,485	2.43	.54	.04	44.03
California.....	3,133	2,522	2,955	10,223	85,267	114,506	3.62	1.92	3.83	26.96

<sup>1</sup> Revised figure \$230,369,000, not distributed by States.<sup>2</sup> Sinking-fund assets exceed total debt.<sup>3</sup> Virginia-West Virginia debt settlement not made until 1910.

Source: Bureau of the Census, Department of Commerce.

## No. 224.—DEBT OF STATE GOVERNMENTS: By Classes, 1926

[NOTE.—All figures, except per capita, in thousands of dollars. See headnote, Table 226]

Division and State	Gross debt (excluding private trust funds)					Sinking fund assets <sup>1</sup>	Debt less sinking fund assets			
	Total	Funded and floating			Current <sup>2</sup>		Total		Total funded and floating	
		Total	Funded	Floating <sup>3</sup>			Amount	Per capita	Amount <sup>4</sup>	Per capita
Grand total	1,836,037	1,662,642	1,608,766	53,777	195,485	378,068	1,479,981	\$12.77	1,327,514	\$11.46
New England	177,164	94,581	91,994	2,587	82,573	76,014	101,160	12.64	59,670	7.40
Maine	17,737	17,554	16,052	1,502	203	—	17,757	22.54	17,554	22.38
New Hampshire	1,836	1,836	741	1,095	—	8	1,830	4.04	1,830	4.04
Vermont	1,754	1,754	1,754	—	—	—	1,754	—	1,754	4.96
Massachusetts	125,487	43,117	43,117	—	82,370	60,343	65,144	16.54	23,868	5.69
Rhode Island	14,039	14,039	14,039	—	—	2,979	11,060	15.98	11,060	15.98
Connecticut	16,291	16,291	16,291	—	—	12,686	3,605	2.27	3,604	2.27
Middle Atlantic	473,974	473,984	470,835	3,149	990	109,368	364,606	14.94	363,616	14.90
New York	317,535	317,514	315,520	1,994	21	94,960	222,575	19.81	222,554	19.81
New Jersey	67,240	67,216	67,100	116	24	9,865	57,375	15.76	57,351	15.76
Pennsylvania	89,199	88,254	88,215	39	945	4,543	84,668	8.88	83,711	8.78
East North Central	983,378	934,738	949,390	14,378	6,638	18,177	945,189	10.21	938,699	9.94
Ohio	23,717	21,687	16,252	5,435	2,030	926	22,791	3.49	20,761	3.18
Indiana	2,320	1,689	1,689	—	631	—	2,320	.74	1,689	.64
Illinois	142,686	140,970	139,155	1,815	1,715	2,327	140,348	19.63	138,033	19.39
Michigan	92,890	90,628	83,500	7,128	2,262	14,914	77,976	17.97	75,845	17.48
Wisconsin	1,764	1,764	1,764	—	—	—	1,764	.62	1,764	.62
West North Central	967,971	956,348	954,356	6,092	8,623	114,803	143,366	11.73	143,261	11.11
Minnesota	55,020	52,991	52,901	—	2,029	40,851	14,169	5.89	12,227	4.65
Iowa	20,450	19,000	19,000	—	1,450	786	19,064	8.12	18,214	7.52
Missouri	71,115	70,954	69,555	4,399	101	2,948	68,167	19.49	68,006	19.44
North Dakota	28,970	28,559	28,559	—	411	24,707	4,263	6.65	3,853	6.01
South Dakota	64,197	60,344	59,650	694	3,853	43,608	20,597	30.07	17,172	25.07
Nebraska	387	—	—	—	387	—	387	.28	—	—
Kansas	27,632	27,500	27,500	—	332	1,711	26,121	14.38	25,789	14.19
South Atlantic	314,095	285,430	251,848	13,571	48,685	37,383	226,642	19.08	228,135	15.81
Delaware	9,886	9,886	9,886	—	—	1,661	8,205	34.33	8,206	34.33
Maryland	33,774	33,579	33,579	—	195	11,087	22,687	14.40	22,491	14.28
Virginia	27,315	27,298	18,884	8,404	527	2,085	25,730	10.28	25,204	10.07
West Virginia	54,465	54,465	54,465	—	—	6,740	47,725	28.85	47,725	28.86
North Carolina	156,279	124,001	123,966	125	32,188	4,929	151,350	53.39	119,163	12.03
South Carolina	10,176	6,065	5,422	633	4,121	169	10,007	5.48	5,886	3.22
Georgia	9,535	9,474	5,064	4,410	61	103	9,432	3.00	9,370	2.99
Florida	12,095	603	602	—	11,403	589	11,506	8.92	90	.07
East South Central	79,734	71,008	—	12,001	8,729	377	78,457	8.56	70,738	7.62
Kentucky	9,438	2,517	36	2,481	6,921	212	9,226	3.67	2,306	.92
Tennessee	18,402	17,417	14,890	2,527	1,045	—	18,402	7.51	17,417	7.09
Alabama	35,136	34,440	29,826	4,614	996	—	35,136	13.95	34,439	13.67
Mississippi	16,698	16,631	14,252	2,379	67	65	16,633	9.29	16,566	9.25
West South Central	37,835	26,615	23,566	2,049	19,020	62	37,673	9.29	25,553	2.94
Arkansas	5,690	3,126	3,126	—	2,564	10	5,680	3.00	3,116	.66
Louisiana	16,629	14,688	12,639	2,049	1,941	—	16,629	8.67	14,688	7.65
Oklahoma	5,281	3,389	3,389	—	1,892	52	5,229	2.26	3,337	.44
Texas	10,035	4,412	4,412	—	5,623	—	10,035	1.90	4,412	.84
Mountain	54,610	42,038	41,648	390	10,562	8,813	46,797	11.99	36,026	9.23
Montana	9,050	5,558	5,558	—	3,492	807	8,153	11.92	4,785	.60
Idaho	7,450	5,650	5,650	—	1,800	945	6,505	16.39	4,708	9.07
Wyoming	2,954	1,919	1,919	—	1,035	12	2,942	12.57	1,907	8.15
Colorado	14,002	12,762	12,762	—	1,240	437	13,565	12.83	12,325	11.66
New Mexico	4,316	3,918	3,918	—	397	92	4,224	10.94	3,829	9.92
Arizona	2,961	748	748	—	2,213	782	2,179	5.00	—	—
Utah	9,871	9,660	9,660	—	211	2,476	7,395	14.53	7,184	14.11
Nevada	2,006	1,812	1,432	380	194	172	1,834	23.89	1,292	16.09
Pacific	191,568	174,813	174,253	559	16,755	26,379	185,189	24.83	149,833	21.68
Washington	13,321	12,455	12,400	55	866	1,123	12,198	7.97	11,332	7.40
Oregon	62,261	61,560	61,560	—	701	23,776	38,485	44.08	38,111	43.61
California	115,986	100,798	100,293	505	15,188	1,480	114,508	26.98	100,390	23.63

<sup>1</sup> Includes special debt obligations to public trust funds aggregating \$39,635,000<sup>2</sup> Consists of revenue bonds, notes, and warrants; excludes obligations on trust account covered by investments and other assets.<sup>3</sup> Includes assets in special assessment sinking funds which are an offset to current debt<sup>4</sup> Amounts in this column represent funded and floating debt less assets in general sinking funds.<sup>5</sup> Special assessment or contingent debt<sup>6</sup> Includes \$10,250,000, special assessment debt for drainage district<sup>7</sup> Includes \$2,100,000, special assessment or contingent debt.<sup>8</sup> Includes \$11,530,000 special assessment debt for reclamation districts.

Source. Bureau of the Census, Department of Commerce

**No. 225.—BONDED INDEBTEDNESS OF STATES, BY PURPOSE OF ISSUE**

[NOTE.—All figures in thousands of dollars. Data for the various States are not of identical date but with few exceptions are as of Jan. 1, 1927, or of more recent date. Four States (Florida, Nebraska, Kentucky, and Wisconsin) have no bonded indebtedness. Kentucky owes \$3,881,000 on outstanding warrants, and Wisconsin is indebted to its trust fund to the amount of \$1,763,000. "Total debt" includes indebtedness under issues for refunding and for miscellaneous purposes not shown separately. "Education" includes universities and public-school systems (cost of buildings and maintenance). "Welfare institutions" includes special and general hospitals, insane asylums, penal institutions, and reformatory schools. "Agricultural aid" includes rural credits, State Bank of North Dakota, agricultural experiment stations, forestry, etc. "Highways" includes bridges and grade-crossing elimination. "Other improvements" includes physical improvements other than highways, waterways, or buildings. "Other military purposes" includes armories, insurrection costs, and old war debts]

Division and State	Total debt	Edu- cation	Wel- fare insti- tutions	Agri- cul- tural aid	Public build- ings	High- ways	Water- ways and harbors	Other im- prove- ments	Sol- diers' bonus	Other mili- tary pur- poses
<b>United States</b>	<b>1,846,114</b>	<b>35,984</b>	<b>53,458</b>	<b>119,264</b>	<b>17,846</b>	<b>834,467</b>	<b>222,509</b>	<b>131,257</b>	<b>271,528</b>	<b>14,295</b>
<b>New England:</b>										
Maine	18,301					14,582		1,150	1,500	800
New Hampshire	736		235							500
Vermont	1,754	370			90				1,082	
Massachusetts	124,344		7,514		1,390	11,117	10,806	88,288		5,230
Rhode Island	19,164		4,100		4,245	6,063	976	550	2,500	730
Connecticut	16,291		2,000							
<b>Middle Atlantic:</b>										
New York	341,059		11,500			107,600	151,984	30,375	39,600	
New Jersey	77,116			116		65,000			12,000	
Pennsylvania	98,029					97,888				
<b>East North Central:</b>										
Ohio	13,750								13,750	
Indiana	340	340								
Illinois	137,212					87,000			50,195	
Michigan	83,500					45,581			30,000	3,500
Wisconsin	1,763	1,763								
<b>West North Central:</b>										
Minnesota	87,157	1,140		44,520	200	33,218		25	7,250	804
Iowa	17,600								17,600	
Missouri	70,764	4,399				48,000			18,365	
North Dakota	30,859			30,859						
South Dakota	58,700			43,000		4,950		2,000	6,000	
Kansas	26,500								26,500	
<b>South Atlantic:</b>										
Delaware	10,922	572	75			9,780				
Maryland	31,560	1,200	875			19,922		5,242		
Virginia	22,360					5,278				
West Virginia	52,000					43,900				
North Carolina	143,393	14,835	23,848		250	85,300		1,642		
South Carolina	9,575			250	7					( <sup>1</sup> )
Georgia	4,994	292								
<b>East South Central:</b>										
Kentucky <sup>1</sup>	3,881									
Tennessee	14,572	1,760	634		1,385			40		
Alabama	33,758					20,201	5,000			
Mississippi	16,002		500		1,581			1,840		
<b>West South Central:</b>										
Arkansas	2,925	2,097	328							
Louisiana	51,336		995			498	38,890			1,000
Oklahoma	1,656				1,125					
Texas	4,002									
<b>Mountain:</b>										
Montana	5,580	4,930			650					
Idaho	5,207	340	384		900	2,847		105		
Wyoming	1,919				19	1,900				
Colorado	12,733					9,400				1,639
New Mexico	3,910		125		284	2,340				88
Arizona	2,848		20		18					
Utah	9,660	300			1,600	7,260				
Nevada	1,812	86	325	69	302	500				
<b>Pacific:</b>										
Washington	10,600								10,600	
Oregon	63,614			450		36,067			25,000	
California	100,356	1,560			3,800	68,275	14,853		9,586	4

<sup>1</sup> Certificates of indebtedness to school and normal funds from general fund of State (not bonded indebtedness).

<sup>2</sup> Less than \$500.

<sup>3</sup> Outstanding warrants (not bonded indebtedness).

Source: The Bank of America, New York, N. Y.

### No. 226.—DEBT OF STATE GOVERNMENTS: GROSS DEBT, SINKING FUND ASSETS, AND DEBT LESS SINKING FUND OF THE 48 STATES COMBINED

[NOTE.—For more detailed statement for 1926, see Table 224. In the present table, for comparability with earlier figures, the item of "obligations to public trust funds" not evidenced by formal certificates of indebtedness is included throughout under funded or fixed debt; in Table 224 it is included with floating debt; the amount of this item in 1926 was \$39,635,000. These obligations to public trust funds are not debt in the ordinarily understood sense]

[All figures except per capita in thousands of dollars]

Year	State debt—gross			Sinking fund assets	Gross debt less sinking fund assets	
	Total	Funded or fixed <sup>1</sup>	All other		Amount	Per capita
1890.....	306,017	286,819	19,198	31,271	274,746	\$5.48
1890.....	258,185	238,283	19,912	46,983	211,210	3.37
1895.....	225,488	212,302	13,186	31,272	194,216	2.90
1900.....	265,133	253,331	11,802	29,621	<sup>2</sup> 235,454	3.10
1902 <sup>3</sup> .....	274,149	261,483	12,666	34,859	<sup>2</sup> 239,369	3.03
1906.....	278,135	267,083	11,052	39,263	238,871	2.85
1910.....	322,949	311,093	11,856	66,814	<sup>2</sup> 256,143	2.78
1912.....	422,707	403,367	19,430	76,981	<sup>2</sup> 345,942	3.57
1915.....	532,713	512,045	20,668	88,037	444,675	4.52
1917.....	632,309	605,493	26,816	104,844	527,465	5.18
1918.....	657,542	627,316	30,226	125,904	531,637	5.14
1919.....	663,622	665,747	27,676	146,677	546,945	5.20
1922.....	1,162,046	1,106,076	56,572	227,105	935,843	8.64
1923.....	1,298,830	1,203,485	65,345	254,882	1,033,948	9.43
1924.....	1,592,643	1,492,920	99,723	310,943	1,281,700	11.52
1925.....	1,745,651	1,554,433	191,218	346,697	1,398,954	12.42
1926.....	1,858,037	1,648,400	209,637	378,056	1,479,981	12.77

<sup>1</sup> Includes special debt obligations to public trust funds.

<sup>2</sup> There was an excess of sinking-fund assets over gross debt in one State.

<sup>3</sup> Revised figures.

### No. 227.—LOCAL GOVERNMENT DEBT BY CLASSES OF CIVIL DIVISIONS: GROSS DEBT LESS SINKING FUND ASSETS, 1922

[All figures in thousands of dollars]

Division and State	Counties	Incorporated places	All other civil divisions	Division and State	Counties	Incorporated places	All other civil divisions
Grand total				South Atlantic—Continued.			
New England	14,537	295,833	29,871	Virginia.....	22,102	75,023	134
Maine.....	2,546	14,907	12,038	West Virginia.....	24,859	10,099	10,773
New Hampshire.....	621	9,814	2,670	North Carolina.....	67,012	67,299	13,687
Vermont.....	136	6,295	3,451	South Carolina.....	21,556	26,747	7,978
Massachusetts.....	9,764	212,362	820	Georgia.....	22,810	34,876	1,439
Rhode Island.....		39,901		Florida.....	29,270	39,435	28,696
Connecticut.....	1,490	82,484	10,892	East South Central			
Middle Atlantic	190,130	1,968,322	905,114	Kentucky.....	12,340	25,880	4,554
New York.....	45,886	1,407,238	44,154	Tennessee.....	43,528	63,686	4,981
New Jersey.....	73,854	256,238	35,725	Alabama.....	24,026	35,940	
Pennsylvania.....	70,390	304,846	125,235	Mississippi.....	9,836	22,878	63,921
East North Central	978,348	832,359	445,402	West South Central			
Ohio.....	94,490	348,412	96,398	Arkansas.....	4,680	3,065	80,813
Indiana.....	77,115	30,484	42,868	Louisiana.....	19,943	61,205	30,969
Illinois.....	28,632	171,283	150,224	Oklahoma.....	21,850	60,800	42,630
Michigan.....	42,632	218,162	50,090	Texas.....	96,240	118,135	135,823
Wisconsin.....	29,479	64,028	8,852	Mountain			
West North Central	165,584	309,781	281,587	Montana.....	27,340	16,178	14,132
Minnesota.....	81,262	103,834	64,204	Idaho.....	11,239	14,165	29,176
Iowa.....	43,228	45,167	61,762	Wyoming.....	2,444	8,672	4,001
Missouri.....	17,915	29,687	41,218	Colorado.....	7,784	45,185	34,209
North Dakota.....	5,852	12,715	15,786	New Mexico.....	3,414	6,140	10,793
South Dakota.....	6,512	12,403	16,208	Arizona.....	20,086	11,888	10,259
Nebraska.....	8,757	37,444	50,516	Utah.....	6,427	17,337	16,458
Kansas.....	21,998	69,801	31,893	Nevada.....	2,717	1,248	1,288
South Atlantic	301,463	363,306	64,818	Pacific			
Delaware.....	5,961	10,066		Washington.....	21,920	84,901	49,061
Maryland.....	7,893	68,920	2,012	Oregon.....	19,529	53,040	25,542
District of Columbia.....		156		California.....	53,726	191,469	189,792

Source of Tables 226 and 227: Bureau of the Census, Department of Commerce.

# No. 228.—DEBTS OF LOCAL GOVERNMENTS: COMBINED GROSS DEBT LESS SINKING FUND ASSETS OF ALL CIVIL DIVISIONS

[NOTE.—Debts of State governments are not included]

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1890	1900	1902	1911	1913	1890	1900	1902	1911	1913
<b>Total</b> .....	648,533	925,800	1,630,070	2,475,954	7,754,196	16.39	14.79	20.74	35.81	71.01
<b>New England</b> .....	128,064	128,069	224,516	296,391	440,251	32.08	27.25	39.46	43.08	57.88
Maine.....	17,724	12,130	12,261	21,543	29,551	27.31	18.35	17.40	28.42	38.21
New Hampshire.....	7,163	5,457	9,862	9,345	13,106	20.64	14.49	23.56	21.40	30.47
Vermont.....	4,348	3,637	4,654	6,411	9,882	13.09	10.94	14.93	17.81	28.04
Massachusetts.....	71,125	74,283	143,799	187,578	252,946	39.89	33.18	49.85	52.86	63.66
Rhode Island.....	11,270	12,819	25,530	25,899	39,901	40.76	36.52	56.84	44.15	64.22
Connecticut.....	17,034	19,963	30,210	44,925	94,866	27.36	26.75	32.11	38.01	66.09
<b>Middle Atlantic</b> .....	355,250	314,738	637,311	1,461,733	2,363,566	33.65	24.78	32.62	71.06	108.15
New York.....	211,187	199,456	429,185	1,046,227	1,497,278	41.55	33.25	56.50	107.71	140.63
New Jersey.....	48,733	48,311	81,204	169,527	365,817	43.08	33.43	40.85	61.66	111.42
Pennsylvania.....	95,318	66,973	126,922	245,979	500,471	21.79	12.74	19.49	30.34	55.72
<b>East North Central</b> .....	119,748	140,270	271,361	528,510	1,553,109	10.69	10.41	16.48	27.64	79.12
Ohio.....	43,022	63,930	112,545	224,525	639,300	13.45	17.41	26.45	47.23	107.20
Indiana.....	13,357	15,904	31,914	66,063	150,467	6.75	7.25	12.36	23.93	50.43
Illinois.....	44,942	40,657	75,560	137,208	350,139	14.60	10.63	15.65	23.24	52.58
Michigan.....	8,803	11,634	28,272	52,908	310,844	5.38	5.56	11.42	18.02	80.84
Wisconsin.....	9,624	8,145	30,070	37,816	102,359	7.32	4.83	9.41	15.63	38.00
<b>West North Central</b> .....	77,285	138,508	188,670	274,790	778,889	12.54	15.56	15.94	22.94	60.97
Minnesota.....	5,911	23,812	38,929	69,018	249,300	7.57	18.29	21.12	31.04	101.70
Iowa.....	7,502	11,035	17,590	35,069	150,157	4.67	5.77	7.82	15.78	61.52
Missouri.....	40,755	39,798	40,031	56,951	87,820	18.80	14.85	14.42	16.98	25.58
North Dakota.....	132	3,139	4,640	12,441	34,353	8.57	17.18	12.67	18.89	51.95
South Dakota.....	867	5,742	6,127	12,315	35,123	8.62	17.46	14.48	19.15	54.25
Nebraska.....	7,060	15,282	20,410	36,371	98,717	15.58	14.43	19.13	29.50	73.14
Kansas.....	14,918	39,509	35,143	52,625	123,362	14.98	27.69	23.99	31.22	69.11
<b>South Atlantic</b> .....	89,012	96,256	107,564	203,263	619,586	11.72	10.75	9.99	15.94	44.38
Delaware.....	1,466	2,031	3,383	6,097	16,017	10.00	12.00	17.99	29.31	72.42
Maryland.....	30,310	33,741	25,701	52,212	98,825	32.42	32.37	21.12	39.25	66.53
District of Columbia.....	22,498	19,781	14,540	9,061	156	126.66	85.86	50.42	26.08	36
Virginia.....	12,755	16,610	23,934	39,887	97,369	8.43	10.03	12.64	18.73	41.14
West Virginia.....	1,514	2,348	4,768	11,195	49,331	2.45	3.08	4.78	8.57	30.26
North Carolina.....	2,540	3,414	8,593	20,285	147,998	1.81	2.11	4.41	11.39	55.91
South Carolina.....	6,707	6,342	9,021	15,097	56,281	6.74	5.51	6.55	9.80	32.59
Georgia.....	9,730	9,823	13,410	25,614	58,619	6.31	5.35	5.85	9.36	19.74
Florida.....	1,492	1,145	4,214	17,805	97,400	5.53	2.92	7.52	21.90	95.11
<b>East South Central</b> .....	31,104	38,656	55,178	128,973	313,589	8.57	8.70	7.10	14.61	34.86
Kentucky.....	12,888	17,762	20,550	25,588	42,774	8.42	9.56	9.32	10.95	17.51
Tennessee.....	9,947	9,848	14,733	47,287	114,195	6.45	5.57	7.11	21.13	48.20
Alabama.....	5,637	6,518	14,366	29,930	59,965	4.46	4.31	7.59	13.37	26.83
Mississippi.....	1,632	2,508	5,527	24,168	96,635	1.44	1.95	3.45	12.88	53.97
<b>West South Central</b> .....	29,410	35,339	63,715	211,006	671,053	8.62	7.78	9.25	22.18	64.60
Arkansas.....	3,944	2,157	3,034	12,577	88,558	4.91	1.91	2.25	7.58	49.51
Louisiana.....	19,428	17,327	24,184	61,461	112,117	20.67	15.49	16.86	35.21	61.10
Oklahoma.....			4,040	53,790	125,180		4.50	27.74	59.48	
Texas.....	6,038	15,855	32,457	83,238	350,196	3.79	7.09	10.11	19.95	72.44
<b>Mountain</b> .....	6,106	19,003	45,463	99,497	322,230	9.26	16.43	25.75	38.78	91.86
Montana.....	696	2,751	7,717	16,633	57,650	17.75	20.82	29.30	39.68	97.40
Idaho.....	147	1,376	3,589	11,987	54,520	4.51	16.30	20.18	31.64	119.43
Wyoming.....	189	1,327	2,266	4,202	15,117	9.07	21.87	23.54	25.73	73.52
Colorado.....	3,481	7,811	18,269	35,473	87,179	17.92	18.95	32.34	41.29	69.91
New Mexico.....	86	1,962	3,561	6,444	20,056	71	12.77	17.70	17.41	54.42
Arizona.....	378	2,161	3,492	7,324	42,233	9.33	36.58	26.89	31.73	117.02
Utah.....	107	767	5,638	13,859	40,223	74	3.69	19.45	34.24	85.89
Nevada.....	1,024	828	940	2,575	5,253	16.45	18.09	22.21	27.19	67.87
<b>Pacific</b> .....	16,088	18,371	54,294	274,741	686,970	12.54	9.83	31.53	57.61	117.89
Washington.....	240	2,846	28,285	94,415	155,872	3.19	8.14	31.40	70.21	110.83
Oregon.....	337	2,478	11,066	43,797	98,111	1.93	7.90	25.57	57.66	121.27
California.....	13,449	13,047	14,943	136,529	434,967	15.55	10.80	9.71	51.18	119.40

Includes \$632,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.



**No. 229.—DEBTS OF STATE AND LOCAL GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS OF STATES, COUNTIES, CITIES, TOWNS, VILLAGES, TOWNSHIPS, SCHOOL DISTRICTS, AND ALL OTHER CIVIL DIVISIONS COMBINED**

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1880	1890	1902	1912	1927	1880	1890	1902	1912	1927
<b>Grand total</b> .....	1, 183, 279	1, 137, 900	1, 864, 978	3, 821, 897	5, 686, 740	22.40	18.18	23.73	39.37	72.92
<b>New England</b> .....	185, 410	148, 534	301, 478	390, 960	550, 709	41.94	31.60	52.52	66.85	72.46
Maine.....	23, 236	15, 772	15, 047	22, 786	42, 457	35.81	23.86	21.40	30.08	54.90
New Hampshire.....	10, 793	8, 148	11, 413	1, 300	16, 123	31.10	21.04	27.27	25.87	36.14
Vermont.....	4, 499	3, 785	5, 217	6, 981	11, 994	13.54	11.39	15.08	19.39	34.03
Massachusetts.....	91, 910	84, 065	209, 763	267, 129	329, 942	51.55	37.56	72.72	75.28	83.04
Rhode Island.....	12, 971	12, 990	28, 150	30, 716	49, 239	46.91	37.62	62.67	62.99	79.38
Connecticut.....	22, 002	23, 725	31, 888	52, 036	100, 954	35.33	31.79	33.89	44.03	70.33
<b>Middle Atlantic</b> .....	376, 430	321, 893	643, 830	1, 548, 590	2, 816, 431	35.77	25.33	40.15	73.28	114.19
New York.....	218, 846	201, 256	437, 372	1, 132, 432	1, 683, 820	43.06	33.55	57.64	116.59	158.15
New Jersey.....	49, 383	49, 258	81, 147	170, 169	382, 172	43.66	34.09	49.82	61.89	116.40
Pennsylvania.....	107, 202	71, 180	127, 311	245, 979	550, 439	25.03	13.54	19.35	30.34	61.28
<b>East North Central</b> .....	141, 938	165, 939	309, 900	546, 815	1, 659, 356	19.66	12.26	17.81	28.78	74.62
Ohio.....	53, 044	70, 927	117, 230	239, 667	669, 443	16.59	19.32	27.55	48.27	112.25
Indiana.....	18, 363	24, 472	34, 828	67, 404	152, 792	9.28	11.16	13.49	24.41	51.21
Illinois.....	46, 389	42, 468	80, 715	136, 460	364, 019	15.97	11.10	16.06	24.62	54.60
Michigan.....	12, 056	16, 942	34, 839	59, 997	261, 778	7.36	8.09	14.07	20.43	94.09
Wisconsin.....	12, 089	10, 421	22, 348	40, 067	104, 523	9.19	6.18	10.48	16.56	38.81
<b>West North Central</b> .....	104, 181	155, 700	178, 902	282, 971	851, 543	18.91	17.62	18.91	23.62	64.53
Minnesota.....	11, 328	26, 238	40, 684	70, 364	209, 608	14.51	20.15	22.07	32.26	109.90
Iowa.....	8, 138	11, 271	17, 440	35, 426	151, 614	5.01	5.90	7.84	15.94	62.11
Missouri.....	60, 264	51, 556	50, 397	61, 622	118, 270	27.79	19.24	15.79	14.37	34.46
North Dakota.....	132	3, 855	5, 608	13, 261	40, 206	3.57	21.10	15.31	20.07	69.39
South Dakota.....	567	6, 614	6, 584	12, 685	30, 554	8.82	20.11	15.56	19.72	78.09
Nebraska.....	7, 490	15, 537	22, 415	36, 745	97, 755	10.56	14.67	21.01	29.80	73.33
Kansas.....	15, 912	40, 839	35, 774	52, 868	123, 470	15.97	28.47	24.42	31.36	69.16
<b>South Atlantic</b> .....	167, 920	163, 454	159, 806	265, 193	743, 218	22.10	18.68	14.79	20.02	51.61
Delaware.....	2, 371	2, 919	4, 145	6, 800	22, 451	16.17	17.32	22.04	32.98	98.32
Maryland.....	41, 429	41, 292	30, 643	59, 548	120, 964	44.31	39.81	25.18	14.76	91.43
District of Columbia.....	22, 498	19, 781	14, 540	9, 061	156	126.66	85.86	50.42	26.03	66
Virginia.....	45, 519	51, 597	47, 481	64, 960	110, 715	30.09	31.16	25.07	26.06	50.14
West Virginia.....	1, 641	2, 532	4, 708	11, 195	70, 612	2.05	3.92	4.78	8.57	46.58
North Carolina.....	17, 963	14, 124	15, 348	34, 344	182, 711	12.83	6.87	7.88	14.88	69.03
South Carolina.....	14, 185	13, 680	15, 761	21, 287	65, 010	14.25	11.87	11.43	11.54	37.64
Georgia.....	19, 648	20, 272	21, 286	32, 548	64, 038	12.74	11.03	9.26	11.80	21.56
Florida.....	2, 668	2, 277	5, 247	18, 424	98, 209	9.89	5.81	9.36	22.72	95.05
<b>East South Central</b> .....	78, 696	74, 126	91, 035	160, 890	370, 563	14.09	11.53	11.54	18.61	41.17
Kentucky.....	14, 982	19, 438	22, 842	30, 031	50, 519	9.09	10.46	10.36	12.85	20.68
Tennessee.....	40, 750	29, 544	32, 717	59, 098	133, 437	26.42	16.71	15.79	26.41	56.27
Alabama.....	18, 008	18, 956	27, 092	43, 063	75, 198	14.26	12.53	14.32	19.24	31.37
Mississippi.....	4, 956	6, 193	8, 404	28, 628	111, 499	4.39	4.81	5.24	15.25	62.27
<b>West South Central</b> .....	63, 987	61, 038	63, 002	237, 435	704, 548	19.58	13.43	12.05	24.95	68.70
Arkansas.....	10, 733	7, 400	4, 226	13, 813	91, 290	13.37	6.73	3.13	6.32	51.03
Louisiana.....	42, 865	33, 335	37, 777	75, 007	120, 940	45.90	20.80	26.34	42.97	69.18
Oklahoma.....	—	—	4, 549	60, 721	129, 977	—	—	5.07	31.32	61.75
Texas.....	11, 689	20, 093	36, 460	87, 894	356, 343	7.34	8.99	11.35	21.07	73.71
<b>Mountain</b> .....	6, 807	23, 876	56, 786	112, 770	372, 776	10.43	20.74	22.16	35.39	106.39
Montana.....	765	2, 926	8, 921	18, 146	45, 229	19.34	22.15	33.87	43.29	110.20
Idaho.....	230	1, 594	3, 884	14, 131	62, 193	7.05	18.89	22.02	37.30	138.24
Wyoming.....	205	1, 647	2, 566	4, 324	19, 128	9.88	27.4	26.68	29.48	93.02
Colorado.....	3, 628	9, 458	22, 067	39, 647	90, 198	18.77	22.35	39.06	44.89	101.78
New Mexico.....	85	2, 832	4, 580	7, 662	25, 010	7.1	13.14	22.64	20.70	67.89
Arizona.....	378	2, 938	6, 592	10, 389	44, 873	9.33	49.28	50.75	45.01	124.61
Utah.....	116	1, 218	6, 603	15, 288	50, 041	8.1	5.85	22.81	37.77	106.85
Nevada.....	1, 400	1, 305	1, 564	3, 183	7, 004	22.48	29.83	27.07	33.66	90.49
<b>Pacific</b> .....	17, 670	21, 468	58, 757	288, 331	837, 411	13.65	11.48	23.30	60.08	141.23
Washington.....	239	3, 419	29, 557	95, 971	169, 063	3.19	9.78	53.71	71.5	120.21
Oregon.....	849	2, 180	11, 302	43, 828	138, 094	4.80	7.90	26.11	57.30	170.69
California.....	16, 582	15, 569	17, 898	149, 752	520, 254	19.18	12.89	11.80	55.01	142.81

\* No State indebtedness reported, the Virginia-West Virginia debt settlement was not made until 1919.

† Includes \$853,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.

**No. 230.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 30,000 OR MORE INHABITANTS: BY SIZE GROUPS**

[NOTE.—All figures in thousands of dollars. See headnote, Table 220]

	All cities over 30,000 <sup>1</sup>			1926—Cities of—				
	1915	1919	1926	Over 500,000	300,000–500,000	100,000–300,000	50,000–100,000	30,000–50,000
<b>Revenue receipts, total</b> .....	<b>940, 385</b>	<b>1, 224, 113</b>	<b>2, 738, 961</b>	<b>1, 535, 420</b>	<b>256, 532</b>	<b>496, 804</b>	<b>287, 458</b>	<b>160, 747</b>
<b>From taxes, total</b> .....	<b>641, 973</b>	<b>874, 583</b>	<b>1, 900, 850</b>	<b>1, 076, 301</b>	<b>175, 583</b>	<b>342, 922</b>	<b>196, 580</b>	<b>109, 464</b>
General property.....	570, 831	784, 903	1, 747, 163	985, 502	164, 767	315, 264	182, 020	99, 610
Special property.....			21, 721	11, 098	426	6, 680	2, 047	1, 470
Other special taxes.....			48, 753	33, 629	1, 416	6, 625	3, 581	3, 502
Business and nonbusiness license.....	69, 350	87, 571	78, 159	45, 274	8, 785	12, 705	7, 314	4, 081
Poll.....	1, 792	2, 109	5, 054	798	189	1, 648	1, 618	801
Special assessments and special charges for outlays.....	79, 891	69, 006	204, 902	106, 836	16, 899	41, 142	25, 331	14, 694
Fines, forfeits, and escheats.....	4, 449	6, 462	19, 669	9, 155	1, 502	4, 970	2, 538	1, 504
Subventions and grants.....	36, 141	44, 803	109, 995	53, 979	10, 548	22, 197	15, 623	7, 648
Donations, gifts, and pension assessments.....	3, 754	6, 092	24, 109	16, 268	2, 228	3, 126	1, 469	1, 018
Highway privileges, rents of investment property, and interest.....	55, 072	65, 395	126, 482	91, 154	10, 974	14, 266	7, 106	2, 982
Earnings of general departments.....	22, 547	30, 373	71, 911	38, 708	8, 020	13, 084	7, 641	4, 458
Earnings of public-service enterprises.....	96, 558	127, 399	281, 043	143, 019	30, 778	57, 097	31, 170	18, 979
<b>Governmental-cost payments, total</b> .....	<b>1, 080, 141</b>	<b>1, 233, 112</b>	<b>3, 052, 645</b>	<b>1, 676, 693</b>	<b>285, 688</b>	<b>575, 467</b>	<b>331, 780</b>	<b>183, 017</b>
<b>Current expenses and interest, total</b> .....	<b>750, 556</b>	<b>977, 209</b>	<b>2, 089, 202</b>	<b>1, 153, 632</b>	<b>203, 788</b>	<b>388, 368</b>	<b>220, 454</b>	<b>122, 960</b>
<b>Current expenses (except interest), total</b> .....	<b>622, 029</b>	<b>820, 579</b>	<b>1, 795, 683</b>	<b>985, 466</b>	<b>175, 031</b>	<b>333, 004</b>	<b>193, 878</b>	<b>108, 304</b>
General departments, total.....	578, 206	753, 879	1, 639, 281	908, 156	154, 845	303, 552	175, 110	97, 618
General government.....	65, 457	76, 978	139, 065	88, 850	15, 612	17, 709	10, 571	6, 323
Protection to person and property.....	127, 510	158, 051	327, 829	180, 934	31, 067	63, 464	34, 340	18, 024
Health and sanitation.....	58, 472	81, 499	163, 574	96, 789	15, 580	27, 736	15, 509	7, 960
Highways.....	65, 509	72, 486	151, 697	82, 259	14, 218	29, 562	15, 619	10, 039
Charities, hospitals, and corrections.....	39, 298	55, 086	95, 833	63, 063	11, 369	11, 494	6, 173	3, 734
Education—								
Schools.....	174, 039	238, 907	607, 060	300, 560	54, 118	129, 126	79, 307	43, 949
Libraries.....	7, 552	9, 842	21, 124	10, 595	2, 289	4, 374	2, 543	1, 323
Recreation.....	21, 389	25, 972	56, 531	32, 878	4, 544	10, 246	5, 866	2, 997
Miscellaneous.....	18, 980	35, 058	76, 568	52, 228	6, 048	9, 841	5, 182	3, 269
Public-service enterprises.....	43, 823	66, 700	156, 402	77, 310	20, 186	29, 452	18, 768	10, 686
Interest.....	128, 527	156, 630	293, 519	168, 166	28, 757	55, 364	26, 576	14, 656
<b>Outlays for permanent improvements</b> .....	<b>329, 585</b>	<b>255, 903</b>	<b>963, 443</b>	<b>523, 061</b>	<b>81, 900</b>	<b>187, 099</b>	<b>111, 326</b>	<b>60, 057</b>
<b>Excess of governmental-cost payments over revenue receipts</b> .....	<b>139, 756</b>	<b>8, 999</b>	<b>313, 664</b>	<b>141, 273</b>	<b>29, 156</b>	<b>76, 663</b>	<b>44, 322</b>	<b>22, 270</b>

<sup>1</sup> There were 204 cities of this class in 1915, 227 in 1919, and 250 in 1926.

Source: Bureau of the Census, Department of Commerce.

**No. 232.—PER CAPITA REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 30,000 OR MORE INHABITANTS**

	All cities of over 30,000			1926—Cities of—				
	1915	1919	1926	Over 500,000	300,000–500,000	100,000–300,000	50,000–100,000	30,000–50,000
<b>Revenue receipts</b> .....	<b>\$30.17</b>	<b>\$35.32</b>	<b>\$35.46</b>	<b>\$30.14</b>	<b>\$37.97</b>	<b>\$51.09</b>	<b>\$49.73</b>	<b>\$47.80</b>
From taxes.....	20.60	25.23	45.43	56.17	46.53	35.12	34.01	32.55
General property.....	18.31	22.64	41.76	51.44	43.65	32.29	31.49	29.62
Special property.....			.52	.58	.11	.68	.35	.44
Other special taxes.....	2.23	2.53	1.16	1.75	.38	.68	.62	1.04
Business and nonbusiness license.....			1.87	2.36	2.33	1.30	1.27	1.21
Poll.....	.06	.06	.12	.04	.05	.17	.28	.24
Special assessments and special charges for outlays.....	2.56	1.99	4.90	5.58	4.48	4.21	4.38	4.37
Fines, forfeits, and escheats.....	.14	.19	.47	.48	.40	.51	.44	.45
Subventions and grants.....	1.16	1.29						
Donations, gifts, and pension assessments.....	.12	.18	3.21	3.67	3.38	2.59	2.96	2.58
Highway privileges.....	.48	.38						
Rents of investment property and interest.....	1.28	1.51	3.02	4.76	2.91	1.46	1.23	.89
Earnings of general departments.....	.72	.88	1.72	2.02	2.12	1.34	1.32	1.33
Earnings of public-service enterprises.....	3.10	3.68	6.72	7.46	8.15	5.85	5.39	5.64
<b>Governmental-cost payments for current expenses and interest</b> .....	<b>24.08</b>	<b>28.19</b>	<b>49.93</b>	<b>60.21</b>	<b>53.99</b>	<b>39.78</b>	<b>38.14</b>	<b>36.56</b>
<b>Current expenses (except interest)</b> .....	<b>19.96</b>	<b>23.67</b>	<b>42.92</b>	<b>51.43</b>	<b>46.38</b>	<b>34.11</b>	<b>33.54</b>	<b>32.21</b>
General departments.....	18.55	21.75	39.18	47.40	41.03	31.09	30.29	29.03
General government.....	2.10	2.22	3.32	4.64	4.14	1.81	1.83	1.88
Protection to person and property.....	4.09	4.55	7.84	9.44	8.23	6.50	5.94	5.36
Health and sanitation.....	1.87	2.35	3.91	5.05	4.12	2.84	2.68	2.37
Highways.....	2.10	2.09	3.63	4.30	3.77	3.03	2.70	2.98
Charities, hospitals, and corrections.....	1.26	1.59	2.29	3.29	3.01	1.18	1.07	1.11
Education—								
Schools.....	5.58	6.89	14.51	15.68	14.34	13.23	13.72	13.07
Libraries.....	.24	.28	.50	.55	.61	.45	.44	.39
Recreation.....	.69	.75	1.35	1.72	1.20	1.05	1.01	.89
Miscellaneous.....	.61	1.01	1.83	2.73	1.60	1.01	.90	.97
Public-service enterprises.....	1.41	1.92	3.74	4.03	5.35	3.02	3.25	3.18
Interest.....	4.12	4.52	7.02	8.78	7.62	5.67	4.60	4.36
<b>Excess of revenue receipts over payments for current expenses and interest</b> .....	<b>6.09</b>	<b>7.13</b>	<b>15.53</b>	<b>19.93</b>	<b>13.97</b>	<b>11.31</b>	<b>11.59</b>	<b>11.24</b>

**No. 232.—COMPARATIVE SUMMARY OF PER CAPITA REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF 146 CITIES**

[NOTE.—See headnote, Table 220. Table includes all cities of 30,000 or more inhabitants in 1903]

Year	Per capita revenue receipts <sup>1</sup>			Per capita governmental-cost payments for current expenses and interest <sup>1</sup>					Per capita net debt
	Total	Other than of public-service enterprises	Of public-service enterprises	Total	Current expenses			Interest	
					Total	Of general departments	Of public-service enterprises		
1903.....	\$21. 14	\$18. 71	\$2. 42	\$16. 41	\$14. 35	\$13. 25	\$1. 10	\$2. 06	\$44. 71
1909.....	26. 42	23. 53	2. 89	20. 14	17. 28	16. 06	1. 22	2. 86	61. 21
1911.....	28. 07	25. 09	2. 98	21. 24	18. 17	16. 91	1. 26	3. 07	67. 52
1913.....	28. 55	25. 74	2. 81	22. 17	19. 02	17. 67	1. 35	3. 15	69. 28
1915.....	30. 00	26. 97	3. 03	23. 92	20. 34	18. 95	1. 39	3. 58	77. 86
1917.....	31. 97	28. 84	3. 13	24. 58	20. 92	19. 53	1. 39	3. 66	80. 75
1919.....	35. 26	31. 65	3. 61	28. 07	24. 18	22. 28	1. 90	3. 89	81. 18
1922.....	53. 57	48. 74	4. 83	42. 93	37. 14	34. 37	2. 77	5. 79	97. 57
1924.....	58. 41	52. 42	6. 00	45. 62	40. 42	36. 89	3. 53	5. 29	110. 09
1925.....	61. 90	55. 70	6. 19	47. 87	42. 28	38. 72	3. 56	5. 58	119. 45
1926.....	66. 14	59. 55	6. 60	50. 30	44. 27	40. 51	3. 76	6. 03	128. 13

<sup>1</sup> Service transfers and interest transfers included in the amounts for the year 1922.

Source of Tables 231 and 232: Bureau of the Census, Department of Commerce.

**No. 233.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF CITIES HAVING 30,000 TO 100,000 INHABITANTS, 1926**

[NOTE.—See headnote, Table 220. Cities are arranged in order of their estimated population in 1926]

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Current expenses <sup>1</sup>	Interest	Outlays	Net debt	Total revenue receipts	Current expenses <sup>1</sup>	Interest	Net debt
86	Tampa, Fla.....	4,685	3,353	466	5,697	11,474	47.38	33.91	4.71	116.02
87	Knorrville, Tenn.....	3,513	2,538	796	1,224	15,652	35.89	25.93	8.13	159.87
88	Savannah, Ga.....	2,574	2,020	172	720	4,838	26.70	20.95	1.78	50.19
89	Evansville, Ind.....	3,837	2,388	169	1,441	4,073	40.35	25.10	1.78	42.83
90	Allentown, Pa.....	2,826	2,061	219	1,107	4,607	29.87	21.78	2.32	48.70
91	Long Beach, Calif.....	10,096	6,281	705	5,484	15,604	106.95	66.53	7.47	165.29
92	Lawrence, Mass.....	4,946	3,907	307	1,018	5,514	52.89	41.77	3.29	58.96
93	Schenectady, N. Y.....	5,596	4,222	408	1,528	8,292	60.17	45.40	4.30	89.16
94	Wichita, Kans.....	3,960	2,458	424	1,380	5,387	42.81	26.57	4.59	58.23
95	Bayonne, N. J.....	6,268	5,147	625	759	9,646	68.87	56.57	6.86	106.00
96	Hamtramck, Mich.....	3,191	2,167	290	614	4,226	37.67	25.58	3.43	49.90
97	Harrisburg, Pa.....	3,451	2,452	296	1,896	7,172	40.79	28.98	3.50	84.77
98	Manchester, N. H.....	3,396	2,506	264	395	5,264	40.43	29.83	3.15	62.67
99	Peoria, Ill.....	2,910	2,195	120	568	975	35.27	26.60	1.46	11.82
100	South Bend, Ind.....	5,218	2,691	272	2,410	5,302	63.87	32.94	3.33	64.90
101	Gary, Ind.....	4,769	2,597	152	2,310	3,353	59.02	32.14	1.88	41.49
102	Rockford, Ill.....	3,469	2,165	252	2,502	2,479	44.08	27.50	3.20	31.50
103	St. Joseph, Mo.....	3,148	1,929	157	1,979	3,050	40.15	24.61	1.99	38.90
104	Wilkes-Barre, Pa.....	3,229	2,264	184	492	3,680	41.23	28.92	2.34	46.99
105	Sioux City, Iowa.....	3,801	2,457	202	1,228	3,830	49.23	31.83	2.61	49.61
106	Portland, Me.....	3,932	2,806	470	608	8,818	51.47	36.73	6.15	115.42
107	Little Rock, Ark.....	2,312	1,449	346	945	2,803	30.46	19.06	4.57	36.94
108	Highland Park, Mich.....	4,936	3,266	446	1,613	7,017	66.16	43.78	5.98	94.06
109	Charleston, S. C.....	3,620	2,344	561	1,069	8,691	48.85	31.63	7.57	117.28
110	Sacramento, Calif.....	5,611	3,587	576	2,121	11,997	76.44	48.88	7.84	163.45
111	Binghamton, N. Y.....	4,232	3,172	266	1,261	6,388	58.06	43.51	3.65	87.62
112	Saginaw, Mich.....	3,395	2,235	301	1,161	4,421	46.70	30.75	4.14	60.81
113	East St. Louis, Ill.....	1,975	1,473	214	1,264	2,303	27.32	20.38	2.96	31.85
114	Troy, N. Y.....	3,625	2,790	327	554	6,208	50.14	38.59	4.52	85.87
115	Johnstown, Pa.....	2,909	2,074	330	2,035	7,478	40.29	28.72	4.57	103.58
116	Chattanooga, Tenn.....	2,558	1,872	391	1,394	8,698	35.48	25.96	5.42	120.65
117	Terre Haute, Ind.....	2,829	1,989	129	980	3,105	39.35	27.66	1.79	43.18
118	Lansing, Mich.....	6,319	3,419	420	2,275	5,777	88.26	47.76	5.86	80.68
119	Pawtucket, R. I.....	3,053	2,047	453	2,294	8,958	43.01	28.84	6.38	126.17
120	Chester, Pa.....	1,777	1,269	206	527	3,731	25.25	18.02	2.93	53.00
121	Winston-Salem, N. C.....	2,825	1,533	663	3,242	9,159	40.25	21.83	9.45	130.47
122	Springfield, Ohio.....	2,586	1,565	230	424	2,844	36.83	22.30	3.28	40.52
123	Passaic, N. J.....	3,099	2,715	480	1,917	7,321	44.34	38.84	6.87	104.74
124	Racine, Wis.....	3,058	1,852	195	1,071	3,647	44.07	26.69	2.81	52.55
125	New Britain, Conn.....	2,938	2,219	244	1,219	5,873	42.95	32.44	3.56	85.86
126	Hoboken, N. J.....	4,466	3,481	691	7	9,643	65.52	51.07	10.14	141.46
127	Berkeley, Calif.....	3,836	2,549	179	1,191	3,892	57.25	38.05	2.67	58.09
128	Altoona, Pa.....	2,069	1,514	210	751	3,662	30.88	22.59	3.14	54.66
129	Mobile, Ala.....	1,850	1,475	264	1,421	4,362	27.77	22.14	3.97	65.49
130	Shreveport, La.....	2,720	1,663	341	1,093	6,152	44.95	27.49	5.63	94.07
131	Cicero, Ill.....	2,618	1,647	219	1,255	1,356	40.04	25.18	3.35	20.74
132	Brockton, Mass.....	3,728	2,591	239	527	3,616	57.06	39.64	3.66	55.34
133	Bethlehem, Pa.....	2,535	1,492	348	573	6,851	39.36	23.16	5.40	106.38
134	Huntington, W. Va.....	3,274	1,769	184	1,276	3,327	50.99	27.56	2.87	51.83
135	Springfield, Ill.....	3,644	2,131	160	1,635	1,864	56.93	33.29	2.50	29.12
136	Union City, N. J.....	2,558	2,055	259	165	2,992	40.22	32.31	4.07	47.04
137	Quincy, Mass.....	4,220	2,793	330	2,339	5,078	66.98	44.32	5.24	80.60
138	Roanoke, Va.....	2,022	1,406	278	564	5,558	32.66	22.70	4.49	89.79
139	Lincoln, Nebr.....	3,662	2,395	290	1,802	3,809	59.35	38.83	4.69	61.73
140	East Orange, N. J.....	3,554	2,573	324	1,132	4,981	57.60	41.72	5.25	80.73
141	Holyoke, Mass.....	4,761	3,570	255	1,356	4,407	78.70	59.01	4.22	72.84
142	Portsmouth, Va.....	1,750	1,125	557	545	8,224	29.22	18.78	9.30	137.29
143	Jackson, Mich.....	2,456	1,494	254	796	5,517	41.13	25.02	4.26	92.41
144	Lakewood, Ohio.....	3,587	2,241	507	598	7,441	60.29	37.66	8.53	125.06
145	Topeka, Kans.....	2,722	1,694	146	1,678	2,195	45.75	28.47	2.44	36.90

<sup>1</sup> Current expenses of Government departments and public-service enterprises exclusive of interest.

**No. 233.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF CITIES HAVING 30,000 TO 100,000 INHABITANTS, 1926—Continued**

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Current expenses	Interest	Outlays	Net debt	Total revenue receipts	Current expenses	Interest	Net debt
146	Fresno, Calif.	2,585	2,324	141	275	3,332	43.52	39.13	2.37	56.10
147	Macon, Ga.	2,024	1,411	118	327	2,497	34.19	23.84	1.99	42.18
148	Wichita Falls, Tex.	1,729	975	437	776	7,293	(?)	(?)	(?)	(?)
149	Covington, Ky.	1,623	1,292	151	119	3,139	27.74	22.08	2.59	53.67
150	Niagara Falls, N. Y.	4,342	2,648	531	2,143	11,241	74.48	45.42	9.11	192.81
151	Pasadena, Calif.	8,351	4,564	508	4,899	11,033	145.23	79.38	8.83	191.87
152	Lancaster, Pa.	1,558	1,302	133	594	2,744	27.29	22.80	2.34	48.06
153	Wheeling, W. Va.	2,898	1,860	239	912	4,021	53.34	33.09	4.08	71.54
154	Augusta, Ga.	2,342	1,549	155	563	2,365	42.04	27.82	2.77	60.41
155	Newton, Mass.	4,476	3,340	313	1,327	4,142	81.83	61.06	5.72	75.72
156	Kalamazoo, Mich.	2,717	1,781	203	1,077	2,802	49.86	32.81	3.73	61.42
157	Decatur, Ill.	2,203	1,470	216	1,381	2,384	40.64	27.12	3.99	43.99
158	Charlotte, N. C.	2,604	1,619	437	1,343	7,237	48.41	30.10	8.11	134.51
159	Atlantic City, N. J.	6,463	5,177	897	2,785	17,669	119.96	96.22	16.68	328.97
160	Oak Park, Ill.	3,292	1,828	267	1,128	2,667	61.54	34.18	4.98	49.86
161	Kenosha, Wis.	3,149	1,714	144	1,759	2,293	59.75	32.51	2.74	60.79
162	Davenport, Iowa	2,437	1,649	141	421	2,683	46.25	31.43	2.68	61.17
163	Malden, Mass.	2,543	1,936	206	348	2,340	48.53	36.96	3.92	44.67
164	Hammond, Ind.	3,636	1,983	139	1,516	2,444	69.52	37.92	2.66	46.73
165	Mount Vernon, N. Y.	3,777	2,896	437	1,234	9,424	72.78	55.81	8.42	181.68
166	Beaumont, Tex.	1,716	1,204	267	646	5,078	23.26	23.33	5.17	98.41
167	Cedar Rapids, Iowa	2,236	1,450	161	605	3,399	43.39	28.45	2.14	66.26
168	Woonsocket, R. I.	2,469	1,582	445	1,161	7,010	48.29	30.96	8.71	137.19
169	New Castle, Pa.	1,715	1,202	137	547	2,483	33.82	23.70	2.71	48.98
170	Charleston, W. Va.	1,953	1,223	185	1,046	2,682	39.14	24.51	3.71	59.26
171	Pontiac, Mich.	2,964	1,719	281	918	4,111	59.92	34.50	5.64	82.55
172	Medford, Mass.	2,596	1,816	185	978	3,003	52.23	36.53	3.73	60.41
173	McKeesport, Pa.	2,022	1,471	133	592	2,189	40.85	29.73	2.68	43.21
174	York, Pa.	1,573	1,060	101	710	1,971	31.85	21.45	2.06	39.89
175	Haverhill, Mass.	2,594	2,043	106	731	1,543	52.70	41.49	2.14	31.35
176	Bay City, Mich.	2,457	1,730	278	266	4,013	50.15	35.29	5.67	81.90
177	Elmira, N. Y.	2,344	1,767	155	253	3,437	47.83	36.07	3.16	70.14
178	Newport News, Va.	1,268	814	183	3,481	6,148	25.99	16.69	3.75	125.98
179	Stockton, Calif.	2,974	1,855	225	1,130	4,221	55.02	38.19	4.63	86.84
180	Galveston, Tex.	2,127	1,422	308	1,340	8,154	43.95	29.38	6.37	168.48
181	Chelsea, Mass.	2,550	1,978	259	438	2,750	52.90	41.03	5.38	57.04
182	Perth Amboy, N. Y.	2,241	1,652	436	656	5,660	46.66	34.34	9.07	117.68
183	Pittsfield, Mass.	2,302	1,572	127	559	2,388	47.86	32.69	2.63	49.65
184	Greensboro, N. C.	2,118	1,030	505	2,459	7,799	44.32	21.54	10.57	163.17
185	Montgomery, Ala.	1,459	1,052	303	424	3,918	30.51	22.00	6.35	81.99
186	Lima, Ohio	2,035	1,243	453	173	5,862	42.67	26.06	9.49	123.31
187	Madison, Wis.	3,489	2,325	301	1,501	4,896	72.89	48.86	6.32	102.85
188	Lexington, Ky.	1,693	1,135	128	330	1,975	35.63	23.90	2.69	41.68
189	East Chicago, Ill.	2,764	1,419	238	1,128	4,287	58.44	30.01	4.82	90.64
190	Aurora, Ill.	1,856	1,139	146	585	1,239	40.41	24.81	3.19	27.00
191	New Rochelle, N. Y.	4,009	2,114	310	1,186	6,638	87.54	67.99	6.77	144.94
192	Evansston, Ill.	3,499	2,188	292	1,139	2,794	77.57	48.52	5.80	61.95
193	Columbus, Ga.	1,456	1,049	128	610	2,197	32.35	23.32	2.84	48.42
194	Muncie, Ind.	1,418	1,006	73	269	1,305	31.73	22.47	1.64	29.20
195	Waco, Tex.	1,800	1,261	198	547	3,277	40.37	28.26	4.43	73.48
196	Jamestown, N. Y.	3,299	1,893	214	1,058	3,835	74.26	42.73	4.83	86.58
197	Muskegon, Mich.	2,382	1,428	238	1,301	3,639	53.78	32.24	5.38	88.92
198	Fitchburg, Mass.	2,284	1,783	149	428	2,580	51.72	40.35	3.37	57.91
199	San Jose, Calif.	2,688	1,764	124	1,285	2,436	61.18	35.93	2.81	55.25
200	Pueblo, Colo.	2,220	1,390	293	426	3,655	50.56	31.67	6.67	69.69
201	Brookline, Mass.	3,623	2,612	180	797	2,069	82.53	59.50	4.09	47.12
202	Chicopee, Mass.	2,354	1,633	97	603	1,963	54.62	37.88	2.26	45.53
203	Lorain, Ohio	1,855	1,114	209	266	3,645	45.35	25.84	6.04	84.57
204	Waltham, Pa.	1,477	1,039	70	451	1,516	34.26	24.11	1.62	35.18
205	Batte, Mont.	1,199	899	141	118	1,647	27.95	20.72	3.29	38.40

\* Not computed.

**No. 283.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF CITIES HAVING 30,000 TO 100,000 INHABITANTS, 1926—Continued**

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Current expenses	Interest	Outlays	Net debt	Total revenue receipts	Current expenses	Interest	Net debt
206	Salem, Mass.....	2,274	1,750	120	148	2,038	53.01	40.79	2.81	47.49
207	Hamilton, Ohio.....	2,862	1,708	261	530	3,337	66.87	39.90	6.09	77.98
208	Durham, N. C.....	1,673	1,028	298	2,136	5,633	39.09	24.00	6.97	131.60
209	Battle Creek, Mich.....	1,819	1,210	71	400	1,115	42.69	28.41	1.68	26.17
210	Everett, Mass.....	2,360	1,795	199	224	1,756	55.52	42.22	4.69	41.33
211	Springfield, Mo.....	1,174	932	35	205	644	27.68	21.99	.83	15.20
212	Columbia, S. C.....	1,409	1,047	192	183	2,454	33.70	25.06	4.59	58.71
213	Stamford, Conn.....	2,393	1,762	225	1,005	3,776	57.39	42.26	5.39	90.55
214	Dubuque, Iowa.....	1,878	1,091	138	603	2,775	45.47	26.41	3.34	67.19
215	Joliet, Ill.....	1,912	1,248	165	341	1,640	46.64	30.45	4.02	40.01
216	Council Bluffs, Iowa.....	2,031	1,120	107	754	2,086	50.39	27.78	2.67	51.76
217	Rock Island, Ill.....	1,326	791	109	511	338	32.89	19.62	2.69	8.38
218	Portsmouth, Ohio.....	1,665	945	275	584	3,591	41.82	23.74	6.91	90.23
219	Taunton, Mass.....	2,389	1,721	156	653	2,331	60.17	43.37	3.92	58.71
220	Superior, Wis.....	1,653	1,407	102	115	2,151	41.66	35.47	2.57	54.23
221	Quincy, Ill.....	1,544	898	50	779	338	39.48	22.96	1.28	8.64
222	New Brunswick, N. J.....	1,993	1,474	241	1,025	3,435	51.24	37.88	6.19	88.30
223	Lynchburg, Va.....	1,690	1,109	216	1,323	3,885	43.89	28.80	5.62	100.91
224	Austin, Tex.....	1,978	1,448	157	367	2,833	51.77	37.88	4.12	74.17
225	Kokomo, Ind.....	1,061	660	33	325	558	27.92	17.38	.87	14.68
226	Ogden, Utah.....	1,720	985	270	313	3,536	45.73	26.21	7.18	94.04
227	Easton, Pa.....	1,461	1,087	158	1,274	3,953	39.06	29.07	4.22	105.69
228	Wilmington, N. C.....	1,133	850	173	330	3,375	30.37	22.78	4.63	90.49
229	Danville, Ill.....	1,222	707	70	283	954	32.84	18.99	1.88	25.65
230	Waterloo, Iowa.....	1,642	1,064	150	170	2,642	44.51	28.84	4.05	71.60
231	Hazleton, Pa.....	1,118	834	110	320	2,760	30.39	22.65	3.00	74.99
232	Petersburg, Va.....	1,022	780	191	282	3,134	28.32	21.60	5.29	86.81
233	Poughkeepsie, N. Y.....	1,814	1,339	176	437	2,460	50.68	37.40	4.92	68.72
234	Orange, N. J.....	1,686	1,361	191	1,338	3,322	47.10	38.00	5.35	92.91
235	Waltham, Mass.....	2,061	1,470	111	985	2,303	57.75	41.18	3.11	64.50
236	Auburn, N. Y.....	1,384	1,143	66	215	952	38.81	32.05	1.85	26.68
237	Amsterdam, N. Y.....	1,487	1,156	144	347	2,002	41.76	32.48	4.03	56.24
238	Norristown, Pa.....	833	640	49	183	984	23.59	18.11	1.40	27.87
239	Lewiston, Me.....	963	736	64	99	1,392	27.51	21.04	1.82	39.77
240	Green Bay, Wis.....	1,602	1,076	138	239	2,551	45.89	30.82	3.95	73.08
241	St. Petersburg, Fla.....	4,635	2,360	485	7,128	10,390	134.35	68.40	14.07	301.15
242	Moline, Ill.....	1,382	870	95	301	353	40.52	25.50	2.80	10.34
243	Sheboygan, Wis.....	2,049	1,153	73	714	992	60.28	33.91	2.16	29.18
244	Elgin, Ill.....	1,306	821	97	831	1,064	38.41	24.15	2.85	31.89
245	Oshkosh, Wis.....	1,723	1,247	75	481	1,585	51.91	37.57	2.25	47.74
246	Watertown, N. Y.....	1,765	1,225	145	600	3,280	53.50	37.14	4.39	99.38
247	Muskogee, Okla.....	1,409	908	221	30	2,195	43.64	28.10	6.85	67.94
248	Newburgh, N. Y.....	1,288	1,060	84	253	1,055	42.38	34.88	2.75	34.70
249	La Crosse, Wis.....	1,519	1,060	97	322	1,379	49.96	34.86	3.19	45.38
250	Colorado Springs, Colo..	2,692	1,781	271	323	5,124	89.43	59.16	9.00	170.20

Source: Bureau of the Census, Department of Commerce.



## No. 234.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS

[NOTE.—Amounts, except per capita, in thousands of dollars. Minus sign indicates excess of payments.

City number in order of size	City	Total revenue receipts	Total cost payments	Current expenses and interest				Outlays for permanent improvements	Excess of revenues over—	
				Total	General department	Public-service enterprises	Interest		Total payments	Payments except outlays
1	New York, N. Y.	510,728	507,615	410,170	313,830	14,510	81,840	97,436	2,913	100,549
2	Chicago, Ill.	226,813	234,621	184,165	128,507	8,449	13,309	84,456	-7,808	78,648
3	Philadelphia, Pa.	121,908	174,907	100,808	80,407	3,297	17,102	76,081	-55,989	20,102
4	Detroit, Mich.	121,724	150,444	89,344	50,306	22,600	10,388	61,100	-28,720	32,380
5	Cleveland, Ohio	73,528	71,067	51,360	38,082	4,263	8,985	21,097	471	22,168
6	St. Louis, Mo.	42,900	46,198	33,127	29,263	2,270	1,564	13,090	-3,206	9,778
7	Baltimore, Md.	40,236	48,445	34,665	20,663	2,238	3,764	13,700	-8,209	5,531
8	Boston, Mass.	78,156	73,418	57,986	47,084	2,849	7,253	15,432	4,737	20,169
9	Los Angeles, Calif.	116,790	142,096	70,407	52,063	9,754	8,590	71,668	-25,305	46,363
10	Pittsburgh, Pa.	46,761	47,291	38,606	32,720	1,930	4,456	15,685	-7,530	8,155
11	San Francisco, Calif.	44,902	44,225	31,210	24,566	2,962	3,680	13,015	677	13,692
12	Buffalo, N. Y.	39,992	44,890	34,967	30,026	1,690	3,211	13,693	-8,806	4,995
13	Washington, D. C.	35,356	33,801	27,949	25,100	849	(1)	7,852	1,554	9,406
14	Milwaukee, Wis.	36,628	42,498	26,811	23,216	1,599	1,994	15,697	-5,870	9,617
15	Newark, N. J.	34,871	39,688	30,515	24,733	1,915	3,867	9,173	-4,617	4,556
16	Minneapolis, Minn.	27,268	30,480	20,961	17,264	621	3,076	9,499	-3,272	6,227
17	New Orleans, La.	22,152	25,754	16,237	11,236	2,435	2,566	9,517	-1,602	8,915
18	Cincinnati, Ohio	32,549	31,176	23,904	17,552	1,216	5,135	7,273	1,373	8,646
19	Kansas City, Mo.	21,271	31,400	18,462	14,946	1,748	1,768	12,938	-10,129	2,809
20	Seattle, Wash.	37,644	38,261	27,650	14,149	9,790	3,711	10,611	-617	9,994
21	Indianapolis, Ind.	19,394	17,521	14,011	12,517	29	1,465	3,510	-1,673	5,283
22	Rochester, N. Y.	28,467	28,031	19,867	16,877	603	2,297	8,164	-4,564	3,600
23	Jersey City, N. J.	22,942	28,231	22,401	17,390	1,052	3,959	5,830	-4,289	1,541
24	Louisville, Ky.	14,084	15,146	9,780	8,160	687	913	5,396	-1,112	4,274
25	Akron, Ohio	10,810	14,130	8,175	5,648	375	2,152	5,965	-3,320	2,635
26	Toledo, Ohio	14,008	15,107	11,335	8,645	806	1,894	3,773	-1,009	2,763
27	Portland, Oreg.	16,432	20,954	13,290	8,733	2,315	2,241	7,665	-4,522	3,143
28	Columbus, Ohio	14,225	14,578	11,021	7,781	936	2,314	3,547	-353	3,194
29	Denver, Colo.	17,456	20,953	14,132	11,556	770	1,807	6,820	-3,497	3,323
30	Providence, R. I.	13,214	15,196	11,047	9,041	503	1,503	4,149	-1,982	2,167
31	Oakland, Calif.	15,367	18,193	9,958	8,665	299	691	8,228	-2,816	5,412
32	St. Paul, Minn.	13,362	15,968	10,521	8,089	682	1,750	5,467	-2,626	2,841
33	Atlanta, Ga.	10,488	10,480	7,656	6,444	549	663	2,824	8	2,832
34	Omaha, Neb.	13,848	16,549	10,651	6,795	1,942	1,914	5,898	2,661	3,237
35	Birmingham, Ala.	8,145	9,992	5,659	4,595	148	916	4,332	-1,847	2,486
36	San Antonio, Tex.	7,024	9,653	6,106	4,395	494	1,236	3,548	2,629	919
37	Dallas, Tex.	8,925	12,216	6,871	5,265	490	1,036	5,345	-3,291	2,054
38	Worcester, Mass.	12,630	11,953	9,752	8,732	346	674	2,301	677	2,678
39	Richmond, Va.	10,147	11,257	8,268	5,148	1,121	1,939	3,049	-1,110	1,939
40	Syracuse, N. Y.	11,507	13,625	8,803	7,461	329	1,064	4,732	-2,118	2,614
41	New Haven, Conn.	8,351	8,465	6,780	6,218	4	558	1,065	-114	1,551
42	Memphis, Tenn.	8,246	8,437	6,811	5,019	467	1,125	1,826	-191	1,435
43	Canton, Ohio	8,409	10,736	6,147	4,992	222	943	4,569	2,327	2,262
44	Norfolk, Va.	7,093	404	6,302	3,840	373	1,989	1,202	-311	891
45	Houston, Tex.	8,695	13,065	6,942	5,325	336	1,281	6,143	-4,390	1,753
46	Bridgeport, Conn.	6,991	7,763	5,941	5,317	9	615	1,822	-772	1,050
47	Youngstown, Ohio	8,563	8,450	5,297	4,063	399	665	3,153	113	3,266
48	Hartford, Conn.	10,284	10,416	8,037	6,567	664	796	2,379	-132	2,511
49	Fort Worth, Tex.	5,110	6,859	4,164	3,169	246	149	2,965	-1,749	986
50	Grand Rapids, Mich.	9,536	12,187	6,536	5,521	353	662	5,651	2,651	3,000
51	Springfield, Mass.	10,393	9,928	8,700	7,198	372	740	1,623	490	2,093
52	Des Moines, Iowa	7,868	9,442	6,112	5,003	277	832	3,330	-1,574	1,756
53	Scranton, Pa.	6,674	6,177	4,436	4,194	(1)	242	741	497	1,238
54	Paterson, N. J.	7,121	10,939	6,180	4,366	(1)	843	4,770	3,798	962
55	Jacksonville, Fla.	6,878	8,809	5,570	3,408	1,475	687	2,719	-1,433	1,306
56	Nashville, Tenn.	4,796	5,277	3,778	2,852	200	698	1,499	-481	1,018
57	Trenton, N. J.	6,519	7,668	5,791	4,648	519	625	2,077	-1,599	529
58	Salt Lake City, Utah	5,864	7,519	4,594	3,715	296	593	925	345	1,270
59	Tulsa, Okla.	7,525	7,748	4,647	2,782	273	982	3,791	-411	3,280
60	Flint, Mich.	7,271	7,896	4,807	3,704	401	800	2,991	773	2,218
61	Fall River, Mass.	6,969	7,837	5,299	4,280	318	751	1,538	-878	660
62	Camden, N. J.	5,999	7,007	4,083	3,904	298	771	2,012	-1,076	936
63	Mobile, Ala.	6,691	16,040	7,789	6,603	261	906	8,991	-10,059	-1,168
64	Wilmington, Del.	4,655	4,550	3,674	2,809	182	483	885	-504	381
65	Freeport, N. Y.	5,061	5,436	3,586	2,806	173	409	1,848	345	1,503
66	Cambridge, Mass.	6,785	6,523	5,040	4,901	405	514	683	262	945
67	New Bedford, Mass.	8,158	8,115	6,046	5,029	301	716	2,299	157	2,142
68	Albany, N. Y.	6,659	9,447	5,908	4,766	625	737	3,490	-2,786	704
69	Kansas City, Kans.	7,127	5,757	4,149	2,794	1,420	935	868	1,390	1,978
70	Yonkers, N. Y.	9,695	11,582	7,630	6,396	462	1,082	3,652	-1,887	1,765
71	Reno, Nev.	4,109	4,885	3,213	2,867	225	331	1,672	-776	896
72	Duluth, Minn.	6,819	7,564	4,712	3,474	774	464	2,852	-745	2,107
73	Elizabeth, N. J.	4,766	5,340	3,843	3,394	4	445	1,497	-574	823

¹ Less than \$100.

² Less than one-half of 1 cent.

³ Not reported.



## OF INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1926

Per capita figures not computed for certain cities due to absence of accurate population figures]

Per capita revenue receipts		Per capita governmental-cost payments								City	City number in order of size
		Total, except outlays		General departments		Public-service enterprises		Interest			
1915	1926	1915	1926	1915	1926	1915	1926	1915	1926		
\$38.67	\$86.21	\$35.95	\$69.24	\$25.07	\$52.98	\$1.33	\$2.45	\$9.55	\$13.82	New York.....	1
33.63	74.41	22.99	48.61	19.76	42.16	1.62	2.12	1.61	4.33	Chicago.....	2
27.29	60.21	23.60	50.20	19.39	40.04	1.44	1.64	2.78	8.52	Philadelphia..	3
32.15	96.00	24.16	70.46	21.90	44.40	.70	17.87	1.56	8.19	Detroit.....	4
28.30	76.59	22.62	53.50	17.31	39.67	1.37	4.47	3.95	9.36	Cleveland.....	5
31.62	52.06	22.56	40.20	19.55	35.55	1.84	2.76	1.17	1.90	St. Louis.....	6
27.44	49.80	23.76	42.93	16.96	33.00	1.54	2.77	5.26	7.16	Baltimore.....	7
47.47	99.31	40.72	73.68	30.60	60.84	1.96	3.62	8.15	9.22	Boston.....	8
53.98	-----	32.15	-----	26.30	-----	1.89	-----	3.96	-----	Los Angeles....	9
35.76	73.41	29.22	60.61	22.76	50.58	1.61	3.03	4.84	6.99	Pittsburgh....	10
43.52	79.90	30.48	55.53	24.15	43.72	2.12	5.25	4.22	6.57	San Francisco..	11
33.17	73.92	27.69	64.69	22.84	55.50	1.56	3.07	3.29	6.12	Buffalo.....	12
42.47	67.86	28.99	49.81	26.91	48.18	1.38	1.63	.70	(?)	Washington....	13
30.10	70.85	21.97	51.86	19.82	44.91	.78	3.09	1.36	3.86	Milwaukee.....	14
31.03	75.97	28.91	66.48	22.32	53.88	1.39	4.17	5.19	8.43	Newark.....	15
30.52	62.69	22.38	48.34	18.57	39.83	.86	1.43	2.96	7.09	Minneapolis...	16
22.65	52.87	19.66	38.75	13.46	26.82	1.51	5.81	4.69	6.12	New Orleans...	17
34.28	79.19	30.58	58.16	22.38	42.71	1.40	2.96	6.81	12.49	Cincinnati....	18
36.18	57.49	21.39	49.90	17.47	40.40	1.98	4.72	1.94	4.78	Kansas City...	19
47.65	-----	30.04	-----	20.15	-----	3.13	-----	6.76	-----	Seattle.....	20
22.93	52.85	16.32	38.18	15.51	34.10	.09	.08	.72	3.99	Indianapolis...	21
30.23	73.11	23.55	61.89	19.08	52.58	1.30	2.16	3.17	7.16	Rochester.....	22
23.15	75.29	18.90	70.44	13.51	54.69	1.21	3.31	4.18	12.45	Jersey City...	23
24.86	45.56	19.00	31.69	15.16	26.49	1.45	2.23	2.40	2.96	Louisville.....	24
23.03	-----	18.83	-----	13.42	-----	1.19	-----	4.22	-----	Akron.....	25
23.27	47.79	18.05	38.42	13.27	29.30	1.92	2.73	2.86	6.39	Toledo.....	26
38.17	-----	25.15	-----	15.50	-----	3.23	-----	6.42	-----	Portland.....	27
24.52	49.91	19.53	38.71	13.76	27.30	2.00	3.28	3.77	8.12	Columbus.....	28
25.93	61.25	20.91	49.59	18.72	40.55	.11	2.70	2.07	6.34	Denver.....	29
26.74	48.40	21.42	40.46	17.07	33.12	1.25	1.84	3.09	5.50	Providence....	30
32.89	59.79	20.61	38.73	18.18	34.88	.13	1.16	2.30	2.69	Oakland.....	31
22.21	53.88	19.85	42.42	15.82	32.62	1.11	2.75	2.92	7.06	St. Paul.....	32
21.16	-----	15.89	-----	13.41	-----	1.29	-----	1.19	-----	Atlanta.....	33
29.91	64.29	23.46	49.31	15.72	31.46	2.01	8.99	5.73	8.86	Omaha.....	34
16.52	38.97	12.11	27.08	8.92	21.99	.21	.71	2.98	4.38	Birmingham...	35
17.00	34.96	15.13	30.38	12.26	21.82	.08	2.46	2.79	6.10	San Antonio...	36
30.26	45.07	17.68	34.70	13.36	26.69	1.57	2.48	2.75	5.54	Dallas.....	37
29.53	65.44	23.59	50.53	19.61	45.24	.73	1.79	3.25	3.49	Worcester.....	38
28.77	53.69	22.76	43.43	15.07	27.24	3.48	5.93	4.20	10.26	Richmond.....	39
26.00	62.20	19.82	48.07	16.03	40.44	.78	1.77	3.01	5.86	Syracuse.....	40
20.46	45.88	16.39	37.25	15.24	34.17	.01	.02	1.13	3.07	New Haven....	41
22.50	46.59	20.76	38.48	14.29	28.35	1.87	2.64	4.60	7.49	Memphis.....	42
24.01	47.51	16.69	34.73	13.08	28.21	1.01	1.25	2.59	5.27	Dayton.....	43
21.76	40.77	19.97	35.65	13.85	22.07	1.36	2.14	4.76	11.43	Norfolk.....	44
26.36	-----	19.30	-----	13.70	-----	.88	-----	4.72	-----	Houston.....	45
20.09	-----	15.60	-----	14.58	-----	.01	-----	1.01	-----	Bridgeport....	46
20.97	51.90	13.91	32.10	10.84	24.62	1.08	2.23	1.98	5.25	Youngstown...	47
33.38	63.88	26.23	49.92	20.92	40.79	1.54	4.25	3.77	4.88	Hartford.....	48
17.93	32.34	15.25	26.35	9.26	20.18	2.83	1.56	3.15	4.74	Fort Worth...	49
24.84	61.92	16.90	42.44	14.05	35.85	1.28	2.29	1.58	4.30	Grand Rapids..	50
36.07	71.61	30.56	57.24	24.48	49.57	2.78	2.56	3.29	5.10	Springfield...	51
21.05	54.64	17.78	42.44	15.78	34.74	.37	1.92	1.64	5.78	Des Moines....	52
14.27	39.68	12.01	31.02	10.54	29.32	(?)	(?)	1.47	1.69	Scranton.....	53
16.80	50.01	13.70	43.14	11.64	37.52	.01	(?)	2.04	5.62	Paterson.....	54
27.41	-----	21.93	-----	14.60	-----	5.69	-----	1.64	-----	Jacksonville...	55
19.01	35.01	17.66	27.58	13.33	20.82	1.72	1.90	2.61	4.86	Nashville.....	56
21.76	47.16	18.23	43.22	12.94	34.69	2.26	3.87	3.02	4.66	Trenton.....	57
27.29	44.09	19.90	34.54	15.00	27.93	1.84	2.15	3.04	4.45	Salt Lake City	58
(?)	55.51	(?)	30.58	(?)	21.08	(?)	2.07	(?)	7.43	Tulsa.....	59
19.12	54.37	11.01	37.44	8.34	28.27	1.13	3.06	1.54	6.11	Flint.....	60
22.59	53.12	17.95	48.08	14.26	39.93	1.20	2.42	2.48	5.73	Fall River....	61
17.18	45.79	15.95	38.65	12.43	30.49	.96	2.28	2.56	5.88	Camden.....	62
(?)	51.98	(?)	61.18	(?)	51.99	(?)	2.06	(?)	7.13	Miami.....	63
14.93	32.97	12.45	29.87	9.46	22.84	.97	3.10	2.02	3.93	Wilmington...	64
19.45	-----	13.08	-----	10.92	-----	1.39	-----	.77	-----	Erie.....	65
29.42	56.08	25.27	48.27	18.50	40.51	1.59	3.35	5.17	4.41	Cambridge....	66
27.97	68.25	21.18	50.57	15.91	42.07	1.33	2.52	3.94	5.99	New Bedford...	67
28.69	55.96	21.97	50.07	16.80	38.62	2.14	5.25	3.03	6.19	Albany.....	68
22.72	60.91	16.96	44.00	10.56	23.88	2.39	12.13	4.02	7.99	Kansas City...	69
27.85	83.58	30.63	68.36	23.63	55.05	1.62	3.98	5.38	9.33	Yonkers.....	70
13.53	34.65	11.61	28.18	9.03	23.31	1.88	1.97	.71	2.90	Reading.....	71
24.50	60.34	21.84	41.70	13.90	30.74	3.87	6.85	3.77	4.11	Duluth.....	72
17.31	-----	13.84	-----	11.68	-----	.04	-----	2.11	-----	Elizabeth.....	73

**No. 234.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF**  
 [Amounts, except per capita,

City number in order of size	City	Total revenue receipts	Total cost payments	Current expenses and interest				Outlays for permanent improvements	Excess of revenue over	
				Total	General departments	Public-service enterprises	Interest		Total payments	Payments except outlays
74	Lowell, Mass.	5,001	5,609	5,087	4,263	403	401	542	392	934
75	San Diego, Calif.	10,157	10,949	5,556	4,235	581	760	5,368	-792	4,601
76	Canton, Ohio.	5,430	7,059	3,530	2,398	198	934	3,529	-1,529	1,900
77	Spokane, Wash.	4,849	4,421	3,817	3,398	188	291	604	428	1,032
78	Oklahoma City, Okla.	5,916	5,085	3,992	2,999	251	772	1,093	831	1,924
79	Tacoma, Wash.	7,563	8,628	5,178	2,940	1,581	657	3,450	-1,065	2,385
80	El Paso, Tex.	2,637	3,115	2,716	2,097	191	428	399	-478	79
81	Waterbury, Conn.	5,467	6,391	4,899	4,066	108	725	1,492	-924	568
82	Lynn, Mass.	5,275	5,113	4,058	3,420	292	346	1,055	162	1,217
83	Utica, N. Y.	4,888	6,006	3,880	3,457	1	431	2,117	-1,118	999
84	Fort Wayne, Ind.	5,506	5,097	3,496	2,609	662	227	2,199	-192	2,007
85	Somerville, Mass.	3,916	3,731	3,255	2,873	140	241	476	185	661

\* Less than one-half of 1 cent.

**No. 235.—PRINCIPAL SOURCES OF REVENUE RECEIPTS OF**

[NOTE.—For total revenue receipts, see Table 234. Receipts from borrowing are not included.

City number in order of size	City	Amount of revenue receipts (thousands of dollars) from—							
		Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other
		General property	License	Other		General departments	Public-service enterprises		
1	New York, N. Y.	336,126	14,302	29,767	20,226	5,976	34,003	37,078	32,650
2	Chicago, Ill.	140,829	8,335	97	26,885	7,490	12,343	12,595	7,219
3	Philadelphia, Pa.	82,750	1,172	100	2,408	4,473	7,360	18,037	4,202
4	Detroit, Mich.	63,916	2,359	931	11,473	4,096	32,274	1,440	5,435
5	Cleveland, Ohio.	48,306	1,763	289	6,966	3,009	8,586	3,348	1,231
6	St. Louis, Mo.	27,665	2,891		3,269	1,603	3,744	2,455	1,183
7	Baltimore, Md.	27,588	1,396	762	849	653	4,488	2,974	1,526
8	Boston, Mass.	55,476	538	6,421	887	2,366	4,287	4,929	1,251
9	Los Angeles, Calif.	58,433	4,360		21,943	2,743	20,647	3,161	5,563
10	Pittsburgh, Pa.	37,144	417	329	761	1,116	3,062	2,308	1,624
11	San Francisco, Calif.	29,700	1,978		3,002	1,234	5,372	982	2,634
12	Buffalo, N. Y.	27,952	1,221	1,258	2,223	773	2,813	923	2,829
13	Washington, D. C.	17,940	3,839	6	741	1,489	1,294	131	9,916
14	Midwaukee, Wis.	22,678	703	3,590	2,973	1,590	2,126	854	2,138
15	Newark, N. J.	23,645	1,304	280	1,117	1,294	2,598	1,921	2,712
16	Minneapolis, Minn.	19,671	358	138	2,910	799	996	618	1,721
17	New Orleans, La.	14,493	1,207	92	1,027	665	3,227	484	873
18	Cincinnati, Ohio	21,065	1,533	479	597	1,409	2,478	3,993	995
19	Kansas City, Mo.	14,124	1,267		755	814	2,172	1,345	794
20	Seattle, Wash.	10,241	177		4,972	772	12,980	295	2,207
21	Indianapolis, Ind.	15,725	200	43	1,794	589	49	191	803
22	Rochester, N. Y.	14,828	765	881	2,406	707	1,543	511	1,826
23	Jersey City, N. J.	16,110	1,208	123	234	532	2,773	1,287	1,669
24	Louisville, Ky.	8,865	765		1,083	439	1,959	346	577
25	Akron, Ohio	6,683	415	37	1,436	281	1,269	406	283
26	Coele, Ohio	9,594	619	172	1,163	363	1,384	634	256
27	Portland, Oreg.	8,257	297		2,791	244	2,488	468	1,892
28	Columbus, Ohio	8,979	608	140	1,220	357	1,447	821	253
29	Denver, Colo.	11,268	451		1,573	816	2,369	631	345
30	Providence, R. I.	9,920	74	94	31	397	1,514	732	373
31	Oakland, Calif.	8,504	280		3,264	234	229	175	2,662
32	St. Paul, Minn.	8,139	544	42	1,714	234	1,075	654	638
33	Atlanta, Ga.	5,406	673	82	1,279	294	1,876	360	535
34	Omaha, Nebr.	7,828	218		1,296	244	3,615	457	290
35	Birmingham, Ala.	4,394	1,044		1,757	251	174	224	1,301
36	San Antonio, Tex.	4,528	74		106	154	1,150	163	549
37	Dallas, Tex.	5,462	33		499	522	1,415	398	596
38	Worcester, Mass.	5,264	58	1,842	201	769	939	219	325
39	Richmond, Va.	5,588	841	82	124	126	2,364	641	381
40	Syracuse, N. Y.	7,349	291	506	1,330	206	863	194	765
41	New Haven, Conn.	7,139	64	187	129	259	7	231	335

## INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1926—Continued

in thousands of dollars]

Per capita revenue receipts		Per capita governmental-cost payments								City	City number in order of size
		Total, except outlays		General departments		Public-service enterprises		Interest			
1915	1926	1915	1926	1915	1926	1915	1926	1915	1926		
\$20. 83	\$54. 41	\$18. 22	\$45. 94	\$14. 61	\$38. 65	\$1. 50	\$3. 65	\$2. 10	\$3. 64	Lowell.....	74
68. 01	92. 34	39. 62	50. 51	26. 04	38. 50	5. 77	5. 10	7. 81	6. 91	San Diego.....	75
16. 74	49. 36	12. 91	32. 09	9. 72	21. 81	. 98	1. 80	2. 21	8. 49	Canton.....	76
27. 84	44. 49	19. 51	35. 02	13. 33	30. 62	1. 24	1. 73	4. 95	2. 67	Spokane.....	77
14. 56	-----	13. 34	-----	9. 05	-----	. 62	-----	3. 67	-----	Oklahoma City.....	78
37. 10	71. 35	23. 34	48. 85	14. 19	27. 74	3. 25	14. 91	5. 90	6. 20	Tacoma.....	79
29. 63	24. 88	19. 50	25. 62	13. 83	19. 78	2. 57	1. 80	3. 10	4. 04	El Paso.....	80
19. 19	-----	15. 78	-----	13. 54	-----	. 37	-----	1. 88	-----	Waterbury.....	81
24. 86	50. 72	19. 58	39. 02	14. 95	32. 89	2. 06	2. 81	2. 57	3. 33	Lynn.....	82
20. 14	47. 46	15. 30	37. 76	14. 03	33. 56	-----	( <sup>9</sup> )	1. 27	4. 19	Utica.....	83
25. 73	55. 05	13. 72	34. 98	10. 58	26. 09	2. 65	6. 62	. 50	2. 27	Fort Wayne..	84
22. 84	39. 16	19. 43	32. 55	16. 25	28. 73	. 81	1. 40	2. 37	2. 42	Somerville....	85

Source: Bureau of the Census, Department of Commerce.

## INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1926

Per capita figures not computed for certain cities owing to absence of accurate population figures]

Per capita revenue receipts (dollars) from—								City	City number in order of size
Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other		
General property	License	Other		General departments	Public-service enterprises				
56.74	2.41	5.02	3.41	1.01	5.84	6.26	5.52	New York, N. Y.	1
49.16	2.73	.03	9.48	2.46	4.06	4.13	2.37	Chicago, Ill.	2
41.21	.58	.05	1.40	2.23	3.67	8.98	2.10	Philadelphia, Pa.	3
50.41	1.86	.73	8.89	3.23	25.45	1.14	4.29	Detroit, Mich.	4
50.32	1.84	.30	7.29	3.13	8.94	3.49	1.29	Cleveland, Ohio	5
33.57	3.51	-----	3.97	2.05	4.54	2.98	1.44	St. Louis, Mo.	6
34.14	1.73	.94	1.05	.81	5.55	3.68	1.89	Baltimore, Md.	7
70.49	.68	10.70	1.13	3.01	5.45	6.26	1.59	Boston, Mass.	8
-----	-----	-----	-----	-----	-----	-----	-----	Los Angeles, Calif.	9
58.31	.65	.52	1.19	1.75	4.81	3.62	2.55	Pittsburgh, Pa.	10
52.85	3.52	-----	5.34	2.20	9.56	1.75	4.68	San Francisco, Calif.	11
51.67	2.26	2.32	4.11	1.43	5.20	1.71	5.23	Buffalo, N. Y.	12
34.43	7.37	.01	1.42	2.86	2.48	.25	19.04	Washington, D. C.	13
43.86	1.36	6.89	5.75	3.09	4.11	1.65	4.14	Milwaukee, Wis.	14
51.51	2.84	.61	2.43	2.82	5.66	4.18	5.91	Newark, N. J.	15
45.33	.83	.31	6.70	1.84	2.29	1.42	3.97	Minneapolis, Minn.	16
34.59	2.88	.22	2.45	1.59	7.70	1.12	2.33	New Orleans, La.	17
51.25	3.73	1.16	1.45	3.43	6.03	9.72	2.42	Cincinnati, Ohio	18
38.17	3.42	-----	2.04	2.20	5.87	3.64	2.14	Kansas City, Mo.	19
-----	-----	-----	-----	-----	-----	-----	-----	Seattle, Wash.	20
42.85	.55	.12	4.89	1.60	.13	.52	2.19	Indianapolis, Ind.	21
46.19	2.38	2.74	7.50	2.20	4.81	1.59	5.69	Rochester, N. Y.	22
50.66	3.80	.39	.75	1.67	8.73	4.05	5.25	Jersey City, N. J.	23
28.78	2.49	-----	3.52	1.42	6.36	1.12	1.88	Louisville, Ky.	24
-----	-----	-----	-----	-----	-----	-----	-----	Akron, Ohio	25
32.42	2.10	.58	3.94	1.03	4.70	2.15	.86	Toledo, Ohio	26
-----	-----	-----	-----	-----	-----	-----	-----	Portland, Oreg.	27
31.50	2.13	.49	4.28	1.25	6.48	2.88	.89	Columbus, Ohio	28
39.53	1.59	-----	5.52	2.86	8.31	2.21	1.21	Denver, Colo.	29
36.37	.27	.24	.48	1.45	5.55	2.68	1.37	Providence, R. I.	30
33.09	1.09	-----	12.77	.91	.89	.68	10.36	Oakland, Calif.	31
32.82	2.16	.17	7.04	.95	4.33	2.64	3.78	St. Paul, Minn.	32
-----	-----	-----	-----	-----	-----	-----	-----	Atlanta, Ga.	33
36.24	1.01	-----	5.72	1.13	16.74	2.12	1.34	Omaha, Nebr.	34
16.24	5.00	-----	8.41	1.20	.83	1.07	6.22	Birmingham, Ala.	35
24.02	.37	-----	.53	.76	5.72	.81	2.73	San Antonio, Tex.	36
27.59	.17	-----	2.52	2.64	7.14	2.01	3.01	Dallas, Tex.	37
42.82	.30	9.54	1.04	4.06	4.87	1.14	1.68	Worcester, Mass.	38
29.57	4.45	.43	.66	.66	12.51	3.39	2.02	Richmond, Va.	39
39.72	1.58	2.74	7.19	1.11	4.67	1.07	4.13	Syracuse, N. Y.	40
39.22	.85	1.03	.71	1.42	.04	1.27	1.84	New Haven, Conn.	41

## No. 235.—PRINCIPAL SOURCES OF REVENUE RECEIPTS OF IND

City number in order of size	City	Amount of revenue receipts (thousands of dollars) from—							
		Taxes			Special assessments and charges for out-lays	Earnings of—		Highway privileges, rents, and interest	All other
		General property	License	Other		General departments	Public-service enterprises		
42	Memphis, Tenn. ....	5,428	418	—	317	199	1,114	126	646
43	Dayton, Ohio. ....	5,938	402	47	396	417	694	279	386
44	Norfolk, Va. ....	4,600	646	34	61	113	999	326	315
45	Houston, Tex. ....	6,732	79	—	17	247	733	343	544
46	Bridgeport, Conn. ....	6,868	23	78	37	187	12	96	191
47	Youngstown, Ohio ....	6,270	298	53	794	106	619	278	145
48	Hartford, Conn. ....	5,937	19	2,099	294	356	1,108	233	243
49	Fort Worth, Tex. ....	3,648	22	—	—	156	702	207	375
50	Grand Rapids, Mich. ....	5,735	79	—	1,692	372	726	144	768
51	Springfield, Mass. ....	7,404	52	1,498	199	256	681	61	232
52	Des Moines, Iowa. ....	5,320	58	—	1,078	121	777	113	201
53	Scranton, Pa. ....	4,324	36	185	264	292	1	85	535
54	Paterson, N. J. ....	4,901	395	57	526	204	—	421	647
55	Jacksonville, Fla. ....	3,256	138	17	109	91	2,833	205	227
56	Nashville, Tenn. ....	2,914	46	—	171	129	586	183	767
57	Trenton, N. J. ....	4,343	117	37	167	196	626	272	539
58	Salt Lake City, Utah. ....	3,636	145	—	461	158	478	81	908
59	Tulsa, Okla. ....	4,337	149	—	1,509	56	746	172	158
60	Flint, Mich. ....	4,387	28	—	761	268	1,048	77	474
61	Fall River, Mass. ....	4,357	35	1,411	35	195	429	122	175
62	Camden, N. J. ....	3,281	526	47	574	91	618	408	454
63	Miami, Fla. ....	3,499	687	13	517	599	352	77	657
64	Wilmington, Del. ....	2,275	114	(1)	168	36	489	67	906
65	Erie, Pa. ....	3,289	21	172	563	67	634	87	266
66	Cambridge, Mass. ....	4,743	44	957	19	213	562	159	88
67	New Bedford, Mass. ....	5,321	37	1,634	113	220	482	112	239
68	Albany, N. Y. ....	4,411	119	372	546	37	702	64	408
69	Kansas City, Kans. ....	3,834	122	—	725	37	2,246	120	43
70	Yonkers, N. Y. ....	7,346	159	389	216	44	737	118	696
71	Reading, Pa. ....	2,831	40	78	139	81	537	116	267
72	Duluth, Minn. ....	4,164	58	23	764	41	1,299	144	226
73	Elizabeth, N. J. ....	3,973	193	31	536	92	5	405	431
74	Lowell, Mass. ....	4,107	22	1,023	52	197	406	28	186
75	San Diego, Calif. ....	4,113	133	—	3,008	210	1,339	199	1,185
76	Canton, Ohio. ....	3,549	214	24	520	145	458	272	217
77	Spokane, Wash. ....	2,766	25	—	196	190	618	97	958
78	Oklahoma City, Okla. ....	3,947	113	—	559	145	659	147	346
79	Tacoma, Wash. ....	2,350	44	—	1,151	165	2,745	189	899
80	El Paso, Tex. ....	1,687	23	—	58	66	437	23	343
81	Waterbury, Conn. ....	4,679	43	76	70	47	386	40	117
82	Lynn, Mass. ....	3,604	42	671	62	197	501	74	124
83	Utica, N. Y. ....	3,395	65	271	574	39	12	54	458
84	Fort Wayne, Ind. ....	3,401	24	48	1,039	79	1,086	50	187
85	Somerville, Mass. ....	2,763	24	502	88	111	302	11	115

1 Less than \$500.

2 Less than one-half of 1 cent.

## No. 236. GOVERNMENTAL-COST PAYMENTS FOR EXPENSES OF THE SEV

(NOTE.—For total expenses of general departments and other governmental-cost payments, see Table

City number in order of size	City	Amount of governmental-cost payments (thousands of dollars) for—							
		General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, corrections	Education		Miscellaneous
							Schools	Libraries	
1	New York, N. Y.	32,838	61,384	34,045	25,898	19,955	107,528	2,496	23,166
2	Chicago, Ill.	14,339	23,980	17,078	10,968	5,777	42,100	1,324	6,766
3	Philadelphia, Pa.	8,873	16,250	8,371	5,134	6,300	23,444	653	6,649
4	Detroit, Mich.	4,176	12,244	6,303	6,608	4,800	17,481	961	1,926
5	Cleveland, Ohio	3,560	6,365	4,409	3,670	1,610	15,031	1,219	1,625
6	St. Louis, Mo.	2,590	7,572	2,116	2,586	2,715	9,617	383	395
7	Baltimore, Md.	1,949	6,533	2,981	3,208	1,567	7,696	311	1,331
8	Boston, Mass.	4,085	9,341	5,197	3,895	4,541	14,537	836	2,844
9	Los Angeles, Calif.	4,815	10,404	3,325	5,500	3,640	21,252	817	988
10	Pittsburgh, Pa.	3,634	5,305	3,435	4,233	2,174	10,968	617	1,442
11	San Francisco, Calif.	2,368	6,937	1,250	1,311	2,721	7,021	203	1,377

## INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1926—Continued

Per capita revenue receipts (dollars) from—								City	City number in order of size
Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other		
General property	License	Other		General departments	Public-service enterprises				
30.67	2.36	-----	1.79	1.12	6.30	0.71	3.64	Memphis, Tenn.....	42
33.55	2.27	0.27	2.23	2.35	3.92	1.57	1.34	Dayton, Ohio.....	43
26.44	3.71	.20	.35	.65	5.74	1.87	1.81	Norfolk, Va.....	44
-----	-----	-----	-----	-----	-----	-----	-----	Houston, Tex.....	45
-----	-----	-----	-----	-----	-----	-----	-----	Bridgeport, Conn.....	46
38.00	1.81	.32	4.81	.64	3.75	1.69	.88	Youngstown, Ohio....	47
36.87	.12	13.05	1.82	2.21	6.85	1.45	1.51	Hartford, Conn.....	48
23.09	.14	-----	-----	.99	4.44	1.31	2.37	Fort Worth, Tex.....	49
37.37	.51	-----	10.98	2.42	4.71	.93	4.99	Grand Rapids, Mich..	50
51.07	.36	10.33	1.37	1.76	4.70	.42	1.60	Springfield, Mass....	51
38.33	.40	-----	7.49	.84	5.40	.78	1.40	Des Moines, Iowa....	52
30.24	.26	.95	1.85	2.04	.01	.59	3.74	Scranton, Pa.....	53
34.27	2.76	.40	3.68	1.43	-----	2.95	4.52	Paterson, N. J.....	54
-----	-----	-----	-----	-----	-----	-----	-----	Jacksonville, Fla.....	55
21.27	.34	-----	1.25	.94	4.28	1.33	5.60	Nashville, Tenn.....	56
32.41	.87	.42	1.24	1.47	4.67	2.03	4.03	Trenton, N. J.....	57
27.34	1.09	-----	3.47	1.19	3.57	.61	6.83	Salt Lake City, Utah..	58
34.37	1.13	-----	11.43	.43	5.65	1.30	1.20	Tulsa, Okla.....	59
33.34	.21	-----	5.81	2.80	8.00	.59	3.62	Flint, Mich.....	60
34.79	.26	10.77	.27	1.49	3.28	.93	1.34	Fall River, Mass.....	61
25.05	4.01	.35	4.38	.70	4.72	3.12	3.47	Camden, N. J.....	62
29.13	5.41	.10	4.07	4.72	2.77	.60	5.17	Miami, Fla.....	63
18.50	.92	(?)	1.36	.29	3.97	.54	7.37	Wilmington, Del.....	64
-----	-----	-----	-----	-----	-----	-----	-----	Erie, Pa.....	65
39.20	.36	7.91	.16	1.77	4.64	1.31	.73	Cambridge, Mass.....	66
44.51	.31	13.67	.95	1.84	4.03	.94	1.99	New Bedford, Mass....	67
37.07	1.00	3.13	4.59	.31	5.90	.54	3.43	Albany, N. Y.....	68
32.77	1.04	-----	6.19	.31	19.20	1.03	.37	Kansas City, Kans....	69
63.33	1.37	3.36	1.86	.38	6.36	1.01	5.91	Yonkers, N. Y.....	70
25.01	.35	.68	1.22	.71	4.71	1.02	2.34	Reading, Pa.....	71
36.85	.51	.20	6.76	.36	11.49	1.28	2.89	Duluth, Minn.....	72
-----	-----	-----	-----	-----	-----	-----	-----	Elizabeth, N. J.....	73
37.23	.20	9.27	.47	1.79	3.68	.26	1.50	Lowell, Mass.....	74
37.39	1.21	-----	27.35	1.91	12.18	1.54	10.77	San Diego, Calif.....	75
32.26	2.22	.21	4.73	1.33	4.16	2.48	1.98	Canton, Ohio.....	76
25.38	.23	-----	1.79	1.75	5.67	.89	8.79	Spokane, Wash.....	77
-----	-----	-----	-----	-----	-----	-----	-----	Oklahoma City, Okla..	78
22.17	.42	-----	10.86	1.75	25.90	1.78	8.48	Tacoma, Wash.....	79
15.92	.22	-----	.54	.62	4.12	.21	3.23	El Paso, Tex.....	80
-----	-----	-----	-----	-----	-----	-----	-----	Waterbury, Conn.....	81
34.65	.40	6.46	.60	1.89	4.82	.71	1.19	Lynn, Mass.....	82
32.96	.82	2.64	5.57	.38	.12	.53	4.45	Utica, N. Y.....	83
30.01	.24	.48	10.39	.70	10.86	.50	1.86	Fort Wayne, Ind.....	84
27.63	.24	5.03	.88	1.11	3.02	.11	1.15	Somerville, Mass.....	85

Source: Bureau of the Census, Department of Commerce.

## GENERAL DEPARTMENTS OF CITIES OF 100,000 OR MORE INHABITANTS, 1926

234. Per capita figures not computed for certain cities owing to absence of accurate population figures]

Per capita governmental-cost payments (dollars) for—									City	City num-ber in order of size
Gen-eral govern-ment	Protec-tion to person and prop-erty	Health and sanita-tion	High-ways	Char-ities, hos-pitals, cor-rections	Education		Recrea-tion	Mis-cella-neous		
					Schools	Libra-ries				
5.54	10.35	5.75	4.37	3.37	18.15	0.42	1.10	3.91	New York, N. Y.....	1
4.70	7.85	5.60	3.61	1.90	13.81	.43	2.02	2.22	Chicago, Ill.....	2
4.32	8.10	4.17	2.56	3.14	11.68	.33	2.46	3.31	Philadelphia, Pa.....	3
3.29	9.66	4.97	5.21	3.39	13.79	.76	1.81	1.52	Detroit, Mich.....	4
3.71	6.63	4.60	3.82	1.68	15.66	1.26	.63	1.69	Cleveland, Ohio.....	5
3.14	9.19	2.57	3.14	3.29	11.67	.47	1.60	.48	St. Louis, Mo.....	6
2.41	8.09	3.69	3.97	1.94	9.52	.39	1.35	1.65	Baltimore, Md.....	7
5.20	11.87	6.60	4.95	5.77	18.47	1.06	3.31	3.61	Boston, Mass.....	8
									Los Angeles, Calif.....	9
6.16	8.23	5.70	6.65	3.41	16.12	.81	1.13	2.26	Pittsburgh, Pa.....	10
4.21	12.34	2.22	2.33	4.84	12.49	.36	2.46	2.45	San Francisco, Calif.....	11

## No. 236.—GOVERNMENTAL-COST PAYMENTS FOR EXPENSES OF THE SEVERAL

City number in order of size	City	Amount of governmental-cost payments (thousands of dollars) for							
		General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, corrections	Education		Miscellaneous
							Schools	Libraries	
12	Buffalo, N. Y.	2,258	5,255	3,195	3,450	2,824	9,532	295	1,405
13	Washington, D. C.	1,233	5,386	2,154	2,315	2,958	7,097	210	1,190
14	Milwaukee, Wis.	2,037	3,997	2,728	2,446	1,973	7,254	378	1,320
15	Newark, N. J.	2,003	5,373	3,028	1,573	2,596	8,333	296	679
16	Minneapolis, Minn.	1,388	2,669	1,711	1,802	855	6,978	381	783
17	New Orleans, La.	1,349	2,864	1,465	1,151	311	3,458	72	299
18	Cincinnati, Ohio	1,958	2,682	1,207	2,044	1,316	6,671	235	221
19	Kansas City, Mo.	2,098	2,330	810	1,883	1,535	6,540	203	369
20	Seattle, Wash.	1,714	3,151	1,439	1,552	553	4,757	270	321
21	Indianapolis, Ind.	976	2,890	1,043	846	806	4,755	297	521
22	Rochester, N. Y.	1,570	2,768	2,275	1,285	852	6,240	210	627
23	Jersey City, N. J.	1,946	4,769	1,735	1,072	1,879	4,538	200	478
24	Louisville, Ky.	616	1,545	864	1,011	687	2,848	134	248
25	Akron, Ohio	306	800	498	659	114	2,920	42	52
26	Toledo, Ohio	437	1,812	562	1,312	136	3,712	182	126
27	Portland, Oreg.	531	2,037	569	690	50	4,203	64	466
28	Columbus, Ohio	501	1,571	653	597	63	3,804	64	117
29	Denver, Colo.	1,156	2,052	693	1,174	671	4,403	217	732
30	Providence, R. I.	491	2,322	911	1,030	287	3,327	43	301
31	Oakland, Calif.	499	2,221	556	638	21	4,390	142	396
32	St. Paul, Minn.	561	1,622	442	772	309	3,279	259	354
33	Atlanta, Ga.	295	1,469	695	558	690	2,417	102	170
34	Omaha, Nebr.	377	1,538	295	498	115	3,486	88	182
35	Birmingham, Ala.	271	1,126	381	351	58	2,141	94	107
36	San Antonio, Tex.	212	897	452	623	54	1,918	35	161
37	Dallas, Tex.	274	1,110	579	582	261	2,133	26	292
38	Worcester, Mass.	373	1,778	792	916	942	3,273	146	192
39	Richmond, Va.	497	1,210	546	488	251	1,549	49	133
40	Syracuse, N. Y.	446	1,495	905	875	466	2,574	95	204
41	New Haven, Conn.	360	1,574	416	424	244	2,721	88	197
42	Memphis, Tenn.	228	1,175	626	512	421	1,656	68	296
43	Dayton, Ohio	521	804	369	469	201	2,258	163	152
44	Norfolk, Va.	293	1,254	421	234	135	1,343	29	57
45	Houston, Tex.	305	1,058	622	589	189	2,250	48	199
46	Bridgeport, Conn.	250	1,379	594	341	334	1,996	114	167
47	Youngstown, Ohio	245	599	216	424	78	2,149	70	147
48	Hartford, Conn.	404	1,377	742	535	245	2,677	55	333
49	Fort Worth, Tex.	227	681	263	281	45	1,428	36	172
50	Grand Rapids, Mich.	257	1,117	517	264	106	2,646	142	182
51	Springfield, Mass.	391	1,411	691	871	216	2,938	173	208
52	Des Moines, Iowa	248	869	373	453	41	2,663	109	150
53	Scranton, Pa.	224	827	404	287	2	2,027	32	123
54	Paterson, N. J.	192	1,289	623	254	141	2,445	67	133
55	Jacksonville, Fla.	196	768	480	404	64	1,969	37	205
56	Nashville, Tenn.	166	764	248	371	179	904	30	121
57	Trenton, N. J.	212	1,008	519	401	110	2,040	74	135
58	Salt Lake City, Utah	269	475	223	358	36	2,064	63	174
59	Tulsa, Okla.	148	520	169	145	17	1,632	42	94
60	Flint, Mich.	176	719	374	215	264	1,753	37	121
61	Fall River, Mass.	297	1,013	562	508	495	1,942	79	131
62	Camden, N. J.	232	921	325	352	89	1,735	38	85
63	Miami, Fla.	240	1,325	911	1,910	748	947	20	95
64	Wilmington, Del.	193	661	299	246	7	1,224	46	95
65	Erie, Pa.	157	527	209	238	2	1,493	43	31
66	Cambridge, Mass.	260	915	678	536	354	1,481	70	249
67	New Bedford, Mass.	265	1,103	644	414	329	1,839	76	143
68	Albany, N. Y.	350	1,034	614	447	316	1,318	79	215
69	Kansas City, Kans.	137	604	146	210	12	1,553	34	61
70	Yonkers, N. Y.	402	1,198	829	427	365	2,690	39	109
71	Hocking, Pa.	162	379	289	340	19	1,283	34	77
72	De Catur, Miss.	262	645	140	264	36	1,777	61	93
73	Elizabeth, N. J.	171	658	330	264	82	1,473	42	62
74	Lowell, Mass.	251	820	429	550	331	1,495	34	81
75	San Diego, Calif.	400	712	375	353	19	2,059	78	281
76	Canton, Ohio	170	361	66	241	28	1,254	15	22
77	Spokane, Wash.	147	579	267	268	34	1,743	65	129
78	Oklahoma City, Okla.	133	533	297	242	41	1,647	43	79
79	Tacoma, Wash.	179	578	137	309	35	1,472	47	136
80	El Paso, Tex.	119	408	238	99	53	1,050	26	100
81	Waterbury, Conn.	254	865	249	535	164	1,729	45	116
82	Lynn, Mass.	155	728	370	344	199	1,206	57	141
83	Utica, N. Y.	254	659	370	234	192	1,309	84	96
84	Fort Wayne, Ind.	78	544	163	140	102	1,407	85	88
85	Somerville, Mass.	140	547	357	224	102	1,143	62	118

1 Less than \$500.

1 Less than one-half of 1 cent.



## DEPARTMENTS OF CITIES OF 100,000 OR MORE INHABITANTS, 1926—Continued

Per capita governmental-cost payments (dollars) for—									City	City number in order of size
General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, corrections	Education		Recreation	Miscellaneous		
					Schools	Libraries				
4.17	9.72	5.91	6.39	5.22	17.81	0.55	2.60	3.14	Buffalo, N. Y.	12
2.37	10.34	4.13	6.36	5.70	14.77	.40	2.30	1.80	Washington, D. C.	13
3.94	7.73	5.27	4.73	3.82	14.03	.73	2.55	2.10	Milwaukee, Wis.	14
4.36	11.70	6.59	3.43	5.66	18.16	.62	1.48	1.88	Newark, N. J.	15
3.20	6.20	3.94	4.15	1.97	16.08	.88	1.80	1.61	Minneapolis, Minn.	16
3.22	6.84	3.50	2.75	.74	8.25	.17	.71	.63	New Orleans, La.	17
4.76	6.53	2.94	4.98	3.20	16.23	.57	.54	2.96	Cincinnati, Ohio	18
5.66	6.31	2.19	5.09	4.15	14.97	.55	1.00	.48	Kansas City, Mo.	19
									Seattle, Wash.	20
2.66	7.87	2.85	2.31	2.20	12.96	.81	1.42	1.04	Indianapolis, Ind.	21
4.89	8.63	7.09	4.00	2.65	19.44	.66	1.95	3.27	Rochester, N. Y.	22
6.12	15.00	5.45	3.37	5.91	14.27	.63	1.50	2.43	Jersey City, N. J.	23
2.00	5.01	2.81	3.29	2.17	9.25	.43	.80	.74	Louisville, Ky.	24
									Akron, Ohio	25
1.48	6.14	1.91	4.44	.46	12.58	.62	.43	1.24	Toledo, Ohio	26
									Portland, Oreg.	27
1.76	5.51	2.29	2.10	.22	13.35	.22	.41	1.44	Columbus, Ohio	28
4.06	7.20	2.43	4.12	2.36	15.45	.76	2.57	1.61	Denver, Colo.	29
1.80	8.52	3.33	3.77	1.05	12.19	.16	1.10	1.21	Providence, R. I.	30
1.90	8.64	2.17	2.48	.08	17.08	.55	1.55	.43	Oakland, Calif.	31
2.26	7.35	1.78	3.12	1.25	13.22	1.05	1.43	1.17	St. Paul, Minn.	32
									Atlanta, Ga.	33
1.75	7.12	1.37	2.26	.53	16.14	.41	.84	1.05	Omaha, Nebr.	34
1.30	5.39	1.83	1.68	.28	10.25	.45	.51	.32	Birmingham, Ala.	35
1.06	4.47	2.25	3.10	.27	9.54	.17	.80	.17	San Antonio, Tex.	36
1.38	5.61	2.92	2.94	1.32	10.77	.13	1.32	.29	Dallas, Tex.	37
1.93	9.22	4.11	4.75	4.88	16.96	.76	.99	1.66	Worcester, Mass.	38
2.63	6.40	2.89	2.58	1.33	9.78	.26	.70	.66	Richmond, Va.	39
2.41	8.07	4.89	4.73	2.52	13.91	.52	1.10	2.28	Syracuse, N. Y.	40
1.98	8.65	2.28	2.33	1.34	14.95	.48	1.08	1.07	New Haven, Conn.	41
1.29	6.63	3.53	2.89	2.38	9.36	.39	1.67	.21	Memphis, Tenn.	42
1.81	4.54	2.08	2.65	1.14	12.76	.92	.86	1.44	Dayton, Ohio	43
1.69	7.21	2.42	1.35	.78	7.72	.22	.33	.37	Norfolk, Va.	44
									Houston, Tex.	45
									Bridgeport, Conn.	46
1.48	3.62	1.31	2.57	.48	13.02	.42	.89	.82	Youngstown, Ohio	47
2.51	8.56	4.60	3.33	1.52	16.63	.34	2.07	1.24	Hartford, Conn.	48
1.45	4.34	1.81	1.79	.29	9.10	.23	1.10	.10	Fort Worth, Tex.	49
1.67	7.26	3.35	1.84	.70	18.48	.92	1.18	.44	Grand Rapids, Mich.	50
2.70	9.73	4.77	6.01	1.49	20.26	1.19	2.06	1.37	Springfield, Mass.	51
1.72	6.04	2.59	3.15	.28	18.50	.76	1.04	.67	Des Moines, Iowa	52
1.57	5.79	2.82	2.71		14.17	.22	.86	1.19	Scranton, Pa.	53
1.34	9.01	4.36	1.78	.98	17.09	.47	.93	1.56	Paterson, N. J.	54
									Jacksonville, Fla.	55
1.21	5.57	1.80	2.71	1.31	6.60	.22	.88	.51	Nashville, Tenn.	56
1.58	7.52	3.88	2.99	.82	15.23	.55	1.01	1.11	Trenton, N. J.	57
2.02	3.58	1.07	2.70	.29	15.52	.47	1.31	.38	Salt Lake City, Utah	58
1.12	3.94	1.27	1.10	.13	12.36	.32	.71	.12	Tulsa, Okla.	59
1.34	5.48	2.85	1.64	2.02	13.38	.28	.92	.35	Flint, Mich.	60
2.27	7.74	4.28	3.88	3.78	14.82	.61	1.00	1.55	Fall River, Mass.	61
1.78	7.03	2.48	2.69	.68	13.24	.29	.65	1.65	Camden, N. J.	62
2.21	10.43	7.17	15.04	5.89	7.46	.16	.75	2.89	Miami, Fla.	63
1.57	5.37	2.42	2.00	.06	9.95	.37	.77	.31	Wilmington, Del.	64
									Erie, Pa.	65
2.20	7.55	5.58	4.43	2.93	12.24	.58	2.05	2.93	Cambridge, Mass.	66
2.38	9.22	5.38	3.47	2.76	15.39	.63	1.19	1.64	New Bedford, Mass.	67
2.94	8.69	5.16	3.75	2.65	11.07	.66	1.81	1.88	Albany, N. Y.	68
1.17	5.17	1.25	1.80	.10	13.27	.29	.52	.32	Kansas City, Kans.	69
3.17	10.31	7.15	3.69	3.15	23.19	.33	.94	2.82	Yonkers, N. Y.	70
1.42	3.32	2.54	2.98	(?)	11.25	.30	.68	.82	Reading, Pa.	71
2.32	5.88	1.59	2.60	.31	15.72	.54	.82	.94	Duluth, Minn.	72
									Elizabeth, N. J.	73
2.28	7.43	3.81	4.98	3.00	13.55	.31	.74	2.54	Lowell, Mass.	74
2.73	6.47	3.41	3.21	.17	18.71	.71	2.56	.53	San Diego, Calif.	75
1.60	3.29	1.51	2.19	.26	11.77	.13	.20	.86	Canton, Ohio	76
1.35	5.32	2.45	2.45	.31	16.36	.60	1.18	.61	Spokane, Wash.	77
									Oklahoma City, Okla.	78
1.67	5.46	1.30	2.91	.33	13.88	.44	1.29	.46	Tacoma, Wash.	79
1.12	3.85	2.22	.93	.50	9.91	.24	.94	.06	El Paso, Tex.	80
									Waterbury, Conn.	81
1.49	6.99	3.56	3.31	1.92	11.60	.55	1.35	2.11	Lynn, Mass.	82
2.46	6.40	3.59	2.28	1.87	13.59	.81	.93	1.64	Utica, N. Y.	83
.78	5.44	1.63	1.80		14.07	.85	.88	.64	Fort Wayne, Ind.	84
1.40	5.46	3.57	2.24	1.02	11.43	.62	1.18	1.80	Somerville, Mass.	85

Source: Bureau of the Census, Department of Commerce.



# No. 237.—NET DEBT OF INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS

[NOTE.—Cities are arranged in order of their estimated population in 1926]

City	Amount (thousands of dollars)		Per capita (dollars)		City	Amount (thousands of dollars)		Per capita (dollars)	
	1915	1926	1915	1926		1915	1926	1915	1926
New York, N. Y.	921,754	1,326,051	172.82	223.84	Bridgeport, Conn.	2,621	14,180	22.58	( <sup>1</sup> )
Chicago, Ill.	65,911	204,429	27.49	67.07	Youngstown, Ohio	3,950	10,347	39.27	62.71
Philadelphia, Pa.	101,864	357,721	61.44	178.15	Hartford, Conn.	8,806	15,757	81.90	97.87
Detroit, Mich.	18,377	206,246	33.65	162.65	Fort Worth, Tex.	5,447	15,977	57.64	101.12
Cleveland, Ohio.	57,074	136,871	89.26	142.57	Grand Rapids, Mich.	3,786	12,045	30.56	78.22
St. Louis, Mo.	21,919	24,956	29.72	30.29	Springfield, Mass.	7,549	14,411	75.38	99.39
Baltimore, Md.	59,614	117,042	102.86	144.85	Des Moines, Iowa	3,355	17,434	34.48	121.07
Boston, Mass.	83,096	98,558	113.10	125.23	Scranton, Pa.	2,537	4,416	17.95	30.88
Los Angeles, Calif.	42,673	187,692	94.38	( <sup>1</sup> )	Paterson, N. J.	4,739	14,344	35.02	100.31
Pittsburgh, Pa.	51,932	101,842	91.93	159.88	Jacksonville, Fla.	3,848	12,720	54.83	( <sup>1</sup> )
San Francisco, Calif.	42,636	80,702	94.27	143.60	Nashville, Tenn.	6,038	11,773	52.55	85.94
Buffalo, N. Y.	32,748	72,597	71.54	134.19	Trenton, N. J.	2,714	11,790	25.31	87.98
Washington, D. C.	6,223	—	17.48	—	Salt Lake City, Utah	6,223	9,106	56.71	68.47
Milwaukee, Wis.	14,381	39,753	34.27	76.89	Tulsa, Okla.	( <sup>2</sup> )	14,062	( <sup>2</sup> )	106.53
Newark, N. J.	36,961	70,498	94.99	153.59	Flint, Mich.	1,581	15,847	31.64	120.96
Minneapolis, Minn.	19,007	49,926	55.34	115.04	Fall River, Mass.	5,049	10,203	40.25	77.89
New Orleans, La.	42,846	44,505	118.61	106.22	Camden, N. J.	4,379	9,407	42.73	71.81
Cincinnati, Ohio.	59,839	82,500	148.79	200.73	Miami, Fla.	( <sup>2</sup> )	14,180	( <sup>2</sup> )	111.66
Kansas City, Mo.	9,768	36,806	34.32	99.47	Wilmington, Del.	5,186	10,489	56.00	85.29
Seattle, Wash.	31,029	72,023	99.12	( <sup>1</sup> )	Erie, Pa.	1,034	7,819	14.29	( <sup>1</sup> )
Indianapolis, Ind.	4,850	31,434	18.67	85.65	Cambridge, Mass.	7,198	5,996	65.03	49.55
Rochester, N. Y.	11,570	38,148	47.21	118.84	New Bedford, Mass.	8,030	12,585	72.38	105.28
Jersey City, N. J.	19,521	76,891	66.53	241.80	Albany, N. Y.	5,783	14,400	56.17	121.01
Louisville, Ky.	11,865	19,218	50.60	62.40	Kansas City, Kans.	5,557	13,880	58.94	118.63
Akron, Ohio.	6,859	35,298	85.43	( <sup>1</sup> )	Yonkers, N. Y.	8,631	19,370	92.42	166.98
Toledo, Ohio.	10,000	30,001	54.31	101.70	Reading, Pa.	2,115	8,981	20.46	78.78
Portland, Oreg.	16,022	40,759	61.72	( <sup>1</sup> )	Duluth, Minn.	6,695	10,752	76.94	95.15
Columbus, Ohio.	10,044	25,697	49.10	90.17	Elizabeth, N. J.	3,217	4,484	38.53	( <sup>1</sup> )
Denver, Colo.	908	32,190	3.70	112.95	Lowell, Mass.	2,675	5,427	24.09	49.20
Providence, R. I.	13,523	24,183	55.46	88.58	San Diego, Calif.	10,868	15,210	222.26	138.27
Oakland, Calif.	9,927	18,879	53.11	73.46	Canton, Ohio.	2,647	12,557	46.09	114.15
St. Paul, Minn.	10,560	27,402	44.60	110.49	Spokane, Wash.	7,764	4,492	57.23	41.21
Atlanta, Ga.	4,920	8,822	27.44	( <sup>1</sup> )	Oklahoma City, Okla.	4,827	12,155	56.22	( <sup>1</sup> )
Omaha, Nebr.	15,291	33,599	114.73	155.55	Tacoma, Wash.	9,937	11,946	96.08	112.69
Birmingham, Ala.	5,839	14,295	35.57	68.40	El Paso, Tex.	2,958	6,745	59.02	63.63
San Antonio, Tex.	5,634	20,700	48.20	102.99	Waterbury, Conn.	4,399	13,751	53.32	( <sup>1</sup> )
Dallas, Tex.	5,947	20,510	52.38	103.59	Lynn, Mass.	4,328	5,795	44.07	55.72
Worcester, Mass.	7,539	8,447	47.86	43.77	Utica, N. Y.	2,114	7,766	25.77	75.40
Richmond, Va.	11,170	25,553	82.70	135.20	Fort Wayne, Ind.	987	4,544	13.63	45.44
Syracuse, N. Y.	8,976	21,578	80.10	116.64	Somerville, Mass.	1,616	1,457	19.26	14.57
New Haven, Conn.	4,236	10,611	29.31	58.30					
Memphis, Tenn.	12,289	24,976	85.80	141.11					
Dayton, Ohio.	6,009	16,497	48.54	93.20					
Norfolk, Va.	8,234	33,267	94.31	191.19					
Houston, Tex.	9,858	29,783	94.13	( <sup>1</sup> )					

<sup>1</sup> Per capita not computed.

<sup>2</sup> Not reported in 1915.

Source: Bureau of the Census, Department of Commerce.

## 11. MONEY AND BANKING

### No. 238.—COINAGE OF THE UNITED STATES MINTS: 1793 TO 1927

[All figures in thousands of dollars]

Period <sup>1</sup> or calendar year	Total	Gold	Silver	Minor	Calendar year	Total	Gold	Silver	Minor
1793-1799	1,963	697	1,216	50	1898	102,145	77,986	23,034	1,125
1800-1809	6,387	3,067	3,155	165	1899	139,243	111,344	26,062	1,837
1810-1819	8,620	2,349	6,108	163	1900	137,649	99,273	36,345	2,031
1820-1829	17,545	2,579	14,787	178	1901	134,604	101,735	30,838	2,120
1830-1839	46,192	17,745	28,112	335	1902	79,661	47,185	30,028	2,448
1840-1849	81,494	58,909	22,224	361	1903	65,810	43,684	19,874	2,251
1850-1859	401,289	352,915	47,239	1,136	1904	250,782	233,402	15,096	1,684
1860-1869	312,928	290,786	13,638	8,504	1905	58,269	49,638	6,332	2,299
1870-1874	177,726	158,321	17,863	1,542	1906	92,335	78,793	10,651	2,891
1875	48,547	32,952	15,348	247	1907	148,128	131,907	13,178	3,042
1876	71,294	46,579	24,503	211	1908	145,499	131,639	12,392	1,469
1877	72,401	44,000	28,393	9	1909	98,621	88,777	8,088	1,756
1878	78,363	49,786	28,519	58	1910	111,505	104,724	3,744	3,037
1879	66,815	39,080	27,570	165	1911	65,791	56,177	6,457	3,157
1880	90,111	62,306	27,412	391	1912	27,417	17,499	7,341	2,577
1881	125,219	96,851	27,940	428	1913	33,285	25,433	3,184	4,667
1882	94,821	65,888	27,973	960	1914	61,750	53,458	6,084	2,208
1883	60,094	29,242	29,247	1,605	1915	30,145	23,968	4,114	2,063
1884	53,323	23,992	28,535	796	1916	33,743	18,525	8,881	6,338
1885	56,927	27,773	28,962	192	1917	35,540	10	29,412	6,118
1886	61,375	28,946	32,087	343	1918	31,446	-----	25,473	5,973
1887	60,379	23,972	35,191	1,216	1919	20,778	-----	11,068	9,709
1888	65,319	31,381	33,026	912	1920	50,214	16,990	25,057	8,167
1889	58,194	21,414	35,497	1,283	1921	100,783	10,570	89,058	1,155
1890	61,055	20,467	39,203	1,385	1922	165,077	80,680	84,325	72
1891	58,053	29,222	27,519	1,312	1923	114,575	45,365	66,283	2,927
1892	48,390	34,787	12,641	961	1924	229,947	206,010	21,627	2,310
1893	66,934	56,997	8,802	1,135	1925	216,457	192,380	19,874	4,203
1894	89,185	79,546	9,200	438	1926	102,828	78,541	19,826	4,462
1895	66,197	59,616	5,698	882	1927	141,147	125,645	11,286	4,216
1896	70,976	47,053	23,090	833	Total	5,699,421	4,166,588	1,404,799	128,033
1897	96,042	76,028	18,487	1,526					

<sup>1</sup> Figures for periods are totals, not annual averages.

### No. 239.—GOLD AND SILVER COINED BY THE MINTS OF THE PRINCIPAL COUNTRIES: 1885 TO 1925

[Amounts consumed in thousands of fine ounces, values in thousands of dollars]

Period or calendar year	Gold		Silver		Calendar year	Gold		Silver	
	Amount con- sumed	Value	Amount con- sumed	Coining value <sup>1</sup>		Amount con- sumed	Value	Amount con- sumed	Coining value <sup>1</sup>
1885-1889 <sup>2</sup>	29,950	619,123	533,142	689,315	1908	15,829	327,206	151,353	195,688
1890	7,220	149,245	117,789	152,293	1909	15,153	313,243	87,729	113,427
1891	5,782	119,534	106,962	138,294	1910	22,613	454,952	78,803	101,887
1892	8,343	172,473	120,283	155,517	1911	18,002	372,144	117,238	151,580
1893	11,243	232,421	106,698	137,953	1912	17,447	360,671	161,763	209,149
1894	11,026	227,921	87,473	113,096	1913	15,495	320,306	155,497	201,047
1895	11,179	231,087	98,129	126,874	1914	12,025	248,585	192,501	248,800
1896	9,477	195,900	123,394	159,540	1915	10,833	223,928	225,117	291,060
1897	21,175	437,723	129,775	167,790	1916	5,152	106,499	292,149	377,727
1898	19,131	395,478	115,461	149,283	1917	6,229	128,772	286,597	370,549
1899	22,548	466,111	128,566	166,227	1918	7,471	154,431	238,693	308,616
1900	17,170	354,936	143,363	185,358	1919	4,380	90,535	298,301	385,681
1901	12,002	248,094	107,440	138,912	1920	2,830	58,507	220,319	284,856
1902	10,662	220,405	149,827	193,715	1921	2,102	43,459	155,168	200,622
1903	11,634	240,500	161,160	208,368	1922	5,965	123,308	227,210	293,767
1904	22,081	455,427	136,518	176,509	1923	3,810	78,750	232,999	301,251
1905	11,898	245,954	134,062	173,333	1924	11,654	240,899	136,818	176,896
1906	17,721	366,327	120,340	155,590	1925	15,908	328,843	188,306	243,466
1907	19,921	411,804	171,561	221,817					

<sup>1</sup> Number (in thousands) of United States standard silver dollars that could be coined from the quantity stated; not market value of the silver.

<sup>2</sup> Figures are totals for the period, not annual averages.

Source of Tables 238 and 239: Annual Reports of the Director of the Mint, Treasury Department.

## No. 240.—STOCK OF MONEY IN THE UNITED STATES, BY KINDS, JUNE 30

[Note.—Amounts in thousands of dollars. Figures prior to 1890 have been revised from the best available data, but the older records, especially from 1860 through the early 70's, are not complete and figures for gold and silver those years are only estimates. Figures beginning 1890 have been compiled on the basis of revised figures for June 30 of each year and therefore differ slightly from the monthly circulation statements. In 1927, data were revised to include minor coins beginning 1900 (no satisfactory data available for earlier years) and to exclude earmarked gold. For changes in stock through earmarking see Table 296, p. 286. Gold and silver certificates and Treasury notes of 1890 are not shown, since equivalent amounts held in trust against them are included in gold coin and bullion and silver dollars.]

June 30—	Total	Gold coin and bullion <sup>1</sup>	Silver dollars	Subsidiary silver	United States notes	Fractional currency <sup>2</sup>	Other United States currency	State bank notes	National bank notes	Percentage of gold to total money
1860	442,102	214,000		31,000				207,102		48.41
1865	1,180,197	180,000		9,500	431,000	25,000	236,567	142,920	146,136	16.01
1869	873,750	173,000		7,000	356,000	32,116	3,343	2,560	299,742	19.80
1870	899,876	180,500		10,000	356,000	39,879	2,507	2,223	299,767	21.08
1871	864,376	163,500		13,000	356,000	40,583	1,064	1,968	318,261	18.26
1872	900,571	148,000		14,000	357,500	40,856	849	1,701	337,665	16.43
1873	903,316	135,000	1,149	17,000	358,000	44,799	701	1,390	347,267	14.94
1874	950,116	147,379	1,592	19,500	382,000	45,881	620	1,182	351,981	15.51
1875	925,702	121,135	2,743	28,000	375,772	42,129	551	994	354,408	13.09
1876	905,238	130,687	3,997	32,419	369,772	34,447	500	1,047	332,908	14.37
1877	916,548	167,501	4,027	45,838	359,764	20,408	458	909	317,049	18.28
1878	984,225	213,200	16,389	65,779	346,681	16,548	428	806	324,514	21.03
1879	1,033,641	245,742	41,376	70,260	346,681				329,692	23.77
1880	1,185,550	351,841	69,660	72,862	346,681				344,506	29.68
1881	1,349,592	478,485	95,297	74,067	346,681				355,043	35.46
1882	1,409,398	505,758	122,799	74,429	346,681				358,742	38.08
1883	1,472,494	542,722	152,048	74,900	346,681				356,073	36.86
1884	1,487,250	545,501	180,307	75,262	346,681				339,509	36.08
1885	1,537,434	568,697	208,539	74,940	346,681				318,577	38.29
1886	1,561,408	580,774	237,192	75,061	346,681				311,699	37.84
1887	1,633,413	654,520	277,446	75,548	346,681				279,218	40.07
1888	1,601,441	705,849	310,166	76,406	346,681				252,368	41.73
1889	1,658,672	680,064	343,947	76,002	346,681				211,379	41.00
1890	1,685,120	606,563	380,083	76,825	346,681				185,971	41.38
1891	1,677,794	646,583	448,754	77,849	346,681				167,928	38.64
1892	1,752,219	664,275	491,058	77,521	346,681				172,684	47.91
1893	1,798,408	597,698	538,301	77,415	346,681				178,714	44.37
1894	1,806,079	627,263	548,000	76,250	346,681				206,855	34.75
1895	1,819,360	636,256	547,777	76,954	346,681				211,691	34.97
1896	1,791,973	699,698	551,721	75,972	346,681				236,001	33.31
1897	1,905,770	696,219	558,590	75,818	346,681	Minor coins			231,442	36.31
1898	2,073,574	661,515	561,351	76,128	346,681				227,900	41.55
1899	2,190,094	663,436	563,697	74,667	346,681				241,351	41.50
1900	2,336,220	1,034,354	566,131	82,964	346,681	26,520			309,640	43.71
1901	2,511,472	1,124,619	568,183	89,820	346,681	28,404			353,742	44.78
1902	2,563,910	1,192,595	570,135	97,184	346,681	30,643			356,672	45.98
1903	2,717,646	1,248,682	573,643	102,001	346,681	32,035			413,671	45.96
1904	2,838,023	1,327,656	572,879	107,062	346,681	31,519			449,235	46.78
1905	2,919,404	1,377,656	568,259	114,824	346,681	30,484			495,720	46.90
1906	3,109,360	1,475,707	568,272	134,225	346,681	39,403			561,112	47.46
1907	3,158,111	1,468,989	568,250	130,452	346,681	42,550			603,799	46.63
1908	3,423,068	1,618,133	568,260	147,346	346,681	44,704			698,164	47.27
1909	3,471,521	1,642,042	568,277	159,409	346,681	45,103			689,920	47.57
1910	3,466,958	1,636,043	568,278	155,159	346,681	47,264			713,431	47.19
1911	3,606,089	1,753,07	568,279	159,607	346,681	51,028			728,165	48.61
1912	3,701,963	1,818,198	568,278	170,588	346,681	53,004	Federal reserve notes	Federal reserve bank notes	745,135	49.11
1913	3,777,021	1,870,762	568,273	175,186	346,681	56,951			759,158	49.53
1914	3,797,825	1,890,05	568,272	182,007	346,681	59,536			759,672	49.78
1915	4,060,183	1,985,539	568,272	185,440	346,681	61,327	54,361		819,274	49.02
1916	4,540,740	2,444,868	568,271	188,859	346,681	63,909	178,168	0 000	744,170	53.83
1917	5,179,599	3,118,067	568,271	188,111	346,681	69,688	547,408	12,700	715,429	56.09
1918	6,906,222	3,112,793	496,111	211,817	346,681	78,146	1,847,940	17,444	724,205	45.80
1919	7,688,413	3,113,306	308,149	212,870	346,681	82,009	2,681,557	182,667	710,271	40.40
1920	8,158,496	2,865,482	288,851	258,855	346,681	92,479	3,405,877	201,228	711,038	35.12
1921	8,114,528	3,274,740	288,798	271,414	346,681	98,22	3,006,430	150,773	745,280	40.06
1922	8,276,070	3,384,632	38,174	271,211	346,681	98,503	2,575,062	80,645	738,202	45.73
1923	8,702,788	4,049,544	49,887	269,184	346,681	98,006	2,617,802	22,083	747,440	46.58
1924	8,846,562	4,498,301	503,71	277,614	346,681	102,445	2,399,048	0,506	810,12	50.74
1925	8,833,612	4,364,612	522,06	283,472	346,681	104,004	1,942,240	7,178	743,369	52.56
1926	8,458,971	4,447,397	558,491	298,923	346,681	108,591	1,945,206	5,713	702,669	52.76
1927	8,161,292	4,367,298	551,941	29,080	346,681	113,297	2,077,473	4,854	701,40	52.93

<sup>1</sup> Does not include gold bullion and foreign coin outside of the vaults of the Treasury, Federal reserve banks, and Federal reserve agents.

<sup>2</sup> There has been no fractional currency in actual circulation to any extent since 1878.

<sup>3</sup> Silver bullion in Treasury.

Source. Annual Report of the Secretary of the Treasury.

# No. 241.—MONEY IN CIRCULATION, HELD IN TREASURY AND IN FEDERAL RESERVE SYSTEM, AND TOTAL STOCK, JUNE 30

[NOTE.—All figures except per capita in thousands of dollars. In conformity with revisions in the form of circulation statement in 1922 and 1927, figures for 1915 on have been compiled to include in the holdings of Federal reserve banks and agents, and, hence, in stock of money, gold bullion and foreign coin held by them and gold coin and bullion held abroad for the account of Federal reserve banks, and also to include in the holdings of Federal reserve banks and agents, and, hence, exclude from circulation, all forms of money held by them whether as reserve against Federal reserve notes or otherwise. As to other revisions, see headnote, Table 240. Per capita figures are on basis of population estimates of the Treasury Department.]

June 30—	Stock of money in the United States	Money held in the Treasury				Money outside of the Treasury			
		Total	In trust against gold and silver certificates <sup>1</sup>	Reserve against United States notes <sup>2</sup>	Held for Federal reserve banks and agents	All other money	Held by Federal reserve banks and agents	In circulation	Per capita (dollars)
								Amount	
1890	23,000	1,500				1,500		26,500	4.99
1891	58,000	3,000				3,000		55,000	7.60
1892	69,100	2,000				2,000		67,100	6.96
1893	93,100	5,756				5,756		87,344	6.78
1894	189,969	3,664				3,664		186,305	10.91
1895	285,367	6,605				6,605		278,762	12.02
1896	442,102	6,605				6,605		435,497	13.85
1897	1,180,197	96,657				96,657		1,083,541	31.18
1898	869,878	156,994	32,085			124,910		774,966	20.10
1899	925,702	109,481	17,549			91,932		833,769	18.97
1900	1,185,550	225,922	13,753	100,000		112,168		973,382	19.41
1901	1,349,562	280,225	44,870	100,000		135,354		1,114,238	21.71
1902	1,409,396	294,643	56,535	100,000		138,107		1,174,290	22.37
1903	1,472,494	374,617	132,428	100,000		142,189		1,230,306	22.91
1904	1,487,250	410,696	167,574	100,000		143,324		1,243,926	22.66
1905	1,537,434	473,126	228,261	100,000		144,865		1,292,569	23.02
1906	1,561,406	472,668	164,161	100,000		208,707		1,252,701	21.82
1907	1,633,413	549,217	233,348	100,000		216,874		1,317,539	22.45
1908	1,691,441	641,124	321,654	100,000		219,270		1,372,171	22.88
1909	1,658,672	652,597	374,286	100,000		178,311		1,380,362	22.53
1910	1,695,123	684,259	428,387	100,000		155,872		1,429,251	22.82
1911	1,677,704	648,001	467,648	100,000		80,353		1,497,411	23.45
1912	1,752,219	716,918	566,046	100,000		50,872		1,601,347	24.60
1913	1,738,806	702,439	560,322	96,520		45,897		1,596,701	24.07
1914	1,805,079	672,282	528,012	64,977		79,294		1,660,809	24.56
1915	1,819,360	701,339	483,947	100,000		117,391		1,601,968	23.24
1916	1,799,975	761,441	467,901	100,000		193,540		1,506,434	21.44
1917	1,906,770	744,391	478,604	100,000		165,787		1,640,983	22.92
1918	2,073,574	759,959	524,245	100,000		135,715		1,837,860	25.19
1919	2,190,094	813,376	527,354	100,000		186,022		1,904,072	25.62
1920	2,366,220	969,492	684,503	150,000		134,990		2,081,231	27.26
1921	2,511,472	1,032,479	724,204	150,000		158,274		2,203,198	28.34
1922	2,593,910	1,097,555	782,759	150,000		164,796		2,279,114	28.81
1923	2,717,646	1,168,982	851,068	150,000		167,914		2,399,732	29.82
1924	2,836,023	1,224,813	939,068	150,000		135,117		2,552,906	31.18
1925	2,919,494	1,245,301	949,347	150,000		146,153		2,623,340	31.51
1926	3,169,380	1,330,169	995,419	150,000		184,690		2,774,690	32.77
1927	3,158,111	1,420,507	1,076,259	150,000		194,247		2,813,863	32.69
1928	3,423,069	1,597,132	1,253,210	150,000		193,913		3,079,155	35.19
1929	3,451,521	1,599,621	1,296,926	150,000		152,695		3,148,626	35.41
1930	3,466,856	1,603,184	1,285,014	150,000		168,172		3,148,684	34.84
1931	3,606,969	1,731,064	1,387,149	150,000		193,916		3,263,053	34.72
1932	3,701,965	1,782,320	1,415,576	150,000		216,744		3,335,220	34.87
1933	3,777,021	1,834,112	1,475,783	150,000		208,329		3,418,692	35.12
1934	3,797,825	1,845,570	1,507,179	150,000		188,391		3,459,434	34.93
1935	4,060,783	1,967,665	1,619,429	152,977		195,259	382,965	3,319,582	32.96
1936	4,541,730	2,356,536	2,057,409	152,979		146,147	593,345	3,649,258	35.63
1937	5,678,569	2,659,396	2,063,391	152,979	526,295	116,731	816,365	4,064,229	39.02
1938	6,906,222	2,976,251	2,407,694	152,979	1,206,082	210,496	855,964	4,481,682	42.33
1939	7,688,413	2,907,812	906,673	152,979	1,416,086	432,074	810,636	4,576,638	45.95
1940	8,158,496	2,379,664	704,038	152,979	1,184,276	337,771	1,015,881	5,467,589	51.38
1941	8,174,528	2,921,069	919,443	152,979	1,537,857	310,810	1,262,089	4,910,992	45.44
1942	8,276,070	3,515,593	1,000,578	152,979	2,108,687	253,189	1,297,893	4,463,172	40.67
1943	8,702,788	3,821,840	1,150,168	152,979	2,265,170	233,529	1,207,836	4,823,775	43.35
1944	8,846,642	4,248,439	1,628,139	152,979	2,290,391	206,429	1,376,935	4,849,307	43.03
1945	8,303,632	4,176,381	2,069,799	153,621	1,762,744	210,217	1,371,841	4,515,208	42.20
1946	8,428,971	4,210,358	2,139,770	154,189	1,717,348	199,050	1,473,118	4,685,266	42.29
1947	8,667,282	4,159,056	2,096,205	155,421	1,712,003	195,427	1,753,110	4,851,321	41.48

<sup>1</sup> Both of these items include also reserve against Treasury notes of 1890. The first should be deducted from the totals for money held in the Treasury before combining them with total money outside of the Treasury to arrive at the stock of money in the United States.

<sup>2</sup> Includes total stock of silver dollars and subsidiary silver.

Source: Annual Report of the Secretary of the Treasury.

## No. 242.—ASSETS OF FEDERAL RESERVE BANKS: TOTAL, AND PRINCIPAL ITEMS

(All figures in thousands of dollars)

Bank and date	Total assets	Reserves		Total (including minor items not shown)	Bills and securities			
		Total	Gold		Bills discounted		Bills bought in open market	United States securities
					Total	Secured by U. S. Government obligations		
All banks:								
Dec 30, 1915	666,650	555,938	542,413	83,398	82,368		23,013	15,797
Dec 30, 1920	6,209,517	2,349,163	2,059,333	3,263,027	2,719,134	1,141,036	265,702	288,191
Dec 28, 1921	5,151,306	2,992,200	2,969,600	1,535,851	1,179,833	487,193	114,240	241,444
Dec 27, 1922	5,305,411	3,148,837	3,040,439	1,334,101	929,885	316,496	246,293	457,863
Dec 26, 1923	5,169,377	3,137,516	3,071,097	1,297,775	857,151	441,842	336,415	104,158
Dec 31, 1924	5,096,380	3,047,054	2,936,533	1,249,438	314,128	186,840	387,100	540,160
June 24, 1925	4,749,459	2,958,813	2,810,764	1,034,470	455,445	249,914	241,666	324,609
Dec 30, 1925	5,183,158	2,822,133	2,704,281	1,500,827	749,672	466,014	362,818	377,032
Dec 29, 1926	5,224,133	2,944,215	2,814,811	1,409,629	710,931	383,388	378,796	317,204
Dec 28, 1927	5,333,839	2,862,196	2,739,100	1,598,842	609,909	410,174	355,697	603,126
Boston								
Dec 31, 1924	433,931	233,840	220,100	129,543	28,904	18,217	63,889	36,660
Dec 30, 1925	414,555	186,173	165,004	150,395	55,595	24,326	81,381	12,820
Dec 29, 1926	398,214	187,718	172,540	126,953	70,822	31,625	46,011	10,020
Dec 28, 1927	401,256	195,887	183,388	124,817	40,963	21,361	48,738	35,116
New York								
Dec 31, 1924	1,536,053	961,470	969,602	354,789	81,322	68,745	101,823	169,808
Dec 30, 1925	1,566,330	968,813	942,738	396,186	294,975	254,469	37,090	60,934
Dec 29, 1926	1,586,019	1,032,281	1,009,019	339,793	173,655	123,873	100,045	68,093
Dec 28, 1927	1,648,099	884,319	862,128	528,097	263,487	197,994	95,931	168,079
Philadelphia								
Dec 31, 1924	385,663	236,561	231,567	86,581	36,284	27,411	18,276	29,889
Dec 30, 1925	387,403	217,298	212,572	101,323	58,112	37,386	15,345	24,063
Dec 29, 1926	371,605	194,133	188,972	110,343	62,226	42,099	26,040	20,077
Dec 28, 1927	389,910	172,514	160,715	143,872	55,829	43,325	42,279	45,664
Cleveland								
Dec 31, 1924	452,254	238,245	228,890	144,042	42,073	29,248	41,217	60,060
Dec 30, 1925	497,691	305,163	296,694	111,215	66,940	23,556	4,899	36,409
Dec 29, 1926	511,787	259,310	248,332	167,378	97,147	68,240	34,488	35,743
Dec 28, 1927	519,414	284,902	274,236	151,877	70,572	58,145	19,794	61,511
Richmond								
Dec 31, 1924	226,066	125,486	119,977	39,987	33,548	11,948	1,486	4,611
Dec 30, 1925	245,797	106,077	99,789	61,606	49,517	16,893	2,716	8,944
Dec 29, 1926	231,160	115,282	106,597	45,600	25,278	6,596	13,147	7,235
Dec 28, 1927	237,678	71,921	65,562	89,440	28,638	9,022	48,352	12,452
Atlanta								
Dec 31, 1924	242,845	174,318	167,151	29,321	16,070	1,329	9,202	1,785
Dec 30, 1925	295,950	126,771	119,923	123,340	29,126	4,754	76,045	17,857
Dec 29, 1926	283,720	175,498	165,923	67,736	42,759	2,870	23,205	1,772
Dec 28, 1927	262,475	175,177	163,801	48,769	32,685	9,482	2,261	3,573
Chicago								
Dec 31, 1924	636,431	382,962	367,376	152,970	37,824	19,379	33,882	60,370
Dec 30, 1925	626,788	321,491	304,696	201,680	119,777	70,793	27,420	53,365
Dec 29, 1926	713,068	367,141	345,038	234,868	136,631	73,646	50,111	48,136
Dec 28, 1927	756,096	438,551	422,996	213,826	61,759	37,909	64,109	87,968
St. Louis								
Dec 31, 1924	193,329	103,503	91,863	46,903	10,130	5,303	21,391	15,068
Dec 30, 1925	174,590	63,255	52,887	67,227	20,321	8,738	22,186	24,347
Dec 29, 1926	182,067	75,302	61,542	60,890	32,516	16,278	7,730	20,844
Dec 28, 1927	200,052	90,111	77,431	62,707	19,585	12,476	4,959	38,163
Minneapolis								
Dec 31, 1924	153,309	101,480	99,872	30,464	4,452	229	8	25,788
Dec 30, 1925	149,524	86,853	84,795	41,708	3,545	769	18,763	19,078
Dec 29, 1926	145,857	90,528	87,446	35,278	4,860	624	13,061	16,791
Dec 28, 1927	144,185	77,985	74,235	44,626	2,234	484	17,872	23,900
Kansas City								
Dec 31, 1924	219,075	113,883	109,919	54,794	4,976	727	15,661	33,387
Dec 30, 1925	221,812	98,659	94,341	70,626	15,039	4,042	16,816	37,447
Dec 29, 1926	214,108	104,577	99,630	58,181	11,234	4,104	18,283	28,694
Dec 28, 1927	214,261	101,817	96,373	62,334	15,620	9,230	8,072	38,342
Dallas								
Dec 31, 1924	166,978	75,210	69,262	54,635	2,713	246	26,197	27,467
Dec 30, 1925	154,534	57,470	51,944	64,592	3,661	1,724	28,617	31,830
Dec 29, 1926	152,620	78,370	70,559	43,538	5,555	2,262	16,669	22,312
Dec 28, 1927	160,458	68,829	66,907	50,950	2,581	1,991	22,685	31,063
San Francisco								
Dec 31, 1924	450,446	278,046	274,264	125,409	15,742	7,058	54,068	55,143
Dec 30, 1925	448,194	286,150	278,387	111,909	29,964	8,594	31,440	49,938
Dec 29, 1926	435,590	264,075	257,213	118,913	48,148	10,971	31,008	39,757
Dec 28, 1927	424,955	300,163	292,326	71,516	14,966	8,755	10,485	40,075

Source. Annual reports of the Federal Reserve Board.

## No. 243.—LIABILITIES OF FEDERAL RESERVE BANKS: PRINCIPAL ITEMS

[All figures except reserve percentage in thousands of dollars]

Bank and date	Capital	Surplus	Deposit liability		Federal reserve note circulation	Federal reserve bank notes, net liability	Reserve percentage
			Net <sup>1</sup>	Members' reserve <sup>2</sup>			
<b>All banks:</b>							
Dec. 30, 1915.....	54,913		394,245		189,026		95.3
Dec. 30, 1920.....	99,770	164,745	1,604,190	1,748,979	3,344,686	216,960	45.4
Dec. 28, 1921.....	108,186	213,834	1,764,524	1,666,018	2,443,497	84,548	71.1
Dec. 27, 1922.....	107,256	215,398	1,900,253	1,861,281	2,464,121	10,632	72.1
Dec. 26, 1923.....	110,103	218,369	1,937,869	1,874,456	2,340,375	470	73.3
Dec. 31, 1924.....	112,038	217,837	2,310,608	2,220,436	1,862,062		73.0
June 24, 1925.....	115,541	217,837	2,210,414	2,139,779	1,634,235		77.0
Dec. 30, 1925.....	117,042	217,837	2,357,141	2,308,614	1,835,010		67.3
Dec. 29, 1926.....	124,824	220,310	2,345,738	2,364,144	1,857,015		70.1
Dec. 28, 1927.....	132,480	222,775	2,473,276	2,431,645	1,815,196		68.8
<b>Boston:</b>							
Dec. 31, 1924.....	7,980	16,382	144,042	140,102	207,389		66.5
Dec. 30, 1925.....	8,611	16,392	146,095	144,070	175,990		67.5
Dec. 29, 1926.....	8,800	17,020	147,809	144,306	155,397		61.9
Dec. 28, 1927.....	9,412	17,006	156,806	155,193	151,697		63.5
<b>New York:</b>							
Dec. 31, 1924.....	30,167	58,749	928,900	883,861	387,353		74.6
Dec. 30, 1925.....	32,207	58,749	948,442	932,274	384,662		72.7
Dec. 29, 1926.....	36,449	59,964	928,491	896,285	408,621		77.2
Dec. 28, 1927.....	40,310	61,614	995,652	963,668	377,304		64.4
<b>Philadelphia:</b>							
Dec. 31, 1924.....	10,518	20,059	132,635	129,677	168,737		78.5
Dec. 30, 1925.....	11,623	20,059	138,227	135,545	156,439		73.7
Dec. 29, 1926.....	12,605	20,464	142,496	138,902	136,640		69.5
Dec. 28, 1927.....	13,267	21,267	143,614	141,463	146,469		59.5
<b>Cleveland:</b>							
Dec. 31, 1924.....	12,756	22,462	168,345	163,019	196,515		64.9
Dec. 30, 1925.....	13,176	22,462	168,991	165,200	234,403		75.6
Dec. 29, 1926.....	13,618	22,894	183,524	180,084	225,601		63.4
Dec. 28, 1927.....	13,979	23,746	188,002	186,390	225,939		68.8
<b>Richmond:</b>							
Dec. 31, 1924.....	5,900	11,701	60,090	66,295	87,579		60.1
Dec. 30, 1925.....	5,965	11,701	70,409	68,285	93,482		64.7
Dec. 29, 1926.....	6,094	11,919	69,375	67,366	86,278		74.1
Dec. 28, 1927.....	6,253	12,198	74,347	73,190	80,303		46.5
<b>Atlanta:</b>							
Dec. 31, 1924.....	4,564	8,960	66,778	62,897	142,879		84.1
Dec. 30, 1925.....	4,657	8,950	63,772	62,476	169,982		50.0
Dec. 29, 1926.....	5,020	8,700	72,694	69,036	167,237		73.1
Dec. 28, 1927.....	5,145	9,632	72,903	69,690	147,230		79.6
<b>Chicago:</b>							
Dec. 31, 1924.....	15,172	30,426	320,183	312,395	196,529		74.1
Dec. 30, 1925.....	15,731	30,426	327,041	324,211	179,712		63.4
Dec. 29, 1926.....	16,720	30,613	334,081	328,171	250,556		62.8
Dec. 28, 1927.....	17,965	31,881	351,926	346,855	271,754		70.2
<b>St. Louis:</b>							
Dec. 31, 1924.....	5,129	9,971	83,850	80,511	57,813		73.2
Dec. 30, 1925.....	5,127	9,971	84,259	81,166	40,302		50.8
Dec. 29, 1926.....	5,293	9,570	83,284	80,588	48,046		67.3
Dec. 28, 1927.....	5,341	9,939	88,528	86,445	57,536		61.7
<b>Minneapolis:</b>							
Dec. 31, 1924.....	3,270	7,497	56,025	53,987	71,761		78.2
Dec. 30, 1925.....	3,183	7,497	55,891	54,213	70,067		69.0
Dec. 29, 1926.....	3,070	7,501	52,506	51,022	69,302		74.3
Dec. 28, 1927.....	3,010	7,527	57,228	55,712	61,526		65.7
<b>Kansas City:</b>							
Dec. 31, 1924.....	4,338	8,977	95,507	92,692	72,836		67.6
Dec. 30, 1925.....	4,237	8,977	94,639	92,028	74,155		56.4
Dec. 29, 1926.....	4,197	8,979	88,265	86,359	72,996		64.9
Dec. 28, 1927.....	4,234	9,029	93,782	91,912	68,045		62.9
<b>Dallas:</b>							
Dec. 31, 1924.....	4,131	7,592	67,717	65,828	55,641		61.0
Dec. 30, 1925.....	4,267	7,592	65,273	63,354	47,462		51.0
Dec. 29, 1926.....	4,302	7,615	62,267	60,914	49,230		70.3
Dec. 28, 1927.....	4,272	8,215	69,840	68,312	48,789		58.0
<b>San Francisco:</b>							
Dec. 31, 1924.....	8,113	15,071	175,646	167,192	215,030		71.2
Dec. 30, 1925.....	8,238	15,071	174,042	166,862	208,334		74.6
Dec. 29, 1926.....	8,666	15,071	180,894	173,171	187,211		71.7
Dec. 28, 1927.....	9,302	15,121	180,589	173,065	176,746		84.0

<sup>1</sup> Figures represent total deposits beginning June, 1921.<sup>2</sup> Not reported separately until January, 1917.

Source: Federal Reserve Board.



### No. 244.—DISCOUNT AND OPEN-MARKET OPERATIONS OF FEDERAL RESERVE BANKS

[NOTE.—All figures in thousands of dollars. These figures represent the aggregate of transactions during the course of each year, whether in shorter or longer term paper. For amounts held at specified dates see Tables 246, 247, and 248.]

Year and bank	Total	Bills discounted for member banks <sup>1</sup>					
		Total	Member bank collateral notes	Commercial, agricultural, and live-stock paper, n. s. s.	Demand and sight drafts	Bank-ers' accept-ances	Trade accept-ances
ALL F. R. BANKS							
1919	85,787,067	79,173,970	72,548,008	6,415,899		71,643	138,420
1920	96,527,548	85,320,874	55,565,447	29,375,108		187,162	192,157
1921	68,141,608	57,759,128	31,229,142	26,343,947		57,005	128,944
1922	28,543,552	22,082,887	15,683,463	6,351,716		3,416	44,272
1923	44,428,375	38,379,926	29,916,868	8,340,676	67,457	3,532	51,398
1924	19,863,473	15,419,155	12,456,575	2,877,127	46,621	507	34,325
1925	37,891,865	32,562,620	30,928,464	1,586,562	22,850	56	23,688
1926	43,674,574	37,682,137	35,606,981	1,951,989	12,678	175	20,316
1927	42,369,050	31,934,907	30,678,487	1,233,984	9,073	514	16,997
Boston	2,887,088	2,119,260	2,083,115	36,437		100	608
New York	19,718,143	13,854,248	13,776,222	78,265		80	1,681
Philadelphia	2,319,177	1,990,106	1,899,262	90,122			724
Cleveland	4,348,132	3,872,871	3,789,430	77,870			5,071
Richmond	1,721,425	1,500,330	1,417,231	82,009			1,089
Atlanta	794,601	667,521	421,165	240,665	1,208		4,388
Chicago	3,958,794	2,778,197	2,404,807	372,184	14	6	1,216
St. Louis	1,469,052	1,231,388	1,026,123	199,301	5,576		378
Minneapolis	352,679	141,032	130,403	10,629			
Kansas City	800,243	549,406	491,742	57,548	84	28	4
Dallas	527,752	281,981	263,112	27,630	1,614		26
San Francisco	3,471,764	2,949,165	2,885,835	63,274	284		772

Year and bank	Acceptances purchased in open market				United States securities purchased in open market				
	Total <sup>1</sup>	Bought outright <sup>2</sup>		Bought with resale agreement <sup>3</sup>	Total	Bought outright <sup>4</sup>		Bought with resale agreement <sup>5</sup>	Other secu-rities <sup>6</sup>
		Bankers	Trade			Bonds	Treasury notes and certifi-cates		
ALL F. R. BANKS									
1919	2,825,177	2,788,619	36,558		4,737,920	1,757	4,736,163		
1920	3,218,364	3,143,737	74,627		7,988,310	332	7,987,978		
1921	1,534,401	1,527,235	7,166		3,847,094	38,532	3,808,562		965
1922	1,954,688	1,948,379	6,309		4,503,801	350,196	4,155,605		176
1923	2,547,010	2,533,470	13,540		3,500,000	62,837	2,354,106	1,083,900	536
1924	2,172,142	2,159,862	8,452		2,257,918	118,312	1,912,002	226,614	15,158
1925	2,961,170	2,951,920	4,765		2,317,082	38,037	1,575,490	703,546	50,549
1926	3,353,326	1,093,861	5,591	1,647,065	2,608,045	137,162	2,051,191	419,492	31,066
1927	4,060,867	1,762,316	4,611	9,951,189	8,369,855	446,157	8,169,618	740,379	13,781
Boston	548,592	210,356		336,490	219,236	21,068	164,694	33,474	
New York	1,958,670	386,386	4,401	1,560,559	3,895,375	147,701	3,266,192	471,632	9,850
Philadelphia	150,918	148,683			176,510	19,474	154,995		1,641
Cleveland	159,466	145,699	10	2,476	319,205	36,085	280,210		
Richmond	140,610	139,305			80,779	16,598	64,181		
Atlanta	63,316	62,361			63,204	16,264	44,380		590
Chicago	370,354	264,564		102,567	610,213	54,672	551,394	204,177	
St. Louis	64,352	63,351			173,312	25,892	147,420		
Minneapolis	75,219	74,520			134,758	14,147	118,941		1,670
Kansas City	74,339	73,477			176,498	24,233	141,765	10,500	
Dallas	101,539	77,298		23,426	144,632	31,877	92,159	20,596	
San Francisco	343,586	116,332		225,624	179,013	35,720	143,287		

<sup>1</sup> Includes bills discounted for Federal intermediate credit banks as follows: 1923, \$2,250,000; 1924, \$1,100,000; 1925, \$4,406,000; 1926, \$10,501,000 and 1927, \$9,322,109; also \$504,000 of bills secured by adjusted service certificates discounted for nonmember banks in 1927.

<sup>2</sup> Includes bills payable in foreign currencies in addition to amounts shown in following columns.

<sup>3</sup> "Bought outright" includes "bills bought with resale agreement" where separate figures are not shown. The latter represent bills bought with the agreement that other banks will repurchase them in 15 days.

<sup>4</sup> Includes special temporary certificates issued to Federal reserve banks by the Secretary of the Treasury, also prior to 1922 securities, if any, purchased from other Federal reserve banks.

<sup>5</sup> Figures for 1923 and prior years represent municipal warrants; thereafter, they include also foreign loans on gold, Federal intermediate credit bank debentures, and Federal land bank bonds.

Source. Federal Reserve Board.



## No. 245.—BILLS DISCOUNTED BY FEDERAL RESERVE BANKS FOR MEMBER BANKS

[NOTE.—All figures in thousands of dollars. These figures represent the aggregate of transactions during each year, whether in shorter or longer term paper, not holdings at a specified date. Figures include bills discounted for Federal intermediate credit banks, as follows: 1923, \$2,350,000; 1924, \$1,100,000; 1925, \$4,406,000; 1926, \$10,501,000; and 1927, \$9,322,100; also includes \$504,000 of bills secured by adjusted service certificates discounted for nonmember banks in 1927]

State and division	1921	1922	1923	1924	1925	1926	1927
<b>United States</b> .....	57,759,128	52,082,887	51,379,898	15,419,155	32,582,690	37,892,137	31,934,807
<b>New England</b> .....	4,488,110	2,376,633	3,065,259	989,756	2,074,149	2,782,630	2,143,551
Maine.....	52,765	42,621	40,002	42,267	42,347	83,926	33,903
New Hampshire.....	48,790	40,246	60,722	42,453	42,577	41,450	28,658
Vermont.....	26,739	21,400	27,118	18,024	18,158	19,566	14,527
Massachusetts.....	4,170,612	2,068,564	3,395,562	645,969	1,872,731	2,557,919	1,915,716
Rhode Island.....	20,649	16,392	30,023	16,117	26,606	21,810	26,278
Connecticut.....	168,555	87,401	102,822	63,955	71,710	108,059	114,459
<b>Middle Atlantic</b> .....	39,492,579	19,422,945	22,965,677	9,070,096	21,066,597	22,163,150	18,824,865
New York.....	30,228,100	8,837,014	17,406,097	6,653,107	16,522,907	16,288,428	13,035,021
New Jersey.....	727,867	506,569	738,092	528,775	699,684	1,090,779	944,482
Pennsylvania.....	5,536,545	2,078,672	4,118,888	1,888,144	3,843,936	4,774,943	4,854,527
<b>East North Central</b> .....	4,908,757	2,156,040	3,393,186	1,478,254	3,139,645	4,071,108	3,611,842
Ohio.....	1,215,924	609,974	933,910	489,691	1,083,257	1,099,125	832,876
Indiana.....	303,207	157,253	201,529	112,549	108,387	148,441	90,515
Illinois.....	1,782,989	694,581	1,328,283	402,748	888,176	1,365,029	1,457,284
Michigan.....	1,295,969	540,791	783,676	378,601	943,034	1,213,008	1,041,452
Wisconsin.....	306,638	93,439	144,786	94,665	114,791	225,568	198,716
<b>West North Central</b> .....	3,573,788	749,919	1,772,372	663,296	980,987	1,508,908	1,236,489
Minnesota.....	474,581	97,457	223,190	64,065	73,903	203,957	124,494
Iowa.....	636,256	198,467	181,306	122,560	83,057	68,190	45,295
Missouri.....	1,044,637	290,008	1,118,323	279,964	426,014	1,079,695	934,194
North Dakota.....	65,304	20,768	14,276	12,030	3,430	4,915	6,004
South Dakota.....	93,325	27,885	19,594	13,448	8,319	6,412	4,728
Nebraska.....	175,230	85,134	173,458	50,305	69,966	122,761	97,868
Kansas.....	85,460	30,200	32,926	20,994	15,378	23,072	23,769
<b>South Atlantic</b> .....	2,156,489	1,651,636	2,237,806	1,364,661	2,618,514	3,089,261	1,680,184
Delaware.....	38,614	16,731	11,578	5,976	8,078	11,350	11,509
Maryland.....	569,550	269,906	463,142	160,308	410,487	517,286	567,062
District of Columbia.....	99,238	264,791	613,041	105,456	126,566	177,171	67,324
Virginia.....	1,428,846	526,888	1,233,751	507,935	785,602	1,079,021	596,760
West Virginia.....	123,204	124,432	206,636	280,940	301,272	287,127	157,504
North Carolina.....	311,828	131,470	358,458	308,177	733,970	718,093	81,115
South Carolina.....	253,535	102,574	46,491	55,961	57,007	72,292	28,589
Georgia.....	422,646	157,366	210,443	161,060	192,591	241,522	28,951
Florida.....	109,041	37,459	70,065	28,218	2,941	43,219	41,290
<b>East South Central</b> .....	1,215,666	680,896	1,087,396	464,661	427,931	371,400	662,172
Kentucky.....	396,523	446,591	746,537	186,961	250,809	639,986	445,376
Tennessee.....	615,489	150,536	229,722	200,045	114,938	231,226	103,067
Alabama.....	148,350	61,382	65,377	48,689	47,733	76,144	90,894
Mississippi.....	65,333	22,117	25,760	29,966	14,451	24,094	22,815
<b>West South Central</b> .....	1,632,417	477,086	691,458	486,779	489,200	679,517	700,570
Arkansas.....	186,439	74,450	87,571	73,260	69,635	111,101	50,164
Louisiana.....	511,488	153,952	275,523	194,608	228,025	324,753	356,926
Oklahoma.....	239,655	56,677	60,393	37,621	17,349	32,153	26,260
Texas.....	694,835	192,019	267,971	131,290	114,191	211,510	267,310
<b>Mountain</b> .....	780,360	496,817	346,647	164,451	163,668	174,519	232,370
Montana.....	65,531	28,370	17,997	7,473	1,792	2,107	1,903
Idaho.....	227,461	211,076	127,964	76,419	35,689	12,566	13,250
Wyoming.....	28,863	8,955	5,041	4,637	484	787	693
Colorado.....	141,255	77,258	139,377	35,445	68,720	110,579	129,651
New Mexico.....	28,151	14,471	15,056	5,961	2,497	1,619	2,020
Arizona.....	33,709	17,758	5,337	2,196	2,309	4,008	3,337
Utah.....	263,152	66,666	35,792	22,293	52,091	42,763	71,506
Nevada.....	2,238	263	283	37	80	.....	.....
<b>Pacific</b> .....	2,306,939	1,241,673	1,940,926	828,752	2,062,925	2,361,572	2,669,452
Washington.....	234,339	75,274	122,684	71,349	151,109	152,548	184,194
Oregon.....	144,946	59,387	107,644	63,468	64,381	109,758	51,249
California.....	1,923,647	1,107,212	1,710,698	693,935	1,827,435	2,099,266	2,633,010

Source: Federal Reserve Board.

**No. 246.—FEDERAL RESERVE BANKS: HOLDINGS OF ACCEPTANCES BOUGHT IN OPEN MARKET AND FROM OTHER FEDERAL RESERVE BANKS, AS OF DECEMBER 31**

[NOTE.—All figures in thousands of dollars. "All other bankers' acceptances" includes bills payable in foreign currencies in 1924 to 1927.]

Bank and year	Total	Bankers' acceptances, based on <sup>1</sup> —							Trade acceptances, total
		Total	Imports	Exports	Goods stored abroad or in transit	Domestic transactions	Dollar exchange	All other	
<b>All F. R. banks:</b>									
1919	574,103	566,369							7,734
1920	260,406	258,678							1,528
1921	143,263	145,045		99,919		33,902	11,164		218
1922	272,122	270,944		194,771		65,380	9,743	1,150	1,178
1923	354,637	351,974		240,868		90,445	20,452	209	2,063
1924	387,100	386,873		264,620		94,556	6,882	815	227
1925	374,356	373,139		301,191		63,846	6,112	1,990	1,217
1926	380,966	379,728	131,907	120,335	27,714	77,098	8,434	3,640	1,256
1927	392,039	391,337	84,684	116,210	81,342	95,798	6,196	5,271	702
Boston	48,410	48,410	9,318	11,966	8,023	18,026	700	378	
New York	97,652	96,960	20,285	28,209	27,140	17,413	1,315	2,598	692
Philadelphia	44,523	44,523	8,060	12,836	7,784	13,653	1,085	1,096	
Cleveland	20,175	20,185	4,110	6,306	4,978	3,839	116	818	10
Richmond	48,837	48,837	14,459	13,663	9,536	10,641	525	13	
Atlanta	2,238	2,238	870	622		536		10	
Chicago	62,295	62,295	14,406	18,912	13,364	14,107	1,448	58	
St. Louis	5,046	5,046	1,491	2,447	498	509	90	11	
Minneapolis	18,319	18,319	4,052	6,750	3,180	3,887	442	8	
Kansas City	7,891	7,891	2,195	2,940	1,000	1,642	115	9	
Dallas	22,811	22,811	3,963	8,226	3,694	6,559	260	9	
San Francisco	13,842	13,842	1,415	5,136	1,955	5,073		263	

<sup>1</sup> Distribution by classes not available prior to 1921.

**No. 247.—HOLDINGS OF UNITED STATES SECURITIES BY FEDERAL RESERVE BANKS, AS OF DECEMBER 31**

[NOTE.—All figures in millions and tenths of millions of dollars. Certificates include Pittman Act certificates as follows: 1919 and 1920, \$259,400,000; 1921, \$113,000,000.]

Bank and year	Total	Bonds	Notes	Certificates	Bank and year	Total	Bonds	Notes	Certificates
<b>All F. R. banks:</b>					<b>Atlanta:</b>				
1919	300.1	26.8	0.1	273.2	1925	19.8	3.0	9.8	7.0
1920	287.0	26.3	.1	260.6	1926	1.9	.4	1.5	
1921	234.1	33.0	17.6	183.5	1927	13.6	6.0	.9	6.7
1922	436.2	28.9	180.4	226.9	<b>Chicago:</b>				
1923	133.6	29.5	87.0	17.1	1925	52.8	20.2	19.0	13.7
1924	540.2	75.3	349.4	115.5	1926	48.8	20.5	5.5	22.8
1925	374.6	60.8	187.1	126.7	1927	90.0	48.9	8.1	33.0
1926	314.8	48.0	87.4	179.5	<b>St. Louis</b>				
1927	618.3	391.0	68.9	956.7	1925	24.3	1.7	14.7	7.9
<b>Boston</b>					1926	21.1	2.0	7.0	12.1
1925	12.7	.6	1.8	10.3	1927	38.2	18.9	7.4	11.9
1926	10.2	.5	2.1	7.5	<b>Minneapolis</b>				
1927	33.4	15.2	2.5	15.7	1925	19.1	7.7	7.1	4.3
<b>New York</b>					1926	17.0	7.6	1.8	7.6
1925	57.2	1.9	43.1	12.1	1927	23.9	11.7	4.4	7.6
1926	56.9	1.4	11.8	45.9	<b>Kansas City:</b>				
1927	181.5	66.3	21.8	93.4	1925	37.5	8.4	18.4	10.7
<b>Philadelphia</b>					1926	29.2	8.8	4.1	16.2
1925	24.1	.6	4.0	19.4	1927	38.3	21.2	2.7	14.4
1926	20.2	.6	15.4	4.3	<b>Dallas</b>				
1927	45.7	17.4	6.4	21.8	1925	31.8	6.9	17.2	7.6
<b>Cleveland</b>					1926	23.3	3.7	3.8	15.8
1925	36.4	8.1	19.6	8.7	1927	32.0	18.1	2.7	11.2
1926	36.2	1.2	18.3	16.7	<b>San Francisco</b>				
1927	61.5	35.0	9.0	17.5	1925	49.9	.5	28.8	20.7
<b>Richmond</b>					1926	40.7	.1	14.9	25.7
1925	8.9	1.2	3.5	4.2	1927	46.1	26.0	2.3	17.9
1926	7.4	1.2	1.3	5.0					
1927	12.5	6.2	7	5.5					

Source of Tables 246 and 247: Federal Reserve Board.

# No. 248.—HOLDINGS OF DISCOUNTED BILLS BY FEDERAL RESERVE BANKS: BY CLASSES AND MATURITIES

[NOTE.—All figures in thousands of dollars. Figures by maturities in certain years are for an earlier date than those by classes and in such cases the totals may differ materially]

Bank and date	Total (all classes)	Rediscounted bills				Member bank collateral notes	
		Commercial and agri- cultural paper, not elsewhere specified	Bankers' accept- ances	Trade accept- ances	Paper secured by United States Govern- ment obli- gations	Secured by United States Govern- ment obli- gations	Other- wise secured
All Federal reserve banks:							
Dec. 28, 1917.....	680,706	309,534	(1)	(1)	132,774	150,647	87,751
Dec. 27, 1918.....	1,702,938	264,967	(1)	15,985	363,023	1,087,348	21,615
Dec. 26, 1919.....	2,194,878	627,083	15,479	33,697	352,568	1,157,766	8,255
Dec. 30, 1920.....	2,719,134	1,521,546	17,218	21,427	271,526	869,510	17,907
Dec. 31, 1921.....	1,144,346	631,038	338	9,985	41,511	443,722	17,752
Dec. 30, 1922.....	617,780	270,781	330	4,844	3,618	328,172	10,035
Dec. 31, 1923.....	723,068	355,816	233	7,042	2,919	349,766	5,292
Dec. 31, 1924.....	314,128	102,086		3,353	1,276	185,564	21,849
Dec. 31, 1925.....	635,193	177,311		2,357	1,872	380,279	72,374
Dec. 31, 1926.....	626,628	170,961		2,812	1,111	364,169	97,575
Dec. 31, 1927.....	581,563	87,988		1,400	168	417,566	74,599
Boston.....	28,568	9,461		76	54	19,097	
New York.....	281,336	5,175		38		230,800	45,325
Philadelphia.....	67,371	7,529		39	2	50,040	9,761
Cleveland.....	60,845	6,439		464	7	51,991	1,944
Richmond.....	25,424	7,021		170	23	9,552	8,658
Atlanta.....	23,203	16,891		527	33	8,020	2,752
Chicago.....	52,670	19,060		20	10	30,966	2,614
St. Louis.....	19,417	4,664		7	30	12,040	2,678
Minneapolis.....	1,905	1,480			1	328	96
Kansas City.....	9,634	6,145			2	3,227	260
Dallas.....	878	200			1	610	67
San Francisco.....	5,220	2,950		49		985	226

Bank and date	Total	Maturity of discounted bills					
		Within 15 days	16 to 30 days	31 to 60 days	61 to 90 days	After 90 days	Average for year <sup>1</sup>
All Federal reserve banks:							
Dec. 30, 1915.....	32,368	<sup>2</sup> 8,229	<sup>4</sup> 9,012	9,352	4,694	4,081	
Dec. 29, 1916.....	30,196	<sup>1</sup> 9,927	<sup>4</sup> 11,794	5,006	2,423	1,046	
Dec. 28, 1917.....	680,706	333,373	67,367	175,006	83,974	8,966	
Dec. 27, 1918.....	1,702,938	1,149,955	266,107	166,876	93,061	26,939	11.81
Dec. 26, 1919.....	2,194,878	1,484,790	244,890	292,715	162,125	20,368	10.12
Dec. 30, 1920.....	2,719,134	1,632,885	280,406	430,676	311,619	63,548	12.29
Dec. 28, 1921.....	1,179,833	708,361	116,690	161,202	131,936	61,644	13.63
Dec. 27, 1922.....	629,685	436,465	48,609	63,372	50,059	31,380	12.14
Dec. 26, 1923.....	857,151	612,600	64,310	84,069	66,514	29,598	9.89
Dec. 31, 1924.....	314,128	241,603	18,335	26,413	17,343	10,434	12.39
Dec. 30, 1925.....	749,672	616,325	35,816	53,162	33,426	16,951	7.99
Dec. 29, 1926.....	710,931	575,544	38,896	49,876	37,232	9,414	8.04
Dec. 28, 1927.....	609,208	437,433	18,320	24,392	18,617	7,688	7.98
Boston.....	40,963	38,794	683	1,004	470	12	7.41
New York.....	263,487	257,935	1,147	2,463	1,921	21	4.56
Philadelphia.....	55,829	49,859	1,667	2,399	1,891	13	10.02
Cleveland.....	70,572	62,951	2,043	3,128	2,331	119	4.97
Richmond.....	28,636	24,225	1,475	1,768	1,044	124	6.10
Atlanta.....	32,685	19,132	3,536	5,604	3,892	519	27.93
Chicago.....	61,759	43,375	4,839	7,104	4,474	1,967	15.89
St. Louis.....	19,585	16,167	1,161	1,355	615		13.21
Minneapolis.....	2,234	875	95	195	269	800	15.73
Kansas City.....	15,920	10,499	646	870	1,220	2,665	13.64
Dallas.....	2,581	2,271	96	104	56	54	11.90
San Francisco.....	14,658	11,399	940	898	434	1,287	7.67

<sup>1</sup> Included with "commercial and agricultural paper, not elsewhere specified."

<sup>2</sup> Represents average maturity (in days) of all time bills discounted during year.

<sup>3</sup> Within 15 days.

<sup>4</sup> From 11 to 30 days.

Source: Federal Reserve Board.

## No. 249.—DISCOUNT RATES OF FEDERAL RESERVE BANKS SINCE ORGANIZATION

Bank and period	Commercial, agricultural, and livestock paper, not elsewhere specified						Agricultural and livestock paper 91 days to 6 months		Paper within 90 days secured by U. S. Gov't obligations		Trade acceptances within 60 days		Trade acceptances 61 to 90 days		Bankers' acceptances within 3 months		Commodity paper within 90 days	
	Within 30 days		31 to 60 days		61 to 90 days		High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
	High	Low	High	Low	High	Low												
<b>Boston, 1914-15<sup>1</sup></b>	5	3	6	4	6	4	6	5			3½	3½	3½	3½			3½	3½
1916	4	3	4	4	4	4	5	5			4	3½	3½	3½			4	3½
1917	5	3½	5	4	5	4	5	5	4	3½	4	3½	4	3½			4	4
1918	6	4	5	4½	5	4½	5	5	4½	3½	4½	4	4½	4				
1919	4½	4	4½	4	4½	4	5	5	4½	4	4½	4	4½	4				
1920	7	4½	7	4	7	4	7	5	6	4½	7	4½	7	4	5	5		
1921	7	4½	7	4	7	4	7	4½	6	4½	7	4	7	4	7	4½		
<b>New York, 1914-15<sup>1</sup></b>	5½	3	6	4	6	4	6	5			3½	3½	3½	3½				
1916	4	3	4	4	4	4	5	5			3½	3½	3½	3½				
1917	4½	3	4½	4	4½	4	5	5	4	3	4	3½	4	3½				
1918	4½	3½	4½	4	4½	4	5	5	4½	3½	4½	4	4½	4	4½	4		
1919	4½	4	4½	4	4½	4	5	5	4½	4	4½	4	4½	4	4½	4		
1920	7	4½	7	4	7	4	7	5	6	4½	7	4½	7	4	6	4½		
1921	7	4½	7	4	7	4	7	4½	6	4½	7	4	7	4	6	4½		
<b>Philadelphia, 1914-15<sup>1</sup></b>	5½	3	6	4	6	4	6	4½			3	3	3	3			3	3
1916	4	3	4	4	4	4	4½	4½			3½	2	3½	2			3½	3
1917	4½	3	4½	4	4½	4	5	4½	4	3	4	3½	4	3½			3½	3½
1918	4½	4	4½	4	4½	4	5	5	4½	3½	4½	4	4½	4				
1919	6	4	4	4	4	4	5	5	4½	4	4	4	4	4				
1920	6	4½	6	4	6	4	6	5	6	4½	6	4½	6	4	6	5		
1921	6	4½	6	4	6	4	6	4½	6	4½	6	4	6	4	6	4½		
<b>Cleveland, 1914-15<sup>1</sup></b>	6	3½	6	4	6	4½	6	5			3½	3½	4	4				
1916	4	3	4½	4	4½	4	5	5			3½	3	4	3½				
1917	4½	3	4½	4	4½	4	5	5	4	3	4	3	4	4			4	4
1918	4½	4	4½	4	4½	4	5	5	4½	3½	4½	4	4½	4				
1919	4½	4	4½	4	4½	4	5	5	4½	4	4½	4	4½	4	4½	4½		
1920	6	4	6	4	6	4	6	5	6	4½	6	4½	6	4	5	5		
1921	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5		
<b>Richmond, 1914-15<sup>1</sup></b>	6	4	6	4	6	4	6	5			3½	3½	4	4			3	3
1916	4	4	4	4	4	4	5	4½			3½	3	4	3½			3½	3
1917	4½	3½	4½	4	4½	4	5	4½	4	3½	4	3½	4	3½			3½	3½
1918	5	4	5	4½	5	4½	5	4½	4½	3½	4½	4	4½	4				
1919	4½	4	4½	4	4½	4	5	5	4½	4	4½	4	4½	4				
1920	6	4	6	4	6	4	6	5	6	4	6	4	6	4	6	5		
1921	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5		
<b>Atlanta, 1914-15<sup>1</sup></b>	6	4	6½	4	6½	4	6½	4½			3½	3½	3½	3½			3	3
1916	4	4	4	4	4	4	5	5			3½	3	3½	3			3½	3
1917	4½	3½	4½	4	4½	4	5	5	4	3½	4	3½	4	3½			3½	3
1918	4	4	4	4	4	4	5	5	4	3	4	4	4	4				
1919	4½	4	4½	4	4½	4	5	5	4½	4	4½	4	4½	4				
1920	7	4½	7	4	7	4	7	5½	6	4½	7	4½	7	4	6	5		
1921	7	5	7	5	7	5	7	6	6	5	7	5	7	5	6	5		
<b>Chicago, 1914-15<sup>1</sup></b>	6	3½	6	4	6	4½	6	5			3½	3½	3½	3½				
1916	4	3	4½	4	4½	4	5	5			3½	3	3½	3				
1917	4½	3½	4½	4	5	4	5½	5	4	3	4	3½	4	3½				
1918	4½	4	4½	4	5	4	5	5	4½	3½	4½	4	4½	4				
1919	4	4	4	4	4	4	5	5	4	4	4	4	4	4				
1920	7	4½	7	4	7	4	7	5½	6	4½	7	4½	7	4	6	5		
1921	7	5	7	5	7	5	7	5	6	5	7	5	7	5	6	5		
<b>St. Louis, 1914-15<sup>1</sup></b>	6	3	6	4	6	4	6	5			3½	3½	3½	3½			3	3
1916	4	3	4	4	4	4	5	4½			3½	3	3½	3			3	3
1917	4½	3½	4½	4	4½	4	5	4½	4	3	4	3	4	3			3	3½
1918	4½	4	4½	4	4½	4	5	5	4½	3½	4½	4	4½	4				
1919	4½	4	4½	4	4½	4	5	5	4½	4	4½	4	4½	4				
1920	6	4½	6	4	6	4	6	5	5	4½	6	4	6	4	5½	5		
1921	6	5	6	5	6	5	6	5	6	5	6	5	6	5	5½	5		
<b>Minneapolis, 1914-15<sup>1</sup></b>	6	4	6½	4	6½	4	6½	5			3½	3½	3½	3½			3	3
1916	4	4	4	4	4	4	5	5			3	3	3	3			3	3
1917	4	4	4	4	4	4	5	5	4	3	4	3	4	3			4	3½
1918	4	4	4	4	5	5	5	5	4½	3	4	3	4	4				
1919	4	4	4	4	5	5	5	5	5	4	4	4	4	4				
1920	7	4	7	4	7	5	7	5	6	4	6	4	6	4	6	5		
1921	7	5½	7	5	7	6½	7	5½	6	5	6	5	6	5	6	5½		

For footnotes see p. 247.

## No. 249.—DISCOUNT RATES OF FEDERAL RESERVE BANKS SINCE ORGANIZATION—Continued

Bank and period	Commercial, agricultural, and livestock paper, not elsewhere specified.						Agricultural and livestock paper 91 days to 6 months		Paper within 90 days secured by U. S. Gov't obligations		Trade acceptances within 60 days <sup>1</sup>		Trade acceptances 61 to 90 days		Bankers' acceptances within 3 months		Commodity paper within 90 days <sup>2</sup>	
	Within 30 days		31 to 60 days		61 to 90 days		High	Low	High	Low	High	Low	High	Low	High	Low	High	Low
	High	Low	High	Low	High	Low												
<b>Kansas City: 1914-15<sup>3</sup></b>	6	3½	6½	4	6½	4	5½	5			3½	3½	3½	3½			3	3
1916	4½	3½	4½	4	4½	4	5	5			4	3½	4	3½			4	3
1917	4½	4	4½	4½	4½	4½	5	5	4	3	4	4	4	4			4	4
1918	5½	4	5	4½	5½	4½	5½	5	4½	3½	4½	4	4½	4				
1919	5	4½	5	5	5	5	5½	5½	5	4	5	4½	5	4½				
1920	6	5	6	5	6	5	6	5½	6	4½	6	5	6	5	5½	5		
1921	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5		
<b>Dallas: 1914-15<sup>3</sup></b>	6	4	6½	4	6½	4	6½	4½			3½	3½	4	4			3	3
1916	4	4	4	4	4	4	4½	4½			3½	3½	4	3½			3	3
1917	4½	3½	4½	4	4½	4	5	4½	4	3½	3½	3½	4	3½			3½	3
1918	4½	4	4½	4½	5	4½	5½	5	4½	3½	4½	3½	4½	4				
1919	5	4½	5	4½	5	5	5½	5½	5	4	5	4½	5	4½				
1920	6	5	6	5	6	5	6	5½	6	4½	6	5	6	5	5½	5		
1921	7	5½	7	5½	7	5½	7	5½	6	5	7	5½	7	5½	7	5½		
<b>San Francisco: 1914-15<sup>3</sup></b>	6	3	6½	4	6½	4½	6½	5			3	3	3½	3½			(3)	(3)
1916	3½	3	4	4	4½	4½	6	5½			3	3	3½	3½			(3)	(3)
1917	4½	3½	4½	3½	4½	4½	5½	5½	4	3½	4	3	4	3				
1918	5	4	5	4½	5	4½	5½	5½	4½	3½	4½	4	4½	4				
1919	5	4½	5	4½	5	4½	5½	5½	4½	4	5	4½	5	4½				
1920	6	4½	6	4½	6	4½	6	5½	6	4½	6	4½	6	4½	6	5		
1921	6	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5		

## RATES IN EFFECT JANUARY 1, 1922, AND CHANGES TO END OF 1927

[NOTE.—During these years the same rates applied to all classes of paper, except where otherwise noted. Rates shown on the last date specified remained in force at least to Dec. 31, 1927.]

Bank and date of change	Rate	Bank and date of change	Rate	Bank and date of change	Rate	Bank and date of change	Rate
<b>Boston</b>		<b>Philadelphia</b>		<b>Atlanta</b>		<b>Kansas City:</b>	
Jan. 1, 1922.....	4½	Jan. 1, 1922.....	4½	Jan. 1, 1922.....	5	Jan. 1, 1922.....	6
June 23, 1922.....	4	June 19, 1924.....	3½	Mar. 15, 1922.....	4½	Aug. 12, 1922.....	4½
Feb. 23, 1923.....	4½	June 26, 1924.....	3½	June 18, 1924.....	4	July 1, 1924.....	4
June 12, 1924.....	3½	Nov. 20, 1925.....	4	Aug. 13, 1927.....	3½	July 29, 1927.....	3½
Nov. 10, 1925.....	4	Sept. 8, 1927.....	3½	<b>Chicago:</b>		<b>Dallas</b>	
Aug. 5, 1927.....	3½	<b>Cleveland</b>		Jan. 1, 1922.....	5	Jan. 1, 1922.....	6½
<b>New York</b>		Jan. 1, 1922.....	5	Mar. 25, 1922.....	4½	Jan. 9, 1922.....	5
Jan. 1, 1922.....	4½	Feb. 14, 1923.....	4½	June 14, 1924.....	4	July 12, 1922.....	4½
June 22, 1922.....	4	June 2, 1924.....	4	Sept. 7, 1927.....	3½	July 16, 1924.....	4
Feb. 23, 1923.....	4½	Aug. 15, 1924.....	3½	<b>St. Louis:</b>		Aug. 12, 1927.....	3½
May 1, 1924.....	4	Nov. 17, 1925.....	4	Jan. 1, 1922.....	5	<b>San Francisco:</b>	
June 12, 1924.....	3½	Aug. 6, 1927.....	3½	Apr. 6, 1922.....	4½	Jan. 1, 1922.....	5
Aug. 8, 1924.....	3	<b>Richmond</b>		June 19, 1924.....	4	Jan. 23, 1922.....	4½
Feb. 27, 1925.....	3½	Jan. 1, 1922.....	5	Aug. 4, 1927.....	3½	July 8, 1922.....	4
Jan. 8, 1926.....	4	Apr. 14, 1923.....	4½	<b>Minneapolis:</b>		Mar. 6, 1923.....	4½
Apr. 23, 1926.....	3½	June 14, 1924.....	4	Jan. 1, 1922.....	5½	June 10, 1924.....	4
Aug. 12, 1926.....	4	Aug. 16, 1927.....	3½	Jan. 11, 1922.....	5	Aug. 25, 1924.....	3½
Aug. 5, 1927.....	3½			Aug. 15, 1922.....	4½	Nov. 23, 1925.....	4
				Oct. 15, 1924.....	4	Sept. 10, 1927.....	3½
				Sept. 13, 1927.....	3½		

<sup>1</sup> In March, 1917, the Federal Reserve Board ruled that when the 60-day trade acceptance rate was higher than the 15-day commercial paper rate, trade acceptances maturing within 15 days were to be taken at the lower rate.

<sup>2</sup> Commodity rates were established during September and October, 1915, and merged with those for commercial paper of corresponding maturities in November and December, 1917.

<sup>3</sup> Nov. 16, 1914, to Dec. 31, 1915.

<sup>4</sup> Rate: for bills maturing within 30 days, 3½ per cent; 31 to 60 days, 4 per cent; 61 to 90 days, 4½ per cent.

<sup>5</sup> Oct. 20, 1917, rate of 3½ per cent for commodity paper maturing within 60 days and 4 per cent for paper maturing after 60 days but within 90 days.

<sup>6</sup> Five per cent on 6 to 9 month agricultural and livestock paper from Apr. 7, 1923, to June 11, 1924.

<sup>7</sup> Five per cent on 6 to 9 month agricultural and livestock paper from Apr. 19, 1923, to June 25, 1924. 4½ per cent on 91 days to 6 months agricultural and livestock paper from June 19 to June 25, 1924.

Source: Federal Reserve Board.

FEDERAL RESERVE BANKS

No. 250.—GOLD SETTLEMENT FUND: SUMMARY OF TRANSACTIONS THROUGH THE FUND, JANUARY 1 TO DECEMBER 31

[All figures in thousands of dollars]

Bank and year	Balance Jan. 1	Daily settlements				Interreserve bank transfers		With- drawals	Deposits	Balance in fund at close of busi- ness Dec. 31	Net loss or gain of gold through—		
		Transit clearings		Federal Reserve note clearings		Loss	Gain				Combined clear- ings and transfers		
		Debits	Credits	Debits	Credits								
												Debits	Credits
All banks:													
1915.....	(1)	1,052,649	1,052,649	(1)	(1)	(1)	(1)	78,040	165,800	77,760	85,697	85,697	.....
1916.....	77,760	5,533,966	5,533,966	(1)	(1)	(1)	(1)	281,070	323,050	169,740	223,870	223,870	.....
1917.....	169,740	24,319,080	24,319,080	(1)	(1)	2,643,846	2,643,846	1,285,739	1,377,643	311,644	2,154,721	2,154,721	.....
1918.....	311,644	45,439,487	45,439,487	(1)	(1)	4,812,105	4,812,105	1,614,780	1,705,012	401,926	2,670,339	2,670,339	.....
1919.....	401,926	66,053,393	66,053,393	(1)	(1)	7,930,859	7,930,859	1,871,933	1,799,744	329,737	3,526,274	3,526,274	.....
1920.....	329,737	85,074,220	85,074,220	(1)	(1)	7,551,585	7,551,585	1,657,984	1,685,525	357,278	1,565,839	1,565,839	.....
1921.....	357,278	64,934,801	64,934,801	(1)	(1)	3,289,081	3,289,081	2,308,221	2,468,006	522,063	1,150,002	1,150,002	.....
1922.....	522,063	75,335,987	75,335,987	(1)	(1)	1,153,975	1,153,975	1,793,034	1,825,333	554,362	748,639	748,639	.....
1923.....	554,362	89,614,733	89,614,733	(1)	(1)	1,039,150	1,039,150	1,764,344	1,781,070	571,088	389,239	389,239	.....
1924.....	571,088	97,698,325	97,698,325	(1)	(1)	919,570	919,570	1,921,782	2,030,159	679,465	506,468	506,468	.....
1925.....	679,465	108,289,466	108,289,466	(1)	(1)	908,951	908,951	1,778,958	1,788,648	689,155	513,856	513,856	.....
1926.....	689,155	115,455,296	115,455,296	635,804	635,804	1,043,400	1,043,400	3,029,197	3,005,303	665,261	800,815	800,815	246,206
1927.....	665,261	123,031,517	123,031,517	673,154	673,154	1,496,656	1,496,656	3,797,340	3,660,256	598,177	678,794	678,794	971,340
Boston.....	39,336	11,694,858	11,937,457	61,846	50,383	218,700	15,500	155,000	107,650	19,922	.....	242,599	27,936
New York.....	223,475	39,978,338	39,578,830	130,707	188,917	373,950	950,708	2,283,310	1,983,660	159,285	.....	.....	235,460
Philadelphia.....	32,699	9,915,676	10,044,981	71,277	65,220	172,000	24,800	161,600	190,100	37,247	.....	129,305	23,952
Cleveland.....	56,282	9,261,860	9,328,316	107,915	50,003	95,500	78,600	126,500	132,000	43,426	.....	66,456	8,356
Richmond.....	27,242	7,672,278	7,675,152	34,023	45,899	111,500	35,400	24,500	79,418	20,810	.....	2,874	61,350
Atlanta.....	21,707	4,014,127	4,127,362	48,227	42,069	115,000	12,300	240,950	226,687	11,791	.....	113,235	4,397
Chicago.....	131,481	16,487,958	16,530,844	88,972	91,833	114,500	72,300	187,000	155,144	103,172	.....	42,886	3,547
St. Louis.....	33,193	7,215,760	7,101,054	19,852	40,999	17,000	81,800	122,700	136,400	18,134	114,706	.....	28,759
Minneapolis.....	20,483	2,255,031	2,216,490	21,843	19,892	9,500	29,200	29,000	46,140	16,831	38,541	.....	20,792
Kansas City.....	30,512	5,497,239	5,371,200	30,007	28,740	32,008	78,900	48,000	125,400	27,498	126,039	.....	80,414
Dallas.....	19,090	4,019,801	4,045,721	19,064	18,946	48,000	17,350	70,650	71,150	14,742	.....	25,920	4,848
San Francisco.....	29,761	5,018,591	5,074,110	39,421	30,233	129,000	39,800	338,130	406,557	55,319	.....	55,519	42,869

<sup>1</sup> Established May 20, 1915.

<sup>2</sup> Included in transit clearings.

Source: Federal Reserve Board.

**No. 251.—FEDERAL RESERVE AGENTS' GOLD FUND: SUMMARY OF TRANS-  
ACTIONS, JANUARY 1 TO DECEMBER 31**

[All figures in thousands of dollars]

Federal reserve agent at—	Balance Jan 1	With- drawals	Deposits	Transfers to bank	Transfers from bank	Balance Dec 31
<b>All F. R. banks:</b>						
1918	406, 604	102, 694	35, 021	1, 011, 831	1, 512, 297	928, 497
1919	928, 497	1, 011, 870	165, 000	675, 440	1, 479, 640	686, 327
1920	886, 827	1, 060, 700	451, 350	498, 585	1, 118, 300	686, 692
1921	806, 692	1, 598, 500	1, 023, 854	587, 372	1, 651, 210	1, 894, 884
1922	1, 394, 884	924, 000	492, 900	609, 502	1, 326, 816	1, 681, 098
1923	1, 681, 098	755, 000	148, 500	563, 704	1, 140, 000	1, 648, 894
1924	1, 648, 894	626, 000	149, 500	1, 022, 750	1, 158, 250	1, 307, 894
1925	1, 307, 894	558, 795	120, 000	975, 567	1, 081, 700	960, 232
1926	960, 232	568, 150	112, 250	1, 799, 386	2, 258, 488	963, 434
1927	963, 434	454, 200	83, 350	2, 436, 401	2, 814, 280	1, 088, 839
Boston	44, 000	110, 000	45, 000	60, 000	155, 000	74, 000
New York	91, 000			1, 574, 000	1, 680, 000	95, 000
Philadelphia	98, 877	120, 000		72, 700	161, 000	65, 777
Cleveland	130, 000			80, 000	75, 000	125, 000
Richmond	35, 000	40, 750	3, 750	11, 000	13, 000	
Atlanta	116, 000	87, 450		146, 500	238, 950	121, 000
Chicago	160, 644	2, 000		55, 644	142, 000	245, 000
St. Louis	10, 300	23, 000	1, 000	72, 500	115, 700	31, 500
Minneapolis	46, 000	4, 000		30, 000	21, 000	33, 000
Kansas City	80, 380	40, 000	12, 500	26, 000	48, 000	55, 860
Dallas	16, 000	12, 000		39, 500	50, 000	13, 500
San Francisco	157, 263	14, 000		288, 557	314, 000	168, 696

**No. 252.—FEDERAL RESERVE BANKS: OPERATIONS OF BRANCHES**

[All figures in thousands of dollars]

Federal reserve branch and year	Bills dis- counted and bought	Currency and coin re- ceived and counted	Checks handled	Nongash collection items handled		Transfers of funds	Fiscal agency— issues, redemptions, and exchanges of U. S. securities
				Government coupons	All other		
<b>All branches:</b>							
1920	5, 836, 678	1, 616, 708	37, 560, 687	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	
1921	5, 742, 170	1, 804, 992	30, 841, 136	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	
1922	2, 941, 917	1, 815, 877	32, 180, 339	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	
1923	4, 315, 501	2, 459, 946	53, 197, 150	107, 134	1, 069, 929	13, 281, 545	415, 246
1924	2, 104, 790	2, 495, 451	54, 763, 840	99, 927	975, 142	15, 963, 121	221, 225
1925	3, 594, 053	2, 649, 136	60, 989, 227	94, 754	1, 033, 263	18, 510, 551	195, 249
1926	4, 499, 314	2, 879, 738	64, 716, 081	86, 637	1, 138, 245	20, 210, 569	183, 945
1927	4, 071, 586	2, 809, 540	64, 784, 395	79, 633	1, 150, 370	22, 940, 967	384, 348
No. 2. Buffalo	830, 765	253, 706	3, 190, 493	1, 710	74, 632	1, 319, 904	6, 330
No. 4. Cincinnati		141, 056	6, 532, 231	14, 918	60, 212	588, 937	56, 995
Pittsburgh		409, 190	12, 010, 181	16, 557	54, 817	949, 262	111, 035
No. 5. Baltimore	502, 392	278, 543	4, 464, 972	7, 061	124, 461	1, 397, 535	59, 489
Charlotte		2, 340	146, 604	9	3, 569	89, 603	
No. 6. Birmingham		44, 644	1, 882, 196	325	20, 211	136, 973	1, 270
Jacksonville		91, 284	2, 290, 432	712	32, 047	231, 110	4
Nashville		45, 119	1, 975, 523	514	37, 532	158, 741	3
New Orleans	392, 035	112, 356	1, 845, 170	2, 554	36, 416	522, 741	68, 506
No. 7. Detroit	993, 353	469, 230	6, 893, 619	5, 932	137, 481	3, 540, 559	33, 281
No. 8. Little Rock	43, 983	35, 897	939, 949	348	22, 099	382, 051	1, 222
Louisville	432, 925	109, 007	2, 675, 280	3, 733	34, 545	651, 456	9, 382
Memphis	42, 367	78, 206	1, 296, 707	890	49, 039	755, 028	3, 580
No. 9. Helena	1, 903	14, 760	428, 440	563	7, 909	144, 541	4
No. 10. Denver	130, 307	49, 270	1, 921, 628	3, 393	43, 372	881, 289	4, 584
Oklahoma City		35, 694	2, 498, 455	960	46, 014	265, 023	1, 232
Omaha	98, 559	37, 472	1, 561, 343	1, 841	63, 773	1, 198, 579	2, 306
No. 11. El Paso	11, 071	28, 628	373, 854	331	9, 353	188, 667	388
Houston	23, 722	48, 411	1, 732, 692	1, 008	71, 779	1, 541, 488	1, 772
San Antonio	7, 606	20, 107	503, 271	272	8, 036	190, 880	802
No. 12. Los Angeles	150, 599	295, 588	5, 274, 772	6, 588	60, 350	4, 777, 763	15, 002
Portland	51, 363	61, 164	1, 405, 834	2, 463	44, 648	677, 544	6, 047
Salt Lake City	84, 700	30, 029	1, 063, 254	1, 063	41, 764	509, 091	6, 679
Seattle	109, 713	81, 551	1, 190, 120	2, 285	41, 407	958, 745	5, 848
Spokane	14, 217	15, 998	601, 206	651	15, 704	165, 397	1, 870

<sup>1</sup> Represent currency and coin received from member and nonmember banks only.

<sup>2</sup> Not available.

Source of Tables 251 and 252: Federal Reserve Board.



## No. 258.—FEDERAL RESERVE BANKS: VOLUME OF OPERATIONS IN PRINCIPAL DEPARTMENTS

[Number of pieces handled in thousands; amounts handled in millions and tenths of millions of dollars]

Bank and year	Bills dis- counted	Bills pur- chased in open market for own account	Currency received and counted	Coin received and counted	Checks handled	Collection items handled		U. S. se- curities— issues, redemp- tions, and exchanges by fiscal agent de- partment	Trans- fers of funds
						U. S. Govern- ment cou- pons paid	All other		
						Number of pieces handled			
All F. R. banks:									
1923	782	179	1,722,877	2,076,075	697,502	64,662	5,732	114,409	1,413
1924	583	143	1,838,279	2,186,787	742,878	50,471	8,113	16,097	1,503
1925	475	201	1,947,419	2,829,014	778,686	44,174	5,467	7,116	1,566
1926	506	232	2,099,605	2,590,057	822,907	39,678	5,595	4,891	1,710
1927	371	254	2,202,438	2,691,184	889,276	37,045	5,908	7,901	1,690
Boston	38	37	240,778	181,602	81,234	2,000	415	569	57
New York	31	99	640,967	1,180,801	168,724	9,932	2,200	2,195	355
Philadelphia	42	9	207,701	303,015	70,267	3,467	547	566	109
Cleveland	16	12	149,466	172,308	78,831	4,620	381	711	101
Richmond	38	11	103,555	151,486	52,859	1,190	221	187	115
Atlanta	47	6	121,378	61,761	31,904	827	158	138	76
Chicago	59	24	354,845	263,577	119,112	6,084	599	1,493	290
St. Louis	22	4	112,986	145,034	50,238	2,088	265	364	271
Minneapolis	10	7	39,970	11,794	24,238	1,010	264	182	62
Kansas City	26	7	68,902	66,609	70,387	1,732	323	323	130
Dallas	19	6	47,448	34,656	36,966	598	123	111	110
San Francisco	21	30	124,442	109,251	77,395	2,497	353	362	145
Amounts handled									
All F. R. banks:									
1923	38,379.9	2,547.0	10,306.4	308.1	207,719.5	761.7	5,900.5	8,433.9	78,867.1
1924	15,419.2	2,172.1	10,777.3	293.9	219,832.2	719.8	5,509.1	6,708.3	98,359.0
1925	32,562.6	2,961.2	11,557.0	465.7	258,611.3	680.9	6,117.0	5,579.0	199,430.7
1926	37,682.1	3,353.3	12,585.0	609.4	272,945.2	644.3	6,219.4	4,971.4	120,909.4
1927	31,934.6	4,050.9	13,013.1	791.0	378,399.6	553.7	6,710.3	10,603.0	136,383.9
Boston	2,119.3	548.6	1,481.1	21.3	20,931.5	46.2	636.4	711.0	7,637.2
New York	13,554.2	1,958.7	4,159.8	558.3	100,206.6	250.6	2,384.7	5,219.6	50,890.1
Philadelphia	1,900.1	180.9	1,241.8	50.1	25,085.8	37.8	564.2	794.5	6,167.2
Cleveland	3,872.4	159.6	952.3	15.8	29,756.0	53.9	532.1	670.2	6,023.0
Richmond	1,500.3	140.5	528.3	15.1	13,402.1	11.7	278.2	234.1	4,785.5
Atlanta	667.5	63.3	538.5	8.1	12,360.4	6.7	168.9	173.1	2,281.8
Chicago	2,778.2	370.4	1,979.8	36.1	27,069.5	64.2	980.8	1,456.6	24,307.4
St. Louis	1,231.4	64.4	495.9	16.2	11,487.7	20.1	183.8	350.5	6,094.0
Minneapolis	141.0	75.2	213.3	3.9	4,277.2	9.9	127.5	170.7	2,735.0
Kansas City	549.4	74.3	279.1	12.5	11,559.8	16.9	276.1	261.4	6,164.7
Dallas	261.6	101.5	215.4	7.1	7,851.5	4.8	194.9	200.6	4,231.7
San Francisco	2,949.2	343.6	927.8	40.5	14,310.9	25.8	343.8	560.8	14,998.3

Source. Federal Reserve Board.

### No. 254.—EARNINGS OF FEDERAL RESERVE BANKS: AVERAGE ANNUAL RATE OF EARNINGS ON BILLS AND SECURITIES

[NOTE.—Rate on "All classes" covers, besides classes specified, earnings on a small amount of municipal warrants, Federal intermediate credit bank debentures, and foreign loans on gold]

Bank and year	Average annual rate (per cent) on—				Bank and year	Average annual rate (per cent) on—			
	All classes	Dis-counted bills	Pur-chased bills	U. S. securi-ties		All classes	Dis-counted bills	Pur-chased bills	U. S. securi-ties
<b>All banks:</b>					<b>Atlanta:</b>				
1918.....	4.12	4.24	4.14	3.90	1925.....	3.63	4.00	3.33	3.47
1919.....	4.04	4.23	4.30	2.26	1926.....	3.90	4.00	3.55	3.62
1920.....	5.60	5.88	5.66	2.21	1927.....	3.73	3.85	3.67	3.33
1921.....	5.61	6.07	5.70	2.37	<b>Chicago:</b>				
1922.....	4.11	4.63	3.54	3.67	1925.....	3.73	4.00	3.16	3.70
1923.....	4.33	4.46	4.14	3.31	1926.....	3.82	4.00	3.54	3.73
1924.....	3.83	4.25	3.31	3.67	1927.....	3.66	3.90	3.46	3.65
1925.....	3.51	3.67	3.17	3.56	<b>St. Louis:</b>				
1926.....	3.76	3.95	3.55	3.60	1925.....	3.73	4.00	3.16	3.47
1927.....	3.99	3.83	3.49	3.41	1926.....	3.78	4.00	3.52	3.86
<b>Boston:</b>					1927.....	3.57	4.00	3.56	3.39
1925.....	3.73	3.58	3.19	3.31	<b>Minneapolis:</b>				
1926.....	3.73	4.00	3.54	3.43	1925.....	3.65	4.00	3.24	3.64
1927.....	3.59	3.80	3.51	3.32	1926.....	3.79	4.00	3.55	3.85
<b>New York:</b>					1927.....	3.68	3.94	3.41	3.58
1925.....	3.30	3.43	3.00	3.46	<b>Kansas City:</b>				
1926.....	3.70	3.82	3.58	3.51	1925.....	3.56	4.00	3.55	3.68
1927.....	3.57	3.79	3.48	3.34	1926.....	3.73	4.00	3.56	3.67
<b>Philadelphia:</b>					1927.....	3.58	3.83	3.51	3.51
1925.....	3.58	3.56	3.17	3.95	<b>Dallas:</b>				
1926.....	3.83	4.00	3.56	3.58	1925.....	3.50	4.00	3.18	3.66
1927.....	3.61	3.86	3.46	3.32	1926.....	3.70	4.00	3.55	3.61
<b>Cleveland:</b>					1927.....	3.50	3.81	3.52	3.43
1925.....	3.47	3.58	3.12	3.52	<b>San Francisco:</b>				
1926.....	3.79	4.00	3.56	3.60	1925.....	3.39	3.57	3.12	3.41
1927.....	3.59	3.81	3.52	3.41	1926.....	3.73	4.00	3.55	3.58
<b>Richmond:</b>					1927.....	3.61	3.87	3.69	3.35
1925.....	3.88	4.00	3.28	3.18					
1926.....	3.84	4.00	3.55	2.34					
1927.....	3.53	3.83	3.39	3.21					

### No. 255.—PROFIT AND LOSS ACCOUNT OF FEDERAL RESERVE BANKS

[All figures in thousands of dollars]

Bank and year	Gross earnings	Net earnings available for dividends, franchise tax, and surplus	Dividend payments	Franchise tax to Government	Carried to surplus	Capital and surplus Dec. 31
<b>All Federal reserve banks:</b>						
1918.....	67,584	52,716	5,541	—	46,334	103,506
1919.....	102,381	78,366	5,012	2,704	70,652	207,527
1920.....	181,297	149,295	5,654	60,725	82,916	301,857
1921.....	122,846	82,087	6,120	50,974	15,993	318,686
1922.....	50,499	16,498	6,307	10,851	1,699	325,640
1923.....	50,709	12,711	6,553	3,613	2,546	331,080
1924.....	38,340	3,718	6,682	114	3,078	329,575
1925.....	41,801	9,449	6,916	59	2,474	337,547
1926.....	47,600	16,612	7,329	818	3,464	353,589
1927.....	43,084	13,046	7,754	280	3,044	365,900
<b>Boston.....</b>	2,975	838	350	—	287	27,305
<b>New York.....</b>	10,648	3,720	2,327	—	1,393	103,317
<b>Philadelphia.....</b>	3,364	1,176	781	—	395	34,609
<b>Cleveland.....</b>	4,198	1,106	833	—	276	38,000
<b>Richmond.....</b>	2,086	498	372	—	125	18,576
<b>Atlanta.....</b>	2,068	670	306	—	364	15,171
<b>Chicago.....</b>	6,167	1,928	1,030	—	868	50,743
<b>St. Louis.....</b>	2,228	776	318	—	458	15,738
<b>Minneapolis.....</b>	1,390	296	181	104	12	10,046
<b>Kansas City.....</b>	2,305	415	253	146	16	13,281
<b>Dallas.....</b>	1,742	368	256	—	312	12,791
<b>San Francisco.....</b>	3,853	1,055	547	—	508	25,931

1 Withdrawn from surplus account.

Sources of Tables 254 and 255: Federal Reserve Board.

No. 256.—FEDERAL RESERVE BANKS: CLEARING OPERATIONS AND NUMBER OF BANKS ON PAR LIST

[NOTE.—Banks on the par list include all member banks and those nonmember banks which remit for checks received from the Federal reserve banks at par without deduction of exchange charges. Federal reserve banks receive checks for collection from all member banks and from such nonmember banks as maintain sufficient balances with the Federal reserve banks to offset items in transit held for their account. Clearings of all Federal reserve banks (in millions of dollars): 1919, 136,493; 1920, 156,509; 1921, 119,160; 1922, 150,507; 1923, 196,636; 1924, 209,125]

Bank	Total items handled, excluding duplications						Number of banks on par list, De- cember, 1927	
	Number (in millions)			Amount (millions of dollars)				
	1925	1926	1927	1925	1926	1927	Member	Non- member
All F. R. banks.....	717	759	796	947, 185	961, 402	967, 452	9, 034	13, 947
Boston.....	68	74	78	17, 538	19, 684	20, 220	413	248
New York.....	125	138	152	86, 055	91, 035	98, 112	937	411
Philadelphia.....	57	59	61	24, 339	23, 831	23, 684	777	501
Cleveland.....	65	70	75	25, 644	27, 473	28, 781	835	1, 027
Richmond.....	42	44	46	12, 382	12, 297	11, 870	564	657
Atlanta.....	26	27	27	11, 056	12, 262	11, 157	464	312
Chicago.....	98	105	112	24, 743	26, 685	26, 464	1, 290	3, 695
St. Louis.....	45	47	49	10, 662	11, 188	11, 363	594	1, 891
Minneapolis.....	25	24	23	3, 681	4, 001	3, 958	735	761
Kansas City.....	64	67	67	9, 998	10, 767	10, 682	968	2, 369
Dallas.....	32	34	35	6, 825	7, 238	7, 549	799	667
San Francisco.....	69	70	73	14, 260	14, 941	13, 612	658	708

Source: Federal Reserve Board.

No. 257.—MEMBER BANKS OF FEDERAL RESERVE SYSTEM: NUMBER, CAPITAL AND SURPLUS, AND TOTAL RESOURCES

[NOTE.—All national banks, except those in Alaska and Hawaii, and about 9 per cent in number of the eligible State banks and trust companies are now members of the system]

[All amounts in thousands of dollars]

Date	Number of banks			Capital and surplus			Total resources		
	All member banks	National banks	State banks and trust companies	All member banks	National banks	State banks and trust companies	All member banks	National banks	State banks and trust companies
Dec. 31, 1914.....	7, 582	7, 574	8	1, 809, 284	1, 791, 826	17, 458	11, 443, 855	11, 351, 246	92, 608
Dec. 31, 1915.....	7, 631	7, 600	31	1, 828, 679	1, 792, 509	36, 170	13, 740, 825	13, 461, 185	279, 640
Dec. 27, 1916.....	7, 614	7, 577	37	1, 863, 169	1, 814, 347	48, 822	15, 849, 692	15, 380, 617	469, 075
Dec. 31, 1917.....	7, 907	7, 657	250	2, 396, 260	1, 875, 495	520, 765	23, 649, 962	18, 539, 576	5, 110, 386
Dec. 31, 1918.....	8, 692	7, 762	930	2, 713, 630	1, 953, 840	759, 790	28, 245, 710	20, 535, 553	7, 710, 157
Dec. 31, 1919.....	9, 066	7, 885	1, 181	2, 969, 560	2, 078, 359	891, 201	33, 916, 044	23, 676, 048	10, 239, 996
Dec. 29, 1920.....	9, 606	8, 125	1, 481	3, 325, 962	2, 290, 939	1, 035, 023	33, 079, 016	22, 789, 045	10, 289, 971
Dec. 31, 1921.....	9, 779	8, 165	1, 614	3, 425, 296	2, 314, 633	1, 110, 663	30, 114, 136	19, 935, 224	10, 178, 912
Dec. 29, 1922.....	9, 859	8, 220	1, 639	3, 566, 681	2, 391, 275	1, 175, 406	33, 882, 571	21, 965, 554	11, 917, 017
Dec. 31, 1923.....	9, 774	8, 179	1, 595	3, 644, 373	2, 392, 784	1, 251, 589	35, 238, 606	22, 395, 303	12, 843, 303
Dec. 31, 1924.....	9, 587	8, 043	1, 544	3, 744, 967	2, 422, 256	1, 322, 711	38, 986, 867	24, 368, 991	14, 617, 876
Dec. 31, 1925.....	9, 489	8, 048	1, 441	3, 937, 999	2, 544, 180	1, 393, 819	41, 425, 295	25, 839, 450	15, 585, 845
Dec. 31, 1926.....	9, 260	7, 906	1, 354	4, 158, 796	2, 620, 064	1, 532, 732	42, 029, 644	25, 669, 069	16, 360, 575
Dec. 31, 1927.....	9, 034	7, 759	1, 275	4, 461, 800	2, 841, 192	1, 620, 608	44, 888, 140	28, 148, 557	16, 739, 583

Source: Federal Reserve Board.

### No. 258.—PRINCIPAL ASSETS AND LIABILITIES OF SELECTED REPORTING MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM IN LEADING CITIES

[NOTE.—All money figures in millions of dollars. Owing to the addition of new members to the list of reporting banks during 1919 and 1920, the comparability of the figures is somewhat affected, but since Jan. 1, 1921, the changes have been almost entirely through consolidation of reporting banks]

Date	Number of banks	Loans and investments				Net demand deposits	Time deposits	Accommodation at Federal reserve banks
		Total	Loans and discounts	Government securities	Other securities			
1919								
Mar. 28	772	14,496		2,820		10,054	1,694	1,428
June 27	773	14,575		2,189		10,286	1,757	1,351
Sept. 26	776	15,577		2,343		10,839	1,904	1,476
Dec. 26	797	16,521		1,980		11,174	2,302	1,833
1920								
Mar. 26	811	16,819	15,271	1,548		11,496	2,385	2,114
June 25	814	16,932	15,371	1,561		11,347	2,692	1,946
Sept. 24	818	17,140	15,692	1,448		11,161	2,787	2,151
Dec. 31	821	16,750	15,359	1,391		10,942	2,852	2,098
1921								
Mar. 25	823	15,983	12,591	1,343	2,049	10,186	2,932	1,764
June 29	817	15,351	11,864	1,373	2,074	10,046	2,933	1,215
Sept. 28	808	14,957	11,573	1,362	2,022	9,866	2,925	875
Dec. 28	808	14,780	11,220	1,470	2,090	10,174	2,998	698
1922								
Mar. 29	804	14,544	10,842	1,610	2,092	10,309	3,131	268
June 28	798	15,188	10,783	2,100	2,305	11,124	3,380	166
Sept. 27	790	15,454	10,988	2,219	2,247	11,085	3,573	189
Dec. 27	782	16,152	11,329	2,549	2,274	11,255	3,708	370
1923								
Mar. 28	777	16,496	11,784	2,663	2,161	11,062	3,948	476
June 27	774	16,543	11,850	2,535	2,158	11,104	4,000	491
Sept. 26	770	16,422	11,877	2,387	2,158	10,891	4,020	■
Dec. 26	764	16,490	11,934	2,350	2,206	11,034	4,072	575
1924								
Mar. 26	756	16,580	12,065	2,287	2,228	11,171	4,235	252
June 25	748	16,969	12,142	2,313	2,514	11,837	4,414	106
Sept. 24	747	16,006	12,677	2,647	2,664	12,680	4,664	75
Dec. 31	737	18,599	■	2,645	2,886	13,254	4,849	154
1925								
Mar. 25	737	18,618	13,140	2,642	2,836	12,588	5,034	216
June 24	733	18,710	13,206	2,554	2,951	12,725	5,168	265
Sept. 30	725	19,272	13,632	2,499	2,941	13,046	5,234	444
Dec. 30	719	19,697	14,235	2,517	2,945	13,261	5,348	555
1926								
Jan. 27	717	19,426	13,940	2,527	2,940	13,034	5,385	270
Feb. 24	716	19,422	13,930	2,521	2,971	12,935	5,437	362
Mar. 31	710	19,345	14,052	2,480	3,014	12,901	5,477	420
Apr. 28	706	19,525	13,949	2,533	3,043	12,829	5,555	308
May 26	703	19,579	13,874	2,589	3,116	12,917	5,571	257
June 30	702	19,816	14,136	2,512	3,169	13,252	5,650	288
July 28	699	19,637	13,976	2,509	3,142	12,846	5,691	295
Aug. 25	697	19,664	14,069	2,468	3,129	12,835	5,702	349
Sept. 29	694	20,029	14,305	2,502	3,182	13,003	5,674	495
Oct. 27	692	19,692	14,314	2,467	3,111	12,918	5,738	438
Nov. 24	691	19,849	14,326	2,406	3,138	12,894	5,774	432
Dec. 29	688	20,110	14,569	2,323	3,218	13,082	5,792	511
1927								
Jan. 26	682	19,840	14,245	2,369	3,224	12,902	5,934	197
Feb. 23	676	19,860	14,192	2,383	3,266	12,841	6,013	243
Mar. 30	675	20,370	14,405	2,568	3,408	13,030	6,065	296
Apr. 27	671	20,373	14,400	2,568	3,375	13,065	6,143	286
May 25	669	20,568	14,475	2,643	3,450	13,216	6,204	260
June 29	669	20,863	14,765	2,574	3,524	13,404	6,267	309
July 27	663	20,611	14,564	2,552	3,496	13,258	6,267	334
Aug. 31	662	20,736	14,748	2,503	3,474	13,381	6,320	240
Sept. 28	661	21,106	15,018	2,511	3,478	13,279	6,378	273
Oct. 26	■	21,198	15,077	2,517	3,494	13,430	6,422	254
Nov. 20	660	21,667	15,292	2,808	3,572	14,001	6,531	231
Dec. 28	657	21,820	15,421	2,904	3,506	13,786	6,516	463

\* Includes all loans and investments except United States securities.

Source: Federal Reserve Board.

[All figures except number of banks in millions of dollars; for example, 6,419.1—\$6,419,100,000]

FEDERAL RESERVE SYSTEM

Bank and date	Number of member banks	Principal resources							Total resources	Principal liabilities					
		Loans and discounts, including rediscounts <sup>1</sup>	Custom-ers' liabil-ity on ac-cept-ances	U. S. securities	Other securities	Reserve with F. R. banks	Due from banks	Cash		Capital	Surplus	Demand deposits <sup>2</sup>	Time deposits	Due to banks	Bills payable and re-discounts <sup>3</sup>
All member banks:															
Dec. 31, 1914.....	7,582	6,419.1	.....	794.2	1,346.6	4265.5	1,162.6	738.5	1,074.8	734.5	5,195.5	1,233.3	1,876.6	132.9	
Dec. 31, 1915.....	7,631	7,622.5	40.8	773.8	1,502.3	4414.3	1,562.9	896.2	1,067.2	741.5	6,368.5	1,506.0	2,761.1	99.1	
Dec. 27, 1916.....	7,614	8,713.7	105.7	716.1	1,877.0	4732.9	1,874.3	913.0	1,096.7	767.5	7,375.1	1,983.2	3,303.0	94.7	
Dec. 31, 1917.....	7,907	12,419.7	352.3	1,858.1	2,854.4	1656.3	2,128.6	637.6	1,311.2	1,085.1	11,829.1	3,156.2	3,642.7	886.8	
Dec. 31, 1918.....	8,692	14,318.5	460.2	3,657.2	2,908.2	1654.7	2,193.8	675.2	1,459.1	1,254.5	13,780.9	3,834.3	3,804.1	1,969.9	
Dec. 31, 1919.....	9,066	18,363.6	624.6	3,506.4	3,311.4	1903.8	2,518.7	691.2	1,593.8	1,375.7	16,711.2	5,304.8	4,105.6	2,561.6	
Dec. 29, 1920.....	9,606	19,767.4	566.7	2,759.4	3,360.9	1763.4	1,576.6	677.9	1,799.1	1,526.9	14,929.5	6,187.9	3,084.3	3,247.8	
Dec. 31, 1921.....	9,779	17,483.5	343.6	2,647.8	3,512.9	1758.3	1,449.6	478.4	1,867.8	1,557.5	13,920.6	6,450.6	2,860.2	1,453.0	
Dec. 29, 1922.....	9,859	18,080.8	372.6	3,788.4	3,899.3	1939.0	1,805.6	561.6	1,940.9	1,625.8	16,134.5	7,644.9	3,492.4	726.7	
Dec. 31, 1923.....	9,774	19,051.7	391.6	3,641.1	4,045.3	1900.2	1,824.3	561.4	2,003.1	1,641.3	16,323.7	8,650.6	3,512.3	807.7	
Dec. 31, 1924.....	9,587	20,181.3	461.7	3,902.8	4,942.5	2227.6	2,339.5	597.5	2,037.5	1,707.5	18,009.0	9,804.7	4,548.0	408.2	
Dec. 31, 1925.....	9,489	22,275.3	498.1	3,761.1	5,163.2	2238.2	2,155.3	574.5	2,105.3	1,832.7	19,354.6	10,653.0	4,220.6	732.8	
Dec. 31, 1926.....	9,260	22,906.6	512.9	3,389.0	5,600.7	2210.0	2,065.5	522.6	2,203.4	1,955.3	19,013.9	11,499.9	4,054.0	759.9	
Dec. 31, 1927.....	9,034	24,318.4	699.7	3,977.6	6,383.0	2514.5	2,209.8	533.4	2,337.8	2,124.0	19,276.7	12,764.8	4,593.6	663.5	
New York City:															
Dec. 29, 1922.....	58	3,765.4	215.1	1,008.9	553.4	625.0	78.0	69.4	314.2	390.1	4,707.1	534.3	1,121.5	98.4	
Dec. 31, 1923.....	63	3,792.8	240.6	897.3	517.7	577.2	82.3	61.4	330.3	373.5	4,474.2	588.6	1,227.6	89.3	
Dec. 31, 1924.....	66	4,382.1	294.7	974.0	797.5	738.9	73.6	72.6	336.3	379.2	5,404.8	775.3	1,547.7	43.8	
Dec. 31, 1925.....	63	4,945.7	346.1	875.2	713.3	713.3	95.9	65.4	369.8	431.4	5,797.4	782.7	1,471.9	172.0	
Dec. 31, 1926.....	60	5,077.7	346.7	808.7	814.9	681.2	120.8	57.5	405.6	472.8	5,760.0	911.1	1,455.2	145.6	
Dec. 31, 1927.....	59	5,967.2	480.2	947.8	891.9	857.4	130.5	57.6	463.7	541.8	5,587.5	1,080.8	1,789.9	246.6	
Chicago:															
Dec. 29, 1922.....	25	1,036.4	32.5	139.0	155.9	144.2	117.9	28.3	87.5	83.3	895.4	279.0	336.1	17.7	
Dec. 31, 1923.....	24	1,057.7	31.5	124.7	139.3	133.5	122.9	25.6	92.1	80.0	876.2	281.7	331.2	27.6	
Dec. 31, 1924.....	24	1,164.3	32.8	180.1	162.1	162.7	129.6	25.5	89.4	88.1	995.2	342.1	399.6	.2	
Dec. 31, 1925.....	20	1,258.0	21.2	155.0	154.6	149.7	117.3	16.6	90.9	89.7	1,019.8	387.2	376.6	23.2	
Dec. 31, 1926.....	22	1,295.0	23.4	109.9	185.4	153.5	117.4	15.4	96.3	98.5	1,023.2	414.2	371.2	7.9	
Dec. 31, 1927.....	22	1,406.5	30.2	181.2	234.7	178.9	110.3	14.3	109.9	113.0	1,135.5	520.0	352.0	15.6	
Reserve cities:															
Dec. 29, 1922.....	574	6,261.0	112.0	1,211.3	1,208.4	620.8	737.5	171.8	639.4	553.8	5,126.4	2,618.3	1,600.7	249.8	
Dec. 31, 1923.....	560	6,676.7	105.9	1,116.3	1,234.0	616.3	713.7	164.3	659.1	556.7	5,279.8	2,960.0	1,507.2	318.4	
Dec. 31, 1924.....	549	7,166.2	119.6	1,353.2	1,463.6	726.5	968.0	178.5	685.5	594.9	5,791.3	3,435.1	2,051.5	130.6	
Dec. 31, 1925.....	549	7,897.5	113.1	1,333.6	1,567.8	746.3	896.2	176.0	704.4	618.9	6,289.9	3,836.5	1,828.4	265.4	
Dec. 31, 1926.....	540	8,226.6	129.0	1,182.7	1,672.8	749.3	845.9	166.4	745.8	652.0	6,128.4	4,157.5	1,740.1	342.2	
Dec. 31, 1927.....	533	8,532.7	172.0	1,546.9	1,895.5	814.7	899.1	157.7	796.5	693.0	6,302.5	4,692.5	1,925.3	210.8	

FEDERAL RESERVE SYSTEM

Country banks:													
Dec. 29, 1922	9,202	7,017.9	13.1	1,429.2	1,981.6	549.1	872.2	292.2	12,808.9	899.8	598.5	5,405.6	4,213.3
Dec. 31, 1923	9,127	7,524.5	13.6	1,502.9	2,154.3	574.3	906.5	310.2	13,744.4	921.6	631.1	5,693.5	4,830.4
Dec. 31, 1924	8,948	7,468.6	14.6	1,395.4	2,519.2	599.5	1,168.2	320.8	14,295.1	926.2	655.3	5,817.6	5,252.3
Dec. 31, 1925	8,857	8,174.1	17.9	1,397.3	2,727.4	629.0	1,065.9	316.6	15,204.1	940.2	692.7	6,247.5	5,646.6
Dec. 31, 1926	8,638	8,307.2	13.8	1,287.7	2,927.6	626.0	981.4	298.2	15,374.0	955.8	732.0	6,102.3	5,957.1
Dec. 31, 1927	8,420	8,412.0	17.4	1,301.7	3,360.9	663.5	1,069.9	298.8	16,073.1	957.8	771.2	6,261.1	6,471.5
All member banks by districts:													
Boston—													
Dec. 31, 1926	416	1,788.2	43.0	237.2	482.7	147.8	92.4	40.1	3,087.2	154.6	140.3	1,426.9	858.2
Dec. 31, 1927	413	1,800.6	83.9	267.6	549.9	155.9	120.0	40.4	3,266.9	166.3	151.4	1,469.2	974.0
New York—													
Dec. 31, 1926	913	7,043.8	351.8	1,060.4	1,745.3	840.9	230.7	106.0	13,722.0	584.6	629.3	7,239.6	2,445.9
Dec. 31, 1927	937	8,135.8	485.5	1,212.7	1,945.8	1,037.9	248.9	111.4	15,012.0	661.0	721.9	7,169.0	2,837.1
Philadelphia—													
Dec. 31, 1926	769	1,619.5	11.5	205.8	654.6	139.8	122.5	38.9	3,054.5	155.5	270.3	1,223.2	942.8
Dec. 31, 1927	777	1,619.6	15.5	233.6	738.5	142.1	130.8	39.8	3,183.4	163.1	287.3	1,188.7	1,054.6
Cleveland—													
Dec. 31, 1926	856	2,150.8	8.7	353.9	634.8	179.5	170.6	57.7	3,894.0	216.1	243.5	1,458.7	1,423.7
Dec. 31, 1927	835	2,168.4	13.9	411.7	723.0	180.9	184.2	56.6	4,061.8	218.9	251.9	1,481.7	1,544.2
Richmond—													
Dec. 31, 1926	583	1,014.1	10.3	120.7	142.9	71.9	111.9	27.4	1,668.6	116.0	87.1	638.2	526.3
Dec. 31, 1927	564	1,033.1	11.8	139.1	194.6	76.5	124.1	26.4	1,774.0	117.1	89.1	643.1	599.1
Atlanta—													
Dec. 31, 1926	475	931.4	15.4	87.2	144.0	68.3	161.3	28.0	1,582.6	99.7	65.4	661.0	431.3
Dec. 31, 1927	464	890.6	12.9	124.7	151.8	73.2	158.7	26.2	1,588.1	101.0	68.0	640.7	462.7
Chicago—													
Dec. 31, 1926	1,335	3,397.8	28.5	414.9	789.1	310.6	333.9	85.6	5,837.2	312.7	244.1	2,379.7	1,935.9
Dec. 31, 1927	1,290	3,532.1	35.7	508.5	835.8	348.6	328.6	83.5	6,185.9	332.4	268.8	2,506.5	2,140.0
St. Louis—													
Dec. 31, 1926	609	947.4	1.6	119.9	246.2	83.0	116.0	23.1	1,680.2	113.2	62.4	706.1	479.6
Dec. 31, 1927	594	954.1	2.5	146.2	276.9	88.5	129.1	22.1	1,762.8	114.3	62.8	724.7	525.6
Minneapolis—													
Dec. 31, 1926	764	554.2	3.9	133.4	174.5	50.6	116.2	19.3	1,120.4	64.5	34.5	410.7	435.9
Dec. 31, 1927	735	547.1	.7	137.0	212.9	54.2	127.0	19.2	1,164.8	63.9	34.2	434.7	451.6
Kansas City—													
Dec. 31, 1926	992	777.5	.2	183.0	175.6	86.1	218.4	28.1	1,604.8	91.7	42.8	830.0	317.8
Dec. 31, 1927	968	733.4	.8	183.5	224.9	96.3	223.6	27.0	1,663.7	98.9	43.5	845.8	338.8
Dallas—													
Dec. 31, 1926	827	652.4	5.7	105.1	50.6	64.4	146.4	24.0	1,163.8	95.8	43.8	639.9	160.4
Dec. 31, 1927	799	695.0	6.1	131.9	72.0	73.1	170.7	23.6	1,266.8	94.9	44.8	712.9	184.0
San Francisco—													
Dec. 31, 1926	721	2,079.5	32.4	367.4	408.5	167.2	245.1	44.4	3,664.3	198.1	91.9	1,399.9	1,482.2
Dec. 31, 1927	658	2,158.6	30.5	486.1	456.9	188.1	264.2	47.1	3,937.9	210.9	100.3	1,459.6	1,658.0

<sup>1</sup> Includes also overdrafts and customers' liability on account of letters of credit.  
<sup>2</sup> Includes certified and cashiers' or treasurers' checks and United States deposits.  
<sup>3</sup> Includes acceptances of other banks and foreign bills of exchange or drafts sold with indorsement prior to 1922

<sup>4</sup> Includes items with Federal reserve banks in process of collection.  
<sup>5</sup> Includes customers' liability on account of letters of credit issued by State bank members.

# **No. 260.—NUMBER, CAPITAL AND SURPLUS, AND TOTAL RESOURCES OF EACH CLASS OF COMMERCIAL AND SAVINGS BANKS: UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS**

[NOTE.—Money figures expressed in millions and tenths of millions of dollars. Data relate in general to June 30. Statistics for private banks are incomplete, as many not under State supervision do not furnish reports. The number of private banks in 1910 was estimated at 4,000, in 1927 at 711. The apparent decrease in the number of stock savings banks and loan and trust companies in 1916 is due to the fact that beginning with that year statistics are based on summaries furnished by State banking departments, which in a number of States included the returns for banks formerly classed as stock savings and for loan and trust companies with commercial or State banks, or classed all banks other than national as State banks. In recent years the segregation of the classes has been fairly accurate.]

Class and year	Number	Capital and surplus	Total resources	Class and year	Number	Capital and surplus	Total resources
<b>ALL CLASSES</b>				<b>LOAN AND TRUST COMPANIES—continued</b>			
1900.....	10,382	1,673.1	10,785.8	1917.....	1,608	1,040.3	7,699.8
1906.....	16,410	2,516.8	16,918.2	1918.....	1,669	1,068.3	8,317.4
1910.....	23,095	3,427.9	22,450.3	1919.....	1,377	942.4	7,960.0
1914.....	26,785	3,846.6	26,971.4	1920.....	1,408	965.7	8,330.0
1915.....	27,062	3,695.8	27,804.1	1921.....	1,474	1,053.5	8,181.1
1916.....	27,513	4,044.8	32,271.2	1922.....	1,550	1,095.0	8,533.9
1917.....	27,923	4,219.7	37,126.8	1923.....	1,843	1,198.1	9,499.3
1918.....	28,880	4,386.4	40,726.4	1924.....	1,664	1,293.3	10,323.8
1919.....	29,123	4,619.4	47,615.4	1925.....	1,680	1,366.7	11,565.5
1920.....	30,139	5,113.0	53,679.1	1926.....	1,656	1,487.3	12,205.2
1921.....	30,812	5,446.0	49,671.4	1927.....	1,447	1,678.0	13,994.8
1922.....	30,389	5,641.4	50,425.4	<b>STOCK SAVINGS BANKS</b>			
1923.....	30,178	5,851.9	54,034.9	1910.....	1,121	96.3	829.4
1924.....	29,348	6,081.6	57,144.7	1914.....	1,466	128.7	1,196.5
1925.....	28,641	6,343.0	62,057.0	1915.....	1,529	133.9	1,288.7
1926.....	28,146	6,745.3	64,893.4	1916.....	1,242	108.5	1,033.3
1927.....	27,061	7,141.0	68,132.6	1917.....	1,185	99.8	1,127.9
<b>NATIONAL BANKS</b>				1918.....	1,194	93.6	1,182.2
1910.....	7,145	1,634.4	9,896.6	1919.....	1,067	97.4	1,281.3
1914.....	7,525	1,781.5	11,482.2	1920.....	1,067	108.6	1,506.4
1915.....	7,605	1,790.6	11,795.7	1921.....	978	59.1	857.9
1916.....	7,579	1,797.4	13,926.9	1922.....	1,066	121.0	1,583.0
1917.....	7,604	1,843.1	16,290.4	1923.....	1,029	122.5	1,790.7
1918.....	7,705	1,907.7	19,354.9	1924.....	990	130.7	1,923.4
1919.....	7,785	1,990.8	21,234.9	1925.....	972	128.7	2,063.1
1920.....	8,030	2,210.6	23,411.3	1926.....	904	133.0	2,196.4
1921.....	8,154	2,300.1	20,517.9	1927.....	843	115.7	1,915.5
1922.....	8,249	2,356.0	20,706.0	<b>MUTUAL SAVINGS BANKS<sup>1</sup></b>			
1923.....	8,241	2,399.5	21,511.8	1910.....	639	249.2	3,652.4
1924.....	8,085	2,414.6	22,565.9	1914.....	634	280.1	4,253.0
1925.....	8,072	2,486.4	24,350.9	1915.....	630	269.7	4,319.4
1926.....	7,078	2,611.8	25,315.6	1916.....	622	303.3	4,547.9
1927.....	7,796	2,731.1	26,581.6	1917.....	622	321.8	4,811.0
<b>STATE (COMMERCIAL) BANKS</b>				1918.....	625	315.6	4,818.6
1910.....	12,166	623.4	3,695.0	1919.....	622	332.4	5,171.6
1914.....	14,512	713.0	4,353.7	1920.....	620	334.5	5,619.0
1915.....	14,598	725.1	4,399.6	1921.....	623	366.4	6,040.1
1916.....	15,450	832.3	5,553.0	1922.....	619	468.2	6,351.6
1917.....	15,965	888.7	6,799.7	1923.....	618	496.5	6,904.8
1918.....	16,596	962.6	7,815.7	1924.....	613	558.6	7,364.7
1919.....	17,225	1,226.6	11,701.6	1925.....	611	633.2	7,913.0
1920.....	18,197	1,447.2	14,009.8	1926.....	620	703.0	8,422.3
1921.....	18,875	1,642.9	14,199.1	1927.....	618	742.9	9,011.2
1922.....	18,232	1,575.4	13,064.4	<b>PRIVATE BANKS</b>			
1923.....	18,043	1,612.9	14,162.9	1910.....	934	25.4	160.0
1924.....	17,436	1,664.4	14,816.0	1915.....	1,036	29.0	177.7
1925.....	16,983	700.7	15,979.2	1920.....	799	26.4	212.6
1926.....	16,463	1,789.3	16,579.7	1921.....	709	24.0	175.3
1927.....	15,690	1,814.0	16,565.0	1922.....	673	25.7	185.5
<b>LOAN AND TRUST COMPANIES</b>				1923.....	604	22.4	165.6
1910.....	1,091	600.1	4,216.9	1924.....	560	19.6	150.9
1914.....	1,564	908.6	5,489.5	1925.....	523	19.5	15.2
1915.....	1,664	927.5	5,873.1	1926.....	495	21.0	174.2
1916.....	1,606	964.7	7,028.3	1927.....	467	19.5	164.1

<sup>1</sup> In 1921 returns from California, which in 1920 had shown 106 stock savings banks, included all banks except 1 mutual savings bank with State banks, which accounts for the greater part of the decrease in stock savings banks and part of the increase in State banks. In subsequent years returns showed separate statistics for each class of banks.

<sup>2</sup> Figures given under capital and surplus are surplus fund only.

Source: Comptroller of the Currency, Treasury Department.



# **No. 261.—SUMMARY FOR ALL REPORTING COMMERCIAL AND SAVINGS BANKS: BY STATES, JUNE 30, 1927**

[All money figures in thousands of dollars]

Division and State	Number of banks	Total resources and liabilities	Loans and discounts, including re-discounts	Investments	Lawful reserve with Federal reserve banks or other reserve agents	Capital, surplus, and undivided profits <sup>1</sup>	Deposits		
							Demand	Time	Un-classified
<b>Total, including outlying areas</b>	<b>27,061</b>	<b>66,122,558</b>	<b>27,270,278</b>	<b>17,265,068</b>	<b>2,932,954</b>	<b>8,272,231</b>	<b>22,855,131</b>	<b>26,361,692</b>	<b>895,730</b>
<b>Continental U. S.</b>	<b>25,994</b>	<b>67,924,372</b>	<b>27,130,288</b>	<b>17,216,618</b>	<b>2,932,954</b>	<b>8,294,209</b>	<b>23,761,845</b>	<b>26,305,097</b>	<b>670,699</b>
<b>New England</b>	<b>1,101</b>	<b>7,835,815</b>	<b>4,249,959</b>	<b>2,794,235</b>	<b>209,321</b>	<b>797,161</b>	<b>1,711,425</b>	<b>4,308,797</b>	<b>509,163</b>
Maine	144	466,694	196,042	213,751	5,726	47,418	82,917	298,113	—
New Hampshire	123	304,068	139,983	142,478	3,435	36,549	39,790	213,505	—
Vermont	105	261,716	153,001	80,546	2,559	30,165	28,566	193,192	—
Massachusetts	442	4,911,542	2,721,065	1,624,386	138,997	461,202	1,121,297	2,447,485	504,480
Rhode Island	37	571,441	274,314	239,178	20,597	59,559	135,459	354,446	—
Connecticut	250	1,320,034	762,964	423,896	32,006	162,268	300,196	796,056	4,663
<b>Eastern</b>	<b>2,706</b>	<b>29,434,300</b>	<b>15,457,587</b>	<b>7,965,782</b>	<b>1,429,515</b>	<b>3,756,129</b>	<b>10,338,902</b>	<b>10,924,205</b>	<b>24,973</b>
New York	1,151	16,894,762	10,150,482	4,500,055	1,036,405	2,132,149	6,811,584	6,562,980	—
New Jersey	568	2,619,291	1,464,023	790,610	79,045	3,1347	874,441	1,228,609	24,113
Pennsylvania	1,640	6,512,856	3,140,141	2,270,088	321,744	1,107,044	2,158,813	2,548,011	—
Delaware	59	151,230	78,406	53,228	6,228	28,797	58,480	54,102	889
Maryland	344	941,067	442,034	312,080	46,436	125,107	289,431	437,233	—
Dist. of Col.	43	315,184	181,841	59,691	9,610	49,665	146,033	91,271	—
<b>Southern</b>	<b>6,332</b>	<b>9,744,825</b>	<b>4,159,337</b>	<b>243,492</b>	<b>263,609</b>	<b>970,280</b>	<b>2,734,474</b>	<b>1,651,681</b>	<b>223,732</b>
Virginia	497	671,672	457,490	79,250	15,569	110,810	205,700	245,123	—
West Virginia	339	452,494	299,713	65,480	8,267	71,814	180,616	162,234	—
North Carolina	540	503,958	342,503	45,402	7,582	73,143	196,913	157,654	—
South Carolina	261	234,841	143,794	36,673	4,824	34,230	77,438	97,390	—
Georgia	471	462,843	297,641	54,354	31,845	18,569	174,120	140,286	—
Florida	327	562,505	278,322	123,514	13,666	68,131	239,784	177,825	—
Alabama	356	349,241	221,534	50,308	8,783	56,700	149,846	106,753	—
Mississippi	348	276,588	157,566	51,354	3,727	30,385	116,100	100,635	—
Louisiana	232	529,314	330,778	68,002	15,032	62,120	238,294	130,729	—
Texas	1,426	1,314,162	754,466	186,635	99,462	194,497	704,791	190,020	1,418
Arkansas	455	268,903	170,223	28,324	31,005	37,251	123,366	73,348	870
Kentucky	590	591,418	372,004	107,016	12,919	84,619	112,541	90,401	221,464
Tennessee	520	526,626	333,283	49,120	10,778	68,511	211,965	173,113	—
<b>Middle Western</b>	<b>9,817</b>	<b>16,179,299</b>	<b>8,816,180</b>	<b>3,931,384</b>	<b>723,472</b>	<b>1,927,456</b>	<b>6,134,184</b>	<b>6,137,555</b>	<b>50,541</b>
Ohio	1,067	3,238,029	1,940,814	699,600	221,828	376,469	1,107,255	1,430,166	—
Indiana	1,065	1,200,393	673,111	207,137	19,069	144,936	506,425	298,078	18,824
Illinois	1,843	4,677,864	2,700,484	902,966	194,514	585,074	1,955,971	1,466,647	—
Michigan	796	2,267,854	914,625	909,626	123,156	254,554	778,174	1,005,040	642
Wisconsin	973	1,100,620	632,773	271,461	78,383	119,865	367,150	514,001	—
Minnesota	1,196	1,129,048	547,023	349,815	30,063	112,658	350,731	530,595	8,717
Iowa	1,438	1,024,005	616,437	180,481	31,042	115,801	318,468	493,742	2,358
Missouri	1,439	1,601,480	890,923	350,296	37,417	219,039	749,010	398,646	—
<b>Western</b>	<b>4,502</b>	<b>2,546,455</b>	<b>1,394,406</b>	<b>496,837</b>	<b>101,583</b>	<b>276,679</b>	<b>1,145,836</b>	<b>761,045</b>	<b>91,619</b>
North Dakota	530	165,726	99,707	29,165	10,955	18,747	53,505	81,109	315
South Dakota	417	158,640	90,658	28,971	3,142	17,372	62,194	66,421	—
Nebraska	1,025	541,422	337,936	63,814	12,134	56,054	212,048	184,798	—
Kansas	1,180	541,455	311,022	82,659	19,921	71,330	284,385	123,015	441
Montana	210	170,369	83,451	46,417	3,906	18,247	76,390	63,042	—
Wyoming	88	68,419	37,299	14,352	1,997	7,747	32,281	22,618	—
Colorado	297	337,858	159,201	96,682	24,164	37,001	166,130	116,816	—
New Mexico	59	41,297	20,241	11,517	1,618	4,773	24,554	8,760	99
Oklahoma	666	521,251	244,901	125,260	23,639	47,406	241,849	85,384	80,703
<b>Pacific States</b>	<b>1,487</b>	<b>6,083,538</b>	<b>2,963,680</b>	<b>1,132,936</b>	<b>141,471</b>	<b>496,504</b>	<b>1,697,734</b>	<b>2,327,830</b>	<b>463</b>
Washington	358	520,146	260,821	143,639	35,160	50,095	213,857	200,818	—
Oregon	253	326,755	160,569	92,102	21,777	33,707	147,037	116,050	—
California	544	3,833,958	2,312,230	815,519	3,704	398,748	1,180,230	1,863,698	—
Idaho	144	97,503	47,724	25,441	2,961	10,177	47,795	30,618	—
Utah	107	175,893	111,305	29,175	5,073	19,488	52,475	67,402	—
Nevada	35	46,529	27,824	7,844	566	5,067	16,619	20,163	270
Arizona	46	82,804	42,390	19,216	1,930	8,622	39,711	29,081	23
<b>Alaska Territory</b>	<b>17</b>	<b>13,781</b>	<b>5,064</b>	<b>4,881</b>	<b>—</b>	<b>1,525</b>	<b>6,614</b>	<b>5,039</b>	<b>—</b>
<b>Hawai Territory</b>	<b>23</b>	<b>105,643</b>	<b>55,155</b>	<b>22,036</b>	<b>—</b>	<b>16,105</b>	<b>40,496</b>	<b>36,032</b>	<b>2,686</b>
<b>Porto Rico</b>	<b>15</b>	<b>61,576</b>	<b>41,622</b>	<b>4,641</b>	<b>—</b>	<b>10,360</b>	<b>22,615</b>	<b>15,183</b>	<b>192</b>
<b>Philippines</b>	<b>12</b>	<b>127,186</b>	<b>37,649</b>	<b>6,077</b>	<b>—</b>	<b>20,032</b>	<b>23,561</b>	<b>20,347</b>	<b>22,323</b>

<sup>1</sup> Less expenses and taxes paid.

Source: Comptroller of the Currency, Treasury Department.

# No. 262.—BANKS: INDIVIDUAL DEPOSITS IN EACH CLASS OF BANKS, UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS

[NOTE.—Data for national banks are as of reports nearest to June 30, for other banks, of various dates within the year but during recent years, mainly, as of June 30 or nearest report date. Beginning with 1913, figures include dividends unpaid, excluded in prior years, and exclude certified checks and cashiers' checks, previously included. Postal savings deposits are included. Figures for private banks include all private banks in 1880 and 1882 and only those under State supervision and others voluntarily reporting from 1887 to date (see headnote Table 260). For 1909 to 1915, when statistics were compiled from reports from the individual banks, and in recent years, the segregation of the classes of banks is fairly accurate. In other years figures for State banks include stock savings banks and loan and trust companies in a number of States, and in some instances private banks]

[All money figures in thousands of dollars]

Year	Total	National banks	State banks	Loan and trust companies	Private banks	Savings banks	
						Deposits	Number of depositors
							Thousands
1880						6, 973	38
1881			75, 697			14, 052	79
1882			109, 587			43, 431	251
1883			253, 802			149, 278	694
1884		1 398, 358	(1)			242, 619	981
1885		542, 262	(1)			549, 874	1, 631
1886		686, 479	165, 871	85, 025		924, 037	2, 360
1887	2, 134, 285	833, 701	208, 752	90, 008	182, 667	819, 107	2, 336
1888	2, 755, 803	1, 066, 707	281, 835	144, 842	295, 622	966, 797	2, 710
1889		1, 043, 138	334, 996	165, 379	(1)	1, 024, 857	2, 876
1890		979, 020	325, 366	188, 746	(1)	1, 073, 295	3, 015
1891		1, 106, 377	344, 308	188, 417	(1)	1, 095, 172	3, 071
1892		1, 146, 247	342, 883	214, 063	(1)	1, 141, 531	3, 159
1893	3, 303, 655	1, 285, 077	446, 560	240, 191	96, 580	1, 235, 247	3, 418
1894	3, 419, 344	1, 292, 342	410, 048	257, 878	94, 879	1, 364, 197	3, 838
1895	3, 776, 410	1, 442, 138	507, 084	299, 613	83, 184	1, 444, 391	4, 022
1896	4, 060, 803	1, 521, 746	553, 055	336, 456	99, 522	1, 550, 024	4, 259
1897	4, 196, 812	1, 535, 059	556, 637	355, 330	94, 960	1, 654, 826	4, 533
1898	4, 664, 934	1, 753, 340	648, 514	411, 660	93, 091	1, 758, 330	4, 782
1899	4, 627, 224	1, 556, 761	706, 866	486, 244	68, 553	1, 808, 800	4, 831
1900	4, 651, 215	1, 677, 801	658, 107	471, 299	66, 075	1, 777, 933	4, 778
1901	4, 921, 268	1, 736, 022	712, 410	546, 653	81, 825	1, 844, 358	4, 876
1902	4, 945, 124	1, 668, 414	695, 660	586, 468	59, 116	1, 935, 466	5, 065
1903	5, 094, 735	1, 770, 481	723, 641	566, 922	50, 278	1, 983, 414	5, 201
1904	5, 688, 153	2, 023, 357	912, 365	662, 138	62, 085	2, 028, 208	5, 239
1905	6, 768, 658	2, 522, 158	1, 164, 021	835, 499	64, 974	2, 182, 006	5, 524
1906	7, 238, 986	2, 458, 093	1, 266, 735	1, 028, 232	96, 206	2, 389, 720	5, 898
1907	8, 460, 642	2, 941, 837	1, 610, 502	1, 271, 081	118, 622	2, 518, 600	6, 100
1908	9, 104, 723	3, 098, 876	1, 698, 185	1, 525, 887	131, 670	2, 650, 104	6, 389
1909	9, 553, 694	3, 200, 994	1, 814, 570	1, 589, 399	133, 248	2, 815, 483	6, 674
1910	10, 000, 547	3, 312, 440	2, 073, 218	1, 600, 322	95, 791	2, 918, 775	6, 889
1911	11, 350, 739	3, 783, 658	2, 365, 210	1, 980, 857	127, 937	3, 093, 077	7, 218
1912	12, 215, 768	4, 055, 874	2, 741, 464	2, 008, 938	109, 948	3, 299, 545	7, 495
1913	13, 099, 635	4, 322, 880	3, 068, 650	2, 061, 623	151, 072	3, 495, 410	7, 983
1914	12, 784, 511	4, 374, 551	2, 937, 130	1, 866, 964	126, 673	3, 479, 193	8, 088
1915	14, 108, 039	4, 898, 577	2, 466, 959	2, 835, 835	193, 263	3, 713, 406	8, 832
1916	15, 283, 396	5, 287, 216	2, 727, 927	3, 073, 123	124, 644	4, 070, 486	9, 143
1917	15, 906, 275	5, 477, 991	2, 777, 567	3, 295, 856	142, 277	4, 212, 584	9, 795
1918	17, 024, 068	5, 826, 461	2, 919, 978	3, 674, 578	152, 495	4, 451, 556	10, 010
1919	17, 279, 059	5, 830, 543	3, 036, 882	3, 543, 659	143, 175	4, 724, 801	10, 767
1920	18, 317, 613	6, 143, 245	3, 189, 737	3, 905, 952	144, 795	4, 933, 885	11, 109
1921	18, 969, 900	6, 428, 143	3, 231, 654	4, 179, 323	134, 097	4, 996, 683	11, 286
1922	22, 554, 685	7, 850, 615	4, 284, 554	5, 184, 304	145, 359	5, 089, 853	11, 148
1923	26, 062, 987	9, 323, 413	5, 376, 701	5, 782, 869	161, 349	5, 418, 654	11, 367
1924	27, 748, 471	10, 029, 428	6, 094, 562	5, 959, 533	193, 160	5, 471, 788	11, 380
1925	32, 665, 266	11, 891, 132	8, 976, 046	5, 678, 424	216, 257	5, 903, 427	11, 435
1926	37, 315, 123	13, 705, 325	10, 836, 188	6, 065, 967	169, 449	6, 538, 194	11, 428
1927	34, 844, 572	12, 405, 631	10, 675, 467	5, 611, 787	133, 689	6, 017, 998	10, 738
1928	37, 194, 318	13, 264, 366	10, 107, 597	6, 495, 928	145, 179	7, 181, 248	12, 539
1929	40, 034, 195	14, 043, 460	11, 130, 142	6, 831, 018	131, 666	7, 897, 909	13, 340
1930	42, 954, 121	14, 853, 183	11, 755, 233	7, 785, 331	120, 519	8, 439, 855	13, 972
1931	46, 765, 942	16, 354, 912	12, 682, 753	8, 536, 860	126, 236	9, 065, 181	14, 657
1932	48, 882, 296	17, 092, 412	13, 158, 075	8, 900, 928	131, 763	9, 599, 118	15, 162
1933	51, 132, 554	18, 239, 353	12, 936, 590	10, 094, 485	123, 224	9, 738, 902	14, 814

<sup>1</sup> Individual and other.

<sup>2</sup> No data.

<sup>3</sup> Apparent decrease in deposits in savings banks was mainly due to the fact that in 1921 a number of banks in California, classed in other years as stock savings banks, were included with returns for State banks.

Source: Comptroller of the Currency, Treasury Department.

## No. 268.—PRINCIPAL RESOURCES AND LIABILITIES, NATIONAL BANKS

[NOTE.—All figures in millions and tenths of millions of dollars; for example, 5,690.6=\$5,690,600,000. Aggregates include unspecified items of assets and also of liabilities. Data include banks in Alaska and Hawaii]

	Sept. 1, 1911	Dec. 31, 1914	Nov. 17, 1916	Aug. 31, 1918	Sept. 12, 1919	Sept. 8, 1920	Sept. 6, 1921	Sept. 15, 1922
<b>RESOURCES</b>								
Loans and discounts <sup>1</sup> .....	5,690.6	6,363.4	8,403.7	10,111.1	11,541.5	13,723.6	11,695.0	11,248.2
United States Government securities.....	775.0	795.1	724.5	2,466.3	3,296.6	2,175.0	1,862.0	2,402.5
Other bonds <sup>2</sup> .....	1,033.7	1,270.4	1,710.0	1,695.1	1,806.6	1,805.6	1,973.7	2,289.8
Stock in Federal reserve banks <sup>3</sup> .....			54.1	57.3	60.5	66.9		
Due from Federal reserve banks <sup>4</sup> .....		261.5	649.2	1,307.7	1,605.2	1,723.5	1,335.4	1,651.0
Due from other banks.....	1,306.4	1,159.0	2,018.8	1,527.8	1,707.7	1,424.2	1,039.7	1,363.2
Cash.....	941.4	734.7	858.3	364.1	439.2	471.5	357.8	332.0
Aggregate resources <sup>5</sup> .....	10,379.4	11,357.1	15,568.8	18,646.7	22,056.3	22,175.8	19,719.2	20,926.1
<b>LIABILITIES</b>								
Capital stock.....	1,025.4	1,066.0	1,071.1	1,101.8	1,138.0	1,248.3	1,276.2	1,307.1
Surplus.....	670.0	726.9	739.3	813.8	886.1	996.9	1,027.4	1,042.2
Undivided profits.....	234.4	281.9	332.5	366.6	414.7	459.1	538.8	539.0
Circulation outstanding.....	697.0	848.8	665.3	674.2	681.6	693.3	704.7	726.8
Due to all banks <sup>6</sup> .....	2,236.7	2,003.3	3,679.7	3,014.0	3,490.1	3,102.6	2,417.4	3,014.0
Demand deposits <sup>7</sup> .....	4,924.2	5,026.4	6,915.8	8,474.3	10,270.5	10,089.0	8,462.7	9,415.6
Time deposits <sup>8</sup> .....	467.2	1,206.8	1,893.8	2,397.5	2,921.0	3,560.3	3,680.7	4,169.2
Total deposits.....	7,628.1	8,236.5	12,489.3	13,885.8	16,681.6	16,752.0	14,560.9	16,598.8
Bills payable.....	64.6	96.9	25.1	690.9	1,064.6	1,009.3	551.7	181.8
Acceptances.....			98.2	243.8	323.2	414.6	218.2	183.4

	Sept. 14, 1923	Oct. 10, 1924	Sept. 28, 1925	Dec. 31, 1926	Dec. 31, 1927			
					All banks	Central reserve cities	Other reserve cities	Coun- try banks
<b>RESOURCES</b>								
Loans and discounts <sup>1</sup> .....	11,947.5	12,222.4	13,149.4	13,582.6	14,841.6	3,633.5	4,893.5	6,314.5
United States Government securities.....	2,602.8	2,579.2	2,512.0	2,282.6	2,747.9	629.9	1,041.2	1,076.8
Other bonds <sup>2</sup> .....	2,398.3	2,897.0	3,242.6	3,507.8	4,151.9	518.4	1,030.0	2,603.5
Due from Federal reserve banks <sup>3</sup> .....	1,632.8	1,731.5	1,781.0	1,902.7	2,029.7	632.6	799.4	597.7
Due from other banks.....	1,253.7	1,852.2	1,514.8	1,548.0	1,651.2	108.3	647.1	895.7
Cash.....	361.5	360.1	362.3	352.7	361.4	33.5	93.7	234.2
Aggregate resources <sup>5</sup> .....	21,712.9	23,323.1	24,569.5	25,683.8	28,164.2	6,510.3	9,285.6	12,368.3
<b>LIABILITIES</b>								
Capital stock.....	1,332.4	1,332.5	1,375.0	1,410.7	1,528.5	290.0	481.1	757.5
Surplus.....	1,068.3	1,074.3	1,125.5	1,217.0	1,314.4	348.1	365.7	600.7
Undivided profits.....	523.0	556.8	543.6	477.2	530.8	116.1	155.3	259.4
Circulation outstanding.....	731.5	723.5	649.2	646.4	650.4	37.3	155.8	457.3
Due to all banks <sup>6</sup> .....	2,743.1	3,664.1	3,333.0	3,423.6	3,652.0	1,504.1	1,613.6	534.4
Demand deposits <sup>7</sup> .....	9,433.0	9,984.0	10,602.6	10,906.9	11,399.5	2,936.3	3,790.5	4,672.7
Time deposits <sup>8</sup> .....	4,864.4	5,460.7	5,994.4	6,533.4	7,808.4	600.6	2,321.1	4,886.8
Total deposits.....	17,040.5	19,108.8	19,930.1	20,864.0	22,860.0	5,041.0	7,725.2	10,093.8
Bills payable.....	353.0	123.6	316.6	391.6	410.1	226.8	85.9	97.5
Acceptances.....	164.7	159.0	220.4	273.6	389.4	244.3	136.4	8.7

<sup>1</sup> Including overdrafts and rediscounts.

<sup>2</sup> Including all stocks and securities, etc., except United States Government securities, commencing Sept. 6, 1921.

<sup>3</sup> Included in "Other bonds" beginning Sept. 6, 1921.

<sup>4</sup> Including items with Federal reserve bank in process of collection.

<sup>5</sup> Including rediscounts.

<sup>6</sup> Includes certified checks and cashier's checks outstanding.

<sup>7</sup> Including United States deposits.

<sup>8</sup> Including postal savings deposits.

Source: Comptroller of the Currency, Treasury Department.

## No. 264.—SUMMARY FOR NATIONAL BANKS: BY STATES, JUNE 30, 1927

[NOTE.—All money figures in thousands of dollars. Figures include reserve cities in each State]

Division and State	Number of banks	Total resources or liabilities	Loans and discounts, including rediscounts	Investments	Lawful reserve with Federal reserve banks	Capital, surplus, and undivided profits <sup>1</sup>	National bank circulation	Demand deposits	Time deposits
<b>Total with Alaska and Hawaii.....</b>	<b>7,796</b>	<b>26,561,943</b>	<b>13,955,698</b>	<b>6,393,218</b>	<b>1,406,052</b>	<b>3,236,539</b>	<b>650,946</b>	<b>10,923,729</b>	<b>7,316,694</b>
<b>Continental U. S. . . . .</b>	<b>7,790</b>	<b>26,566,508</b>	<b>13,950,011</b>	<b>6,388,040</b>	<b>1,406,052</b>	<b>3,237,643</b>	<b>650,446</b>	<b>10,918,659</b>	<b>7,313,146</b>
<b>New England . . . . .</b>	<b>339</b>	<b>2,190,824</b>	<b>1,190,266</b>	<b>559,168</b>	<b>101,386</b>	<b>225,192</b>	<b>42,309</b>	<b>909,508</b>	<b>637,116</b>
Maine . . . . .	57	161,719	72,985	69,904	5,728	19,787	5,679	38,540	92,373
New Hampshire . . . . .	55	80,817	39,930	26,955	3,435	13,844	4,678	34,948	18,641
Vermont . . . . .	46	72,351	37,385	26,180	2,559	10,484	4,293	17,236	36,463
Massachusetts . . . . .	153	1,500,182	831,946	334,682	76,349	178,734	19,531	641,906	385,299
Rhode Island . . . . .	13	63,792	33,480	22,053	2,488	12,676	4,024	28,858	14,901
Connecticut . . . . .	65	312,463	173,542	79,492	10,827	51,667	10,097	140,957	89,139
<b>Eastern . . . . .</b>	<b>1,829</b>	<b>10,909,028</b>	<b>5,331,828</b>	<b>2,900,535</b>	<b>631,187</b>	<b>1,395,388</b>	<b>189,107</b>	<b>4,422,942</b>	<b>2,681,963</b>
New York . . . . .	554	6,315,727	3,026,715	1,455,694	420,526	744,250	87,445	2,763,014	1,051,754
New Jersey . . . . .	291	942,119	408,284	302,859	40,448	111,509	20,780	344,557	411,583
Pennsylvania . . . . .	368	3,146,453	1,544,473	1,012,502	145,109	470,289	83,211	1,119,509	1,066,504
Delaware . . . . .	19	25,591	12,167	9,454	1,055	5,140	1,142	9,488	8,599
Maryland . . . . .	84	312,475	157,147	87,663	14,369	43,019	9,553	105,775	101,336
Dist. of Col . . . . .	13	160,663	92,872	32,363	9,610	21,106	3,976	79,900	41,484
<b>Southern . . . . .</b>	<b>1,783</b>	<b>2,598,290</b>	<b>2,127,113</b>	<b>607,965</b>	<b>164,572</b>	<b>483,487</b>	<b>169,493</b>	<b>1,474,763</b>	<b>1,006,683</b>
Virginia . . . . .	167	398,130	266,930	57,014	15,599	59,306	20,405	124,642	150,866
West Virginia . . . . .	122	206,569	130,176	37,576	8,287	30,218	10,413	78,251	74,296
North Carolina . . . . .	77	195,917	120,491	21,225	7,682	28,950	9,416	69,757	59,514
South Carolina . . . . .	65	133,123	76,740	24,410	4,824	16,445	6,282	41,308	55,709
Georgia . . . . .	83	273,454	170,834	36,442	12,941	35,616	8,036	104,796	81,749
Florida . . . . .	62	288,935	133,794	78,370	13,666	30,758	5,422	107,929	96,720
Alabama . . . . .	106	204,090	118,703	39,627	8,783	29,919	9,335	83,157	61,764
Mississippi . . . . .	36	93,169	51,145	21,487	3,727	10,185	2,930	36,116	34,926
Louisiana . . . . .	32	123,582	78,569	12,468	4,834	15,697	4,261	58,965	21,485
Texas . . . . .	649	1,016,777	574,533	160,493	55,811	142,803	43,231	526,703	157,379
Arkansas . . . . .	79	101,533	57,958	17,782	4,731	12,456	3,441	43,100	31,278
Kentucky . . . . .	142	301,247	176,379	70,175	12,919	39,849	16,317	112,541	90,401
Tennessee . . . . .	104	255,744	164,871	30,875	10,776	31,283	12,014	87,475	68,458
<b>Middle Western . . . . .</b>	<b>2,052</b>	<b>6,890,701</b>	<b>3,197,179</b>	<b>1,364,524</b>	<b>322,769</b>	<b>681,162</b>	<b>169,779</b>	<b>2,456,666</b>	<b>1,650,396</b>
Ohio . . . . .	340	900,519	472,573	242,646	41,359	123,420	30,870	375,675	284,448
Indiana . . . . .	233	440,325	235,927	106,150	19,009	57,953	22,775	179,413	132,078
Illinois . . . . .	490	1,839,001	1,051,989	358,558	129,193	267,379	34,828	866,049	375,747
Michigan . . . . .	134	579,511	307,574	142,121	29,406	62,247	13,929	267,803	212,868
Wisconsin . . . . .	156	464,838	253,872	118,567	19,447	50,968	16,045	163,562	177,265
Minnesota . . . . .	277	644,069	312,854	183,943	29,537	65,933	13,976	234,656	231,524
Iowa . . . . .	287	362,755	191,096	82,225	17,329	38,901	15,176	132,480	123,592
Missouri . . . . .	135	659,699	371,402	130,314	37,417	74,361	16,373	279,030	113,894
<b>Western . . . . .</b>	<b>1,266</b>	<b>1,505,405</b>	<b>739,598</b>	<b>367,861</b>	<b>77,013</b>	<b>150,044</b>	<b>39,961</b>	<b>734,860</b>	<b>393,816</b>
North Dakota . . . . .	141	90,766	48,964	23,203	3,674	9,219	3,498	30,650	41,991
South Dakota . . . . .	98	71,857	34,877	20,461	3,142	7,420	2,269	29,965	26,213
Nebraska . . . . .	153	228,845	126,283	38,818	11,763	24,166	7,803	96,971	49,336
Kansas . . . . .	257	261,226	134,293	56,101	13,416	29,658	9,856	134,382	53,723
Montana . . . . .	74	88,146	42,524	23,656	3,996	6,008	2,353	38,314	72,470
Wyoming . . . . .	30	43,267	21,827	10,809	1,997	4,734	1,666	20,216	13,554
Colorado . . . . .	124	262,349	119,132	79,037	15,768	24,740	4,306	124,638	84,799
New Mexico . . . . .	28	30,357	14,291	8,943	1,618	3,205	1,245	18,465	5,746
Oklahoma . . . . .	350	426,592	197,497	106,803	23,039	37,385	6,955	241,849	86,354
<b>Pacific . . . . .</b>	<b>541</b>	<b>2,480,280</b>	<b>1,364,226</b>	<b>587,989</b>	<b>109,155</b>	<b>242,378</b>	<b>63,890</b>	<b>923,629</b>	<b>944,564</b>
Washington . . . . .	109	322,535	153,394	91,679	16,760	30,410	9,439	148,076	100,265
Oregon . . . . .	95	218,741	109,079	67,102	10,905	20,312	2,998	96,435	78,987
California . . . . .	240	1,178,798	1,023,383	302,802	73,704	175,741	35,358	600,467	718,742
Idaho . . . . .	52	59,121	28,772	13,911	2,518	5,589	1,984	26,843	17,634
Utah . . . . .	30	54,217	31,632	10,733	3,034	5,881	2,192	24,673	13,314
Nevada . . . . .	10	14,902	10,485	4,790	866	2,257	1,197	7,085	7,187
Arizona . . . . .	15	27,946	14,580	6,972	1,278	2,180	652	14,650	8,445
<b>New York City<sup>2</sup> . . . . .</b>	<b>23</b>	<b>4,917,611</b>	<b>2,348,646</b>	<b>958,287</b>	<b>359,470</b>	<b>581,768</b>	<b>32,343</b>	<b>2,860,948</b>	<b>1,28,117</b>
<b>Chicago<sup>3</sup> . . . . .</b>	<b>12</b>	<b>1,106,824</b>	<b>681,887</b>	<b>198,334</b>	<b>96,805</b>	<b>114,574</b>	<b>4,449</b>	<b>585,967</b>	<b>59,741</b>
<b>Alaska . . . . .</b>	<b>4</b>	<b>4,841</b>	<b>2,035</b>	<b>1,651</b>	<b>—</b>	<b>393</b>	<b>59</b>	<b>2,595</b>	<b>1,342</b>
<b>Hawaii . . . . .</b>	<b>2</b>	<b>10,594</b>	<b>3,650</b>	<b>3,327</b>	<b>—</b>	<b>1,501</b>	<b>442</b>	<b>4,475</b>	<b>1,137</b>

<sup>1</sup> Less expenses and taxes paid.<sup>2</sup> Included in figures for respective States.<sup>3</sup> Central reserve city banks.

Source. Comptroller of the Currency, Treasury Department.

**No. 265.—NATIONAL BANKS: CLASSIFICATION OF LOANS AND DISCOUNTS AT MIDSUMMER CALL**  
 [NOTE.—All figures in thousands of dollars. Data include banks in Alaska and Hawaii.]

	Total	On demand			On time			Secured by im- proved real estate under section 24, Federal reserve act		Secured by real estate mort- gages or other loans on realty not under section 24, Federal reserve act				Accept- ances of re- porting bank pur- chased or dis- counted	Accept- ances of other banks dis- counted	Cus- tomers' liabil- ity on drafts paid under letters of credit
		Not as- sured by collat- eral	Secured by stocks and bonds	Secured by other personal securi- ties, etc.	Not as- sured by collat- eral	Secured by stocks and bonds	Secured by other personal securi- ties, etc.	Farm lands	Other real estate	All other real estate loans		Farm lands	Other real estate			
										For debts pre- viously con- tracted	Other real estate					
<b>All banks:</b>																
June 7, 1911	8,610,830	529,733	1,053,762	3,009,852	1,052,300	1,052,300							165,112			
June 30, 1914	6,430,000	615,911	1,036,977	3,403,353	1,372,826	1,372,826										
June 30, 1916	7,679,107	690,213	1,159,007	3,760,226	1,029,612	1,029,612										
June 30, 1918	10,135,642	620,765	1,170,073	5,207,268	1,428,064	1,428,064										
June 30, 1919	11,010,206	507,509	1,307,787	5,251,324	2,130,598	2,130,598										
June 30, 1920	13,611,400	707,220	1,361,684	7,604,971	1,855,000	1,855,000										
June 30, 1921	12,004,815	679,704	1,151,114	6,664,444	1,548,053	1,548,053										
June 30, 1922	11,248,214	657,298	1,408,369	5,770,583	1,499,092	1,499,092										
June 30, 1923	11,817,071	733,530	1,453,203	5,776,000	1,519,317	1,519,317										
June 30, 1924	11,978,728	737,559	1,545,025	5,823,018	1,559,898	1,559,898										
June 30, 1925	12,674,007	726,100	1,643,167	6,132,316	1,817,730	1,817,730										
June 30, 1926	13,417,074	777,107	2,053,871	6,344,135	1,982,754	1,982,754										
June 30, 1927	13,855,896	821,795	2,223,557	6,123,948	2,316,105	2,316,105										
<b>Central reserve cities</b>																
New York	8,030,532	74,563	908,364	1,138,167	616,829	616,829	157	2,040	110	1,431			789	87,709	15,966	
Chicago	2,348,645	41,167	735,363	802,724	473,975	473,975		1,521		1,416			775	49,313	18,810	
	881,867	33,306	172,461	235,443	142,654	142,654	157	519	110	5			14	8,306	170	
<b>Other reserve cities</b>																
Country banks	4,845,101	266,968	711,186	1,930,313	932,106	932,106	40,744	233,418	16,596	94,507	12,497		51,236	22,735	4,141	
New England States	6,980,063	478,260	604,027	3,087,449	770,310	770,310	116,008	336,009	109,367	79,596	8,777		98,997	12,904	1,919	
Eastern States	650,200	48,182	86,377	260,487	122,477	122,477	2,926	43,666	1,047	7,680	650		6,300	883	1	
Southern States	1,058,894	308,658	311,398	926,403	209,020	209,020	16,541	167,304	8,184	28,041	1,512		12,757	2,310	36	
Middle Western States	1,441,184	57,225	71,218	751,123	201,312	201,312	22,809	35,909	81,500	22,037	2,105		3,381	5,036	1,382	
State	1,410,181	105,352	14,186	750,212	174,186	174,186	48,998	68,429	33,100	16,901	2,422		3,331	2,007	163	
Western States	461,306	21,184	22,111	178,367	28,469	28,469	13,222	7,867	19,269	4,795	1,441		673	862	146	
Pacific States	352,533	36,583	16,163	156,660	34,957	34,957	11,261	12,581	12,167	5,263	647		980	506	128	
Alaska and Hawaii	5,685	1,072	2,574	1,136	40	40	256	223					75			

<sup>1</sup> Includes all real estate loans not under section 24, Federal reserve act.

<sup>2</sup> Not called for.

<sup>3</sup> Includes loan secured by other personal securities.

<sup>4</sup> Includes all loans secured by mortgage or other real estate security.

<sup>5</sup> Includes all real estate loans under section 24, Federal reserve act.

Source: Comptroller of the Currency, Treasury Department.

# No. 266.—LOANS AND DISCOUNTS, NATIONAL BANKS, JUNE 30: BY RESERVE CITIES AND STATES

[All figures in thousands of dollars]

City, State, or Territory	1915	1916	1917	City, State, or Territory	1915	1916	1917
<b>CONTINENTAL UNITED STATES</b>				<b>Other reserve cities—Con.</b>			
<b>All national banks</b>	<b>12, 670, 116</b>	<b>12, 412, 829</b>	<b>12, 960, 011</b>	Oakland	17, 707	19, 749	19, 851
<b>Central reserve cities</b>	<b>2, 004, 929</b>	<b>2, 914, 888</b>	<b>3, 080, 632</b>	San Francisco	177, 856	179, 668	586, 118
New York City	2, 064, 305	2, 274, 618	2, 248, 645	Ogden	5, 048	4, 520	5, 091
Chicago	610, 617	640, 050	661, 887	Salt Lake City	18, 475	19, 394	20, 047
<b>Other reserve cities</b>	<b>2, 004, 846</b>	<b>4, 183, 136</b>	<b>4, 645, 101</b>	<b>Country banks</b>	<b>5, 960, 660</b>	<b>6, 915, 016</b>	<b>6, 274, 378</b>
Albany	55, 546	57, 221	53, 689	<b>New England States</b>	<b>616, 600</b>	<b>643, 862</b>	<b>650, 200</b>
Boston	493, 695	518, 954	540, 068	Maine	64, 473	68, 852	73, 985
Brooklyn and Bronx	34, 660	42, 507	52, 445	New Hampshire	37, 120	38, 536	39, 930
Buffalo	42, 007	10, 408	14, 417	Vermont	32, 715	24, 555	37, 385
Philadelphia	459, 927	512, 061	503, 709	Massachusetts	290, 766	303, 611	291, 878
Pittsburgh	199, 774	212, 189	210, 350	Rhode Island	41, 633	32, 435	34, 480
Baltimore	97, 729	96, 156	98, 617	Connecticut	149, 903	165, 673	173, 542
Washington	77, 671	85, 276	92, 872	<b>Eastern States</b>	<b>1, 698, 360</b>	<b>1, 901, 251</b>	<b>1, 958, 684</b>
Richmond	67, 754	55, 783	57, 295	New York	486, 798	545, 570	557, 619
Atlanta	61, 644	60, 753	62, 797	New Jersey	406, 680	485, 034	498, 254
Savannah			47, 223	Pennsylvania	739, 368	799, 989	830, 414
Jacksonville	53, 534	52, 331	45, 945	Delaware	11, 085	11, 653	12, 167
Birmingham	27, 019	28, 979	32, 165	Maryland	54, 459	59, 005	60, 530
New Orleans	24, 489	28, 969	26, 698	<b>Southern States</b>	<b>1, 386, 746</b>	<b>1, 479, 099</b>	<b>1, 641, 184</b>
Dallas	79, 302	84, 562	87, 317	Virginia	201, 233	206, 184	209, 635
El Paso	14, 639	14, 712	14, 110	West Virginia	128, 641	130, 128	130, 176
Fort Worth	37, 974	42, 844	43, 579	North Carolina	129, 806	133, 048	126, 491
Galveston	18, 219	15, 211	17, 998	South Carolina	80, 842	79, 365	76, 740
Houston	76, 072	75, 551	81, 585	Georgia	62, 050	62, 777	60, 814
San Antonio	28, 442	28, 113	34, 561	Florida	87, 806	114, 178	87, 849
Waco	12, 616	12, 322	10, 956	Alabama	72, 686	78, 194	86, 538
Little Rock	6, 685	6, 410	3, 991	Mississippi	46, 316	52, 630	51, 145
Louisville	63, 192	67, 082	63, 918	Louisiana	49, 611	54, 271	52, 861
Memphis	11, 586	11, 682	12, 716	Texas	272, 567	287, 491	284, 427
Nashville	40, 347	42, 721	44, 075	Arkansas	50, 320	56, 035	53, 967
Cincinnati	80, 823	87, 443	42, 968	Kentucky	106, 710	110, 603	112, 461
Cleveland	63, 235	68, 941	66, 182	Tennessee	98, 258	107, 135	108, 080
Columbus	50, 884	56, 133	56, 011	<b>Middle Western States</b>	<b>1, 430, 793</b>	<b>1, 448, 006</b>	<b>1, 410, 181</b>
Toledo	5, 556	6, 708	7, 232	Ohio	287, 754	306, 006	300, 180
Indianapolis	47, 822	50, 344	54, 838	Indiana	177, 995	182, 235	181, 069
Chicago	31, 392	39, 717	40, 789	Illinois	297, 566	308, 127	309, 144
Peoria	18, 029	18, 150	20, 169	Michigan	131, 291	140, 497	150, 460
Detroit	139, 671	154, 574	134, 559	Wisconsin	148, 666	153, 215	151, 179
Grand Rapids	19, 622	21, 789	22, 555	Minnesota	161, 421	147, 385	134, 482
Milwaukee	101, 605	101, 246	102, 673	Iowa	173, 992	155, 214	132, 545
Minneapolis	126, 602	118, 775	118, 682	Missouri	52, 196	55, 231	51, 102
St. Paul	50, 903	60, 003	61, 680	<b>Western States</b>	<b>493, 235</b>	<b>489, 965</b>	<b>481, 896</b>
Cedar Rapids	12, 898	13, 116	15, 949	North Dakota	52, 223	53, 657	48, 984
Des Moines	23, 265	23, 019	20, 835	South Dakota	46, 622	41, 632	34, 877
Dubuque	4, 928	4, 595	5, 436	Nebraska	64, 288	62, 609	56, 005
Sioux City	18, 928	10, 986	18, 243	Kansas	97, 925	102, 712	101, 604
Kansas City, Mo.	81, 190	78, 819	78, 999	Montana	36, 729	37, 693	38, 793
St. Joseph	18, 069	16, 111	16, 484	Wyoming	22, 551	22, 003	21, 827
St. Louis	180, 480	221, 645	225, 817	Colorado	51, 201	50, 572	49, 302
Lincoln	16, 453	15, 919	15, 159	New Mexico	15, 274	14, 572	14, 291
Omaha	65, 111	61, 969	53, 119	Oklahoma	106, 420	104, 726	95, 533
Kansas City, Kans.	6, 416	6, 981	7, 861	<b>Pacific States</b>	<b>304, 816</b>	<b>300, 063</b>	<b>359, 533</b>
Topeka	8, 614	8, 074	7, 405	Washington	65, 605	66, 055	65, 658
Wichita	15, 951	18, 444	17, 223	Oregon	45, 141	46, 484	46, 219
Helena	3, 530	3, 800	3, 731	California	182, 843	186, 475	182, 005
Denver	72, 331	64, 927	63, 446	Idaho	30, 412	30, 473	28, 772
Pueblo	5, 574	5, 309	6, 384	Utah	6, 222	6, 242	6, 894
Muskogee	5, 375	5, 852	4, 781	Nevada	9, 495	10, 281	10, 485
Oklahoma City	35, 144	33, 031	38, 840	Arizona	15, 099	14, 060	13, 580
Tulsa	48, 651	40, 549	58, 254	Alaska	1, 291	1, 513	2, 000
Seattle	60, 394	62, 793	62, 637	Hawaii	2, 654	3, 322	3, 640
Spokane	27, 195	27, 315	20, 299	<b>Grand total, including Alaska and Hawaii</b>	<b>12, 674, 067</b>	<b>12, 417, 674</b>	<b>12, 958, 696</b>
Portland	45, 105	63, 077	56, 640				
Los Angeles	184, 303	190, 462	205, 409				

Source. Comptroller of the Currency, Treasury Department.



# No. 267.—SECURITIES OWNED BY NATIONAL BANKS AS OF JUNE 30, BY CLASSES

[NOTE.—All figures in thousands of dollars. Data include banks in Alaska and Hawaii]

Class of security	1914	1922	1923	1924	1925	1926	1927
<b>Total</b> .....	1,914,889	4,563,325	5,089,703	5,142,328	5,730,444	5,842,253	6,393,218
<b>Bonds, domestic:</b>							
U. S. Government <sup>1</sup> .....	799,316	2,285,459	2,693,846	2,481,778	2,536,767	2,469,268	2,596,178
State and local government.....	176,017	414,414	401,816	505,528	594,700	647,801	743,539
Railroad.....	341,691	486,453	503,348	573,571	673,950	631,387	656,690
Other public service corporations.....	218,215	318,456	337,293	397,560	495,230	545,036	648,767
All other.....	<sup>2</sup> 284,386	423,040	521,200	575,743	698,235	772,789	910,694
Collateral trust and other corporation notes.....		168,082	135,235	105,933	124,828	154,797	155,976
<b>Stocks, domestic:</b>							
Federal reserve banks.....		70,575	71,862	72,318	74,488	78,735	81,910
All other.....	<sup>3</sup> 43,709	59,170	69,892	74,778	78,764	90,598	92,543
Claims, warrants, and judgments.....	35,926	87,727	90,252	90,594	90,548	79,423	80,140
<b>Foreign securities:</b>							
Government bonds.....	10,019	162,054	153,723	79,470	240,762	225,871	237,854
All other.....	5,609	87,895	91,236	85,055	122,163	146,548	188,927

Class of security	1926				1927			
	New York	Chicago	Other reserve cities	Country banks	New York	Chicago	Other reserve cities	Country banks
<b>Total</b> .....	907,644	115,110	1,541,816	3,277,683	938,287	136,334	1,845,543	3,473,054
<b>Bonds, domestic:</b>								
U. S. Government <sup>1</sup> .....	516,623	62,023	765,518	1,125,104	524,802	70,995	920,421	1,079,960
State and local government.....	76,152	13,822	186,657	371,170	85,497	19,791	242,158	396,093
Railroad.....	103,535	3,765	117,991	406,096	98,814	5,430	138,137	414,309
Other public service corporations.....	28,872	3,865	90,972	421,327	32,125	13,021	116,942	486,679
All other.....	82,282	14,466	159,883	516,158	86,350	10,311	201,047	612,986
Collateral trust and other corporation notes.....	26,575	7,132	62,133	58,957	36,654	3,601	54,696	61,025
<b>Stocks, domestic:</b>								
Federal reserve banks.....	14,251	2,828	21,961	39,695	14,631	2,896	23,977	40,406
All other.....	24,059	2,882	39,166	24,491	17,385	2,016	45,513	27,629
Claims, warrants, and judgments.....	125	689	12,879	65,730	184	2,070	14,162	63,724
<b>Foreign securities:</b>								
Government bonds.....	19,277	2,158	50,303	154,133	24,487	3,433	47,237	162,697
All other.....	15,893	1,480	34,353	94,822	17,358	2,770	41,253	127,546

<sup>1</sup> Includes all United States Government securities.

<sup>2</sup> Includes various securities, amounting to \$56,781,000, with the Treasury as security for public deposits.

<sup>3</sup> Includes \$900,000 erroneously shown by banks on face of banks' reports as bonds, etc.

Source: Comptroller of the Currency, Treasury Department.



### No. 268.—NATIONAL BANKS: NUMBER, CAPITAL, SURPLUS, AND UNDIVIDED PROFITS, LOANS AND DISCOUNTS, AND NOTE CIRCULATION, 1864 TO 1927

[NOTE.—All money figures expressed in millions and tenths of millions of dollars. Data relate to June 30 or nearest report date. Banks in Alaska and Hawaii are included.]

Year	Number	Capital paid in	Surplus and undivided profit	Loans and discounts <sup>1</sup>	Note circulation	Year	Number	Capital paid in	Surplus and undivided profit	Loans and discounts <sup>1</sup>	Note circulation
1864..	467	75.2	4.2	70.7	25.8	1896..	3,689	651.1	331.9	1,971.6	199.2
1865..	1,294	325.8	54.5	262.4	131.5	1897..	3,610	632.2	330.3	1,977.6	196.6
1866..	1,634	414.3	79.4	350.4	267.8	1898..	3,582	622.0	333.0	2,163.7	189.8
1867..	1,636	418.6	93.9	388.5	291.8	1899..	3,583	604.9	342.3	2,492.2	199.4
1868..	1,640	420.1	109.4	655.7	294.9	1900..	3,732	621.5	391.5	2,623.5	265.3
1869..	1,619	422.7	126.0	686.3	292.8	1901..	4,165	645.7	410.7	2,956.9	319.0
1870..	1,612	427.2	134.6	719.3	291.2	1902..	4,535	702.0	482.4	3,221.9	309.3
1871..	1,723	450.3	143.9	789.4	307.8	1903..	4,939	743.5	542.2	3,415.0	350.3
1872..	1,853	470.5	155.4	871.6	327.1	1904..	5,331	767.4	581.6	3,595.0	399.6
1873..	1,968	490.1	172.2	925.6	338.8	1905..	5,668	791.6	615.3	3,899.2	445.5
1874..	1,983	491.0	184.6	928.2	338.5	1906..	6,063	826.1	665.2	4,200.9	510.9
1875..	2,076	501.6	185.3	972.9	318.1	1907..	6,429	863.7	720.4	4,631.1	547.9
1876..	2,091	500.4	178.5	933.7	294.4	1908..	6,824	919.1	748.7	4,615.7	613.7
1877..	2,078	461.0	175.2	901.7	290.0	1909..	6,926	937.0	807.1	5,035.9	641.3
1878..	2,656	470.4	158.7	835.1	299.6	1910..	7,145	960.6	961.4	5,430.2	675.6
1879..	2,048	465.2	160.1	835.9	307.3	1911..	7,277	1,019.6	913.5	5,610.8	681.7
1880..	2,076	465.9	168.5	894.7	318.1	1912..	7,372	1,033.6	950.8	5,953.9	708.7
1881..	2,115	460.2	181.4	1,145.0	312.2	1913..	7,473	1,056.9	968.7	6,143.0	722.1
1882..	2,239	477.2	183.2	1,208.9	308.9	1914..	7,525	1,068.2	991.5	6,430.1	722.6
1883..	2,417	500.3	206.7	1,285.6	312.0	1915..	7,605	1,068.5	1,036.6	6,680.0	722.7
1884..	2,625	522.5	216.4	1,269.9	295.2	1916..	7,579	1,066.0	1,037.2	7,079.2	676.1
1885..	2,680	526.3	196.8	1,267.7	269.1	1917..	7,604	1,082.8	1,115.8	6,957.7	660.4
1886..	2,809	539.1	221.3	1,398.6	244.9	1918..	7,706	1,098.6	1,151.2	10,135.8	681.6
1887..	3,014	571.6	234.6	1,500.4	166.6	1919..	7,786	1,118.6	1,244.9	11,010.2	677.2
1888..	3,120	588.4	253.4	1,628.1	155.3	1920..	8,030	1,224.2	1,397.9	13,611.4	698.2
1889..	3,239	605.9	269.4	1,779.1	128.9	1921..	8,154	1,273.9	1,522.4	12,004.5	704.1
1890..	3,484	642.1	292.5	1,933.5	126.3	1922..	8,249	1,307.2	1,541.2	11,248.2	725.7
1891..	3,652	672.9	314.6	1,963.7	123.9	1923..	8,241	1,328.0	1,546.8	11,817.7	720.0
1892..	3,759	684.7	326.5	2,127.8	141.1	1924..	8,085	1,334.0	1,562.2	11,978.7	729.7
1893..	3,807	685.5	343.1	2,020.5	155.1	1925..	8,072	1,369.4	1,600.6	12,674.1	648.5
1894..	3,770	671.1	330.3	1,944.4	171.7	1926..	7,978	1,412.9	1,676.5	13,417.7	651.2
1895..	3,716	658.2	329.0	2,016.6	178.8	1927..	7,796	1,474.2	1,765.4	13,955.7	650.9

<sup>1</sup> Including rediscounts.

### No. 269.—NATIONAL BANKS: DIVIDENDS AND EARNINGS

[NOTE.—The dividends and earnings are for years ending Mar. 1, prior to 1907, and for years ending June 30 thereafter. The ratios are computed on the basis of the capital and surplus as shown in the earnings and dividend reports, which differ only slightly from the amounts given in Table 268, which are as of June 30 or nearest report date. Net additions to profits are calculated before deducting dividends. Data include banks in Alaska and Hawaii.]

Year (see note above)	Amount (millions of dollars)		Ratio (per cent)			Year (see note above)	Amount (millions of dollars)		Ratio (per cent)		
	Net addition to profits	Dividends	Dividends to capital	Dividends to capital and surplus	Net addition to profits to capital and surplus		Net addition to profits	Dividends	Dividends to capital	Dividends to capital and surplus	Net addition to profits to capital and surplus
1891-1895	62.7	49.0	7.3	5.4	6.9	1915..	127.1	113.7	10.63	6.33	7.06
1896-1900	52.4	45.0	7.2	5.1	6.0	1916..	157.5	114.7	10.76	6.39	8.76
1901-1905	102.2	64.0	9.2	6.2	10.0	1917..	194.3	125.5	11.61	6.79	10.52
1905..	105.2	71.0	9.2	6.1	9.0	1918..	212.3	129.8	11.82	6.78	11.09
1906..	113.7	80.8	10.4	6.8	9.5	1919..	240.4	135.0	12.15	6.83	12.11
1907 <sup>1</sup>	219.2	144.4	17.2	10.8	16.4	1920..	282.1	147.8	12.10	6.70	12.78
1908..	132.3	98.1	10.89	6.75	9.10	1921..	216.1	158.2	12.42	6.88	9.40
1909..	131.2	93.0	10.12	6.18	8.72	1922..	183.7	165.9	12.69	7.04	7.79
1910..	154.2	105.9	10.99	6.65	9.67	1923..	203.5	179.2	13.48	7.47	8.48
1911..	157.0	114.7	11.38	6.83	9.35	1924..	195.7	163.7	12.27	6.78	8.11
1912..	149.1	120.3	11.66	6.93	8.59	1925..	223.9	165.0	12.05	6.63	9.00
1913..	161.0	119.9	11.40	6.75	9.06	1926..	249.2	173.8	12.30	6.65	9.54
1914..	149.3	120.9	11.37	6.80	8.39	1927..	252.3	180.8	12.26	6.62	9.24

<sup>1</sup> Mar. 1, 1906, to July 1, 1907.

Source of Tables 268 and 269: Comptroller of the Currency, Treasury Department.

## No. 270.—ASSETS AND LIABILITIES OF BANKS OTHER THAN NATIONAL

[NOTE.—All money figures in thousands of dollars. Data relate in general to June 30. Banks in outlying territories and possessions are included.]

Class of banks and item	1910	1915	1920	1924	1925	1926	1927
<b>STATE BANKS</b>							
Number reporting	12,166	14,506	18,195	17,436	16,983	16,493	15,690
<b>Assets</b>	<b>3,094,959</b>	<b>4,399,802</b>	<b>14,009,781</b>	<b>14,816,011</b>	<b>15,979,336</b>	<b>16,879,656</b>	<b>16,564,988</b>
Loans and discounts <sup>1</sup>	2,406,467	2,906,025	8,963,410	8,906,057	9,318,658	9,738,735	9,564,207
Securities <sup>2</sup>	303,625	420,475	2,226,916	2,718,155	3,052,172	3,229,400	3,391,212
Due from other banks				1,032,954	1,243,607	1,045,705	1,101,279
Lawful reserve	485,362	557,620	1,549,571	605,931	607,461	777,430	698,033
Checks and other cash items <sup>3</sup>	106,188	74,137	332,647	425,635	522,234	423,172	404,306
Cash on hand	240,581	242,754	393,935	346,641	357,960	465,372	413,739
All other	153,737	196,591	543,102	777,638	877,146	968,842	992,163
<b>Liabilities</b>	<b>3,094,959</b>	<b>4,399,802</b>	<b>14,009,781</b>	<b>14,816,011</b>	<b>15,979,336</b>	<b>16,879,656</b>	<b>16,564,988</b>
Capital stock	435,523	503,985	926,211	1,001,619	1,062,314	1,092,424	1,078,087
Surplus fund	187,571	221,081	527,019	602,786	644,420	696,901	735,949
Undivided profits	65,679	97,220	222,599	208,756	226,968	254,767	270,096
Individual deposits <sup>4</sup>	2,677,813	3,231,654	10,836,188	11,765,233	12,662,753	13,158,075	12,926,590
Due to other banks <sup>5</sup>	182,324	229,201	493,322	549,590	702,338	664,463	810,321
Bills payable	54,850	75,979	549,608	232,929	244,782	247,666	214,535
All other	90,899	40,481	400,834	405,008	415,693	465,300	519,410
<b>LOAN AND TRUST COMPANIES</b>							
Number reporting	1,091	1,664	1,408	1,664	1,680	1,666	1,647
<b>Assets</b>	<b>4,316,850</b>	<b>5,873,190</b>	<b>8,330,018</b>	<b>10,323,777</b>	<b>11,565,549</b>	<b>12,305,196</b>	<b>12,994,786</b>
Loans and discounts <sup>1</sup>	2,256,573	3,048,668	4,601,508	5,299,016	6,126,507	6,757,525	7,463,200
Securities <sup>2</sup>	1,000,264	1,349,614	1,902,075	2,748,425	2,801,346	2,806,780	3,498,846
Due from other banks				440,682	499,964	463,113	520,565
Lawful reserve	467,643	754,163	878,692	633,392	749,109	730,494	618,225
Checks and other cash items <sup>3</sup>	26,374	47,643	193,615	477,008	502,986	529,759	619,714
Cash on hand	200,130	297,958	148,455	146,362	160,105	170,542	171,852
All other	206,866	385,075	595,673	576,992	725,512	746,963	882,305
<b>Liabilities</b>	<b>4,316,850</b>	<b>5,873,190</b>	<b>8,330,018</b>	<b>10,323,777</b>	<b>11,565,549</b>	<b>12,305,196</b>	<b>12,994,786</b>
Capital stock	367,324	476,806	475,745	621,015	643,451	672,959	745,647
Surplus fund	432,718	450,675	509,929	672,265	723,200	814,250	932,337
Undivided profits	65,449	126,718	102,194	140,948	159,036	179,955	195,617
Individual deposits <sup>4</sup>	3,028,891	4,179,323	6,065,967	7,785,321	8,536,860	8,900,868	10,094,425
Due to other banks <sup>5</sup>	234,217	424,693	452,018	606,621	913,027	905,477	1,189,966
Bills payable	11,842	23,574	214,144	77,576	95,787	124,019	123,892
All other	76,400	191,330	600,021	358,021	494,179	607,668	712,812
<b>PRIVATE BANKS<sup>6</sup></b>							
Number reporting	934	1,036	799	500	523	495	467
<b>Assets</b>	<b>160,016</b>	<b>177,666</b>	<b>212,696</b>	<b>150,943</b>	<b>156,293</b>	<b>174,159</b>	<b>164,146</b>
Loans and discounts <sup>1</sup>	108,449	114,977	128,915	76,044	80,497	93,079	91,310
Securities <sup>2</sup>	10,410	15,313	32,191	35,061	35,155	35,506	26,065
Due from other banks				20,438	19,306	20,894	22,009
Lawful reserve	24,069	24,935	29,467	3,561	3,339	3,048	3,206
Checks and other cash items <sup>3</sup>	705	594	1,463	596	847	881	611
Cash on hand	6,765	6,452	6,480	3,868	3,832	4,139	3,197
All other	9,618	15,395	14,110	11,385	12,247	16,805	15,080
<b>Liabilities</b>	<b>160,016</b>	<b>177,666</b>	<b>212,696</b>	<b>150,943</b>	<b>156,293</b>	<b>174,159</b>	<b>164,146</b>
Capital stock	16,900	20,548	13,334	11,171	10,803	9,895	9,447
Surplus fund	6,541	8,442	13,048	8,614	8,708	11,111	9,815
Undivided profits	3,161	4,038	3,458	1,473	1,694	1,770	1,710
Individual deposits <sup>4</sup>	124,094	134,097	169,449	120,519	126,236	131,763	123,224
Due to other banks <sup>5</sup>	2,267	1,585	2,392	1,670	1,243	1,486	1,129
Bills payable	1,722	5,535	5,870	2,976	2,451	10,946	12,096
All other	3,341	3,420	5,077	4,520	4,088	7,179	6,725
<b>STOCK SAVINGS BANKS</b>							
Number reporting	1,121	1,529	1,067	990	972	904	843
<b>Assets</b>	<b>829,423</b>	<b>1,238,673</b>	<b>1,506,413</b>	<b>1,923,384</b>	<b>2,093,123</b>	<b>2,196,427</b>	<b>1,815,888</b>
Loans and discounts <sup>1</sup>	567,246	851,819	978,483	1,302,566	1,365,257	1,410,174	1,144,972
Securities <sup>2</sup>	120,962	158,294	323,596	367,243	429,834	504,098	419,803
Due from other banks				107,641	123,867	118,657	130,824
Lawful reserve	80,091	124,849	70,783	27,254	32,137	34,441	7,408
Checks and other cash items <sup>3</sup>	3,438	3,280	4,836	13,679	15,419	15,790	16,234
Cash on hand	26,417	40,845	35,215	29,113	29,425	26,916	23,692
All other	31,268	59,586	93,500	75,898	97,186	80,349	72,605
<b>Liabilities</b>	<b>829,423</b>	<b>1,238,673</b>	<b>1,506,413</b>	<b>1,923,384</b>	<b>2,093,123</b>	<b>2,196,427</b>	<b>1,815,888</b>
Capital stock	68,321	92,963	69,183	86,387	83,758	85,153	69,144
Surplus fund	27,020	40,805	39,422	44,330	44,893	47,833	46,554
Undivided profits	13,732	26,753	13,247	19,043	21,487	20,217	18,030
Individual deposits <sup>4</sup>	707,522	1,046,097	1,351,242	1,746,609	1,918,230	2,021,614	1,661,893
Due to other banks <sup>5</sup>	9,415	12,694	988	1,783	1,654	9,461	11,787
Bills payable	2,064	2,851	24,029	15,123	8,732	3,375	2,270
All other	1,348	16,390	8,302	10,100	14,371	8,774	5,932

For footnotes see p. 266.

**No. 270.—ASSETS AND LIABILITIES OF BANKS OTHER THAN NATIONAL—CON.**  
 [All money figures in thousands of dollars]

Class of banks and item	1910	1911	1920	1924	1925	1926	1927
<b>MUTUAL SAVINGS BANKS</b>							
Number reporting.....	638	630	620	613	611	620	618
<b>Assets.....</b>	<b>3,632,449</b>	<b>4,319,388</b>	<b>5,619,017</b>	<b>7,364,656</b>	<b>7,913,089</b>	<b>8,422,307</b>	<b>9,011,185</b>
Loans and discounts <sup>1</sup> .....	1,727,171	2,170,039	2,501,480	3,775,746	4,183,071	4,623,594	5,064,506
Securities <sup>2</sup> .....	1,676,149	1,990,987	2,716,282	3,217,543	3,351,162	3,406,104	3,523,350
Due from other banks.....	134,236	183,397	183,527	208,647	201,797	211,258	224,741
Checks and other cash items <sup>3</sup> .....	1,959	936	1,191	1,272	1,113	1,763	1,303
Cash on hand.....	24,463	21,937	41,942	40,297	40,359	29,600	31,212
All other.....	88,470	73,208	84,595	121,251	135,537	149,968	165,984
<b>Liabilities.....</b>	<b>3,652,449</b>	<b>4,319,383</b>	<b>5,619,017</b>	<b>7,364,656</b>	<b>7,913,089</b>	<b>8,422,307</b>	<b>9,011,185</b>
Surplus fund.....	249,209	286,736	334,546	558,786	633,176	702,974	782,927
Undivided profits.....	40,083	70,292	87,975	99,854	116,523	128,875	137,332
Individual deposits <sup>4</sup> .....	3,960,564	3,950,688	5,186,952	6,693,246	7,146,951	7,577,504	8,077,090
Due to other banks <sup>5</sup> .....	41	498	136	149	4,852	119	162
Bills payable.....	165	621	395	249	618	345	568
All other.....	2,389	7,661	9,013	12,373	11,019	12,490	13,107

<sup>1</sup> Includes overdrafts.

<sup>2</sup> Includes premiums on bonds.

<sup>3</sup> Includes exchanges for clearing house.

<sup>4</sup> Includes dividends unpaid and postal savings deposits.

<sup>5</sup> Includes certified checks and cashiers' checks

<sup>6</sup> See headnote, Table 260.

Source: Comptroller of the Currency, Treasury Department.

**No. 271.—SAVINGS DEPOSITS AND SAVINGS DEPOSITORS IN BANKS AND TRUST COMPANIES: CONTINENTAL UNITED STATES, ON OR ABOUT JUNE 30**

[NOTE.—Data include time certificates of deposit and postal savings. The number of savings depositors in State banks and trust companies, including stock savings and private banks, is not shown, as data, especially for earlier years, are very incomplete. The number of savings depositors in this class of banks in 1927 was 22,627,896, excluding figures for 6 States and including for a number of others estimates or figures for a prior year. See Table 273]

Year	Savings deposits (thousands of dollars)				Number of savings depositors	
	All banks	Mutual savings banks	State banks and trust companies <sup>1</sup>	National banks	Mutual savings banks	National banks
1910.....	6,835,494	( <sup>2</sup> )	( <sup>2</sup> )	1,014,229	( <sup>1</sup> )	2,066,587
1911.....	7,963,109	3,458,061	3,024,036	1,480,112	7,690,973	2,341,071
1912.....	8,494,373	3,008,882	3,259,505	1,535,986	7,879,568	2,675,480
1913.....	8,548,346	3,811,713	3,367,820	1,368,813	8,034,453	2,905,355
1914.....	8,711,975	3,910,499	3,347,638	1,453,838	7,900,765	( <sup>3</sup> )
1915.....	8,607,426	3,944,568	3,541,366	1,321,486	7,642,971	( <sup>3</sup> )
1916.....	9,459,308	4,102,481	3,641,035	1,715,702	7,916,990	( <sup>3</sup> )
1917.....	10,875,602	4,339,044	4,365,892	2,172,668	8,651,009	( <sup>3</sup> )
1918.....	11,634,850	4,381,910	4,816,809	2,536,071	8,320,482	( <sup>3</sup> )
1919.....	13,040,393	4,731,739	5,532,347	2,776,307	9,040,388	6,763,483
1920.....	15,114,061	5,078,282	6,792,970	3,462,800	9,078,628	7,979,577
1921.....	16,500,663	5,568,340	7,365,112	3,677,211	9,662,041	8,109,242
1922.....	17,578,930	5,817,669	7,686,940	4,074,261	9,686,559	8,873,327
1923.....	18,726,534	6,273,171	8,767,098	4,686,337	10,045,264	9,890,446
1924.....	21,188,734	6,600,247	9,337,481	5,158,006	10,384,337	10,067,737
1925.....	23,134,052	7,152,258	10,471,528	5,810,266	10,639,228	11,864,621
1926.....	24,086,192	7,525,180	10,993,273	6,177,730	10,950,662	12,569,835
1927.....	26,090,907	8,339,784	10,962,826	7,088,297	11,189,278	14,336,910

<sup>1</sup> Includes stock savings and private banks

<sup>2</sup> Separate data not available. Combined data for other than national banks included in total.

<sup>3</sup> Not available

Source: American Bankers' Association.

# No. 272.—SAVINGS DEPOSITS AND SAVINGS DEPOSITORS IN BANKS AND TRUST COMPANIES: BY STATES, ON OR ABOUT JUNE 30

[NOTE.—See headnote, Table 271]

Division and State	Savings deposits (thousands of dollars)						Number of savings depositors, 1927
	1911 <sup>1</sup>	1916	1921	1925	1926	1927	
<b>Continental U. S.</b>	7,963,109	9,459,306	16,500,963	23,134,069	24,696,192	26,090,907	42,354,784
<b>New England</b>	1,681,333	2,001,156	2,781,370	3,760,191	4,004,963	4,291,506	7,270,143
Maine	133,465	161,597	229,237	265,667	284,380	297,992	619,697
New Hampshire	95,178	118,823	151,694	190,536	201,723	213,782	371,727
Vermont	79,664	110,081	137,325	173,410	182,272	193,182	320,051
Massachusetts	833,219	<sup>2</sup> 1,097,500	<sup>2</sup> 1,507,745	2,139,450	2,275,704	2,439,613	4,079,672
Rhode Island	144,073	154,766	219,100	299,202	321,845	351,332	390,139
Connecticut	295,634	356,391	516,469	681,926	739,036	795,605	1,456,857
<b>Middle Atlantic</b>	3,137,616	3,816,596	6,067,513	9,290,368	9,918,256	10,610,137	18,374,179
New York	2,010,504	2,029,363	3,549,065	5,546,128	5,918,682	6,474,741	8,707,762
New Jersey	256,112	338,764	672,058	1,040,045	1,127,334	1,237,520	2,577,875
Pennsylvania	712,473	740,665	1,502,841	2,187,474	2,336,513	2,518,497	6,240,199
District of Columbia	7,057	18,473	49,997	80,755	80,204	88,773	322,130
Delaware	13,908	20,333	37,690	50,081	53,634	56,948	113,189
Maryland	134,564	169,000	275,862	385,785	399,889	435,656	913,024
<b>Southern</b>	424,146	540,730	1,261,001	1,761,734	1,875,363	1,914,634	4,420,684
Virginia	63,792	69,706	167,816	216,791	229,383	243,831	677,837
West Virginia	53,566	67,964	132,074	150,632	154,822	163,746	448,329
North Carolina	29,551	38,661	104,277	142,282	148,902	156,737	642,220
South Carolina	29,726	39,621	95,376	112,016	108,694	92,139	<sup>3</sup> 200,826
Georgia	43,990	55,556	118,385	131,962	150,597	139,814	434,539
Florida	19,302	31,919	66,373	148,310	<sup>4</sup> 178,488	163,287	366,994
Alabama	19,478	24,211	59,107	93,135	102,408	105,650	<sup>5</sup> 301,616
Mississippi	<sup>6</sup> 16,997	21,832	53,044	82,176	92,660	97,439	<sup>6</sup> 130,957
Louisiana	36,278	41,134	100,391	123,299	132,963	129,399	<sup>6</sup> 401,568
Texas	24,848	42,479	106,413	164,305	164,924	185,845	321,539
Arkansas	11,545	11,963	34,644	65,235	70,311	73,123	150,011
Kentucky	39,723	46,660	110,564	176,413	179,677	<sup>7</sup> 191,669	<sup>7</sup> 394,628
Tennessee	35,350	49,124	110,538	155,178	165,512	<sup>8</sup> 171,953	<sup>8</sup> 169,920
<b>East Central</b>	2,001,198	2,423,771	4,211,965	5,507,931	5,976,330	6,060,969	12,136,137
Ohio	425,643	511,286	862,729	1,164,076	1,252,637	1,275,672	<sup>9</sup> 749,500
Indiana	142,935	106,083	200,836	259,499	<sup>4</sup> 388,716	404,509	<sup>10</sup> 338,039
Illinois	440,584	524,397	928,832	1,258,614	1,385,377	1,456,440	4,017,411
Michigan	270,206	361,833	617,272	939,047	1,028,545	1,093,895	2,573,892
Wisconsin	180,657	206,346	373,392	453,060	489,951	511,757	<sup>11</sup> 1,138,347
Minnesota	165,763	263,205	475,601	536,586	531,918	525,754	870,766
Iowa	246,218	284,056	478,454	524,859	515,221	486,357	<sup>11</sup> 1,546,963
Missouri	129,186	166,566	284,579	372,190	<sup>12</sup> 384,755	<sup>12</sup> 320,565	<sup>13</sup> 301,229
<b>West Central</b>	264,816	399,459	789,561	829,866	901,044	765,746	1,423,214
North Dakota	32,415	67,724	102,032	95,885	92,910	80,438	<sup>14</sup> 85,979
South Dakota	43,305	57,648	116,075	102,099	85,568	65,787	77,888
Nebraska	67,409	79,337	<sup>4</sup> 162,622	213,165	206,334	199,453	438,966
Kansas	43,541	60,349	110,090	131,213	126,263	122,431	<sup>6</sup> 363,268
Montana	20,006	39,904	<sup>15</sup> 78,144	55,757	58,933	63,041	<sup>16</sup> 109,677
Wyoming	8,071	10,532	20,974	20,907	21,622	<sup>17</sup> 22,108	<sup>17</sup> 36,607
Colorado	49,159	59,902	102,967	116,264	107,014	106,942	<sup>14</sup> 166,628
New Mexico	5,728	7,987	14,004	7,291	7,485	8,466	18,920
Oklahoma	15,182	16,069	82,644	87,284	92,916	95,054	125,252
<b>Pacific</b>	534,196	777,599	1,359,323	1,994,063	2,123,127	2,227,691	4,220,227
Washington	69,065	87,489	141,352	181,293	192,423	199,897	475,464
Oregon	27,885	39,149	78,763	105,862	113,776	115,747	290,340
California	<sup>18</sup> 408,021	<sup>18</sup> 597,623	1,060,513	1,576,058	1,679,146	1,768,135	3,070,118
Idaho	9,097	11,839	24,478	25,794	27,793	29,739	<sup>14</sup> 34,983
Utah	21,398	33,709	49,903	61,161	64,395	66,816	271,949
Nevada	4,824	2,723	13,316	17,458	19,365	20,250	<sup>19</sup> 23,125
Arizona	3,816	4,607	20,968	26,437	28,229	27,337	54,268

<sup>1</sup> Data as of June 7. Savings deposits include demand certificates of deposit for national banks.<sup>2</sup> Data for mutual savings banks as of Oct. 31, 1916 and 1921.<sup>3</sup> Includes 1926 data for all except national banks.<sup>4</sup> Includes demand certificates of deposit for banks other than national.<sup>5</sup> Includes commercial deposits in State banks.<sup>6</sup> Includes 1925 data for all except national banks.<sup>7</sup> Includes 1924 data for State banks.<sup>8</sup> Includes 1923 data for State banks and trust companies.<sup>9</sup> Data as of May 18. Number of depositors is for national banks only.<sup>10</sup> National and mutual savings banks only, data included for the latter being 1925 figures for Ohio and 1926 for Indiana.<sup>11</sup> National banks and stock savings banks, data included for the latter being estimated 1925 figures.<sup>12</sup> Data as of Apr. 30 in 1926 and Apr. 12 in 1927. Number of depositors is for national banks only.<sup>13</sup> Data as of November, 1920, for State banks.<sup>14</sup> Number of savings depositors in national banks only.

Source: American Bankers Association.

# No. 273.—SAVINGS DEPOSITS AND SAVINGS DEPOSITORS IN EACH CLASS OF BANKS: BY STATES, JUNE 30, 1927

[NOTE.—Amount of deposits in thousands of dollars. For totals for all banks, see Table 272. See also head-note, Table 271]

Division and State	Mutual savings banks <sup>1</sup>		State banks and trust companies <sup>2</sup>		National banks	
	Number of depositors	Amount of deposits	Number of depositors	Amount of deposits	Number of depositors	Amount of deposits
<b>Continental United States..</b>	<b>11, 189, 978</b>	<b>8, 039, 784</b>	<b>22, 827, 896</b>	<b>10, 962, 826</b>	<b>14, 336, 910</b>	<b>7, 068, 297</b>
<b>New England.....</b>	<b>4, 562, 263</b>	<b>2, 888, 647</b>	<b>1, 493, 006</b>	<b>765, 872</b>	<b>1, 194, 252</b>	<b>636, 987</b>
Maine.....	229, 536	110, 541	232, 319	95, 198	187, 842	92, 253
New Hampshire.....	248, 551	156, 273	79, 401	38, 568	43, 775	18, 941
Vermont.....	126, 892	92, 082	119, 374	64, 646	73, 785	36, 454
Massachusetts.....	2, 910, 872	1, 808, 760	467, 797	245, 554	701, 003	385, 299
Rhode Island.....	194, 147	153, 522	181, 179	182, 909	14, 813	14, 901
Connecticut.....	872, 285	567, 469	413, 538	138, 997	173, 034	89, 139
<b>Middle Atlantic.....</b>	<b>6, 172, 957</b>	<b>4, 843, 068</b>	<b>7, 745, 269</b>	<b>3, 312, 063</b>	<b>4, 955, 953</b>	<b>2, 655, 006</b>
New York.....	4, 777, 761	4, 036, 074	2, 166, 114	1, 040, 887	1, 763, 887	1, 033, 780
New Jersey.....	423, 305	241, 789	1, 258, 229	584, 475	896, 341	411, 256
Pennsylvania.....	609, 120	371, 168	3, 594, 126	1, 084, 704	2, 036, 953	1, 060, 625
District of Columbia.....			231, 599	47, 789	90, 531	40, 984
Delaware.....	46, 921	23, 404	54, 635	24, 945	11, 633	8, 599
Maryland.....	315, 850	170, 633	440, 566	165, 263	156, 608	99, 762
<b>Southern States.....</b>			<b>2, 409, 307</b>	<b>948, 246</b>	<b>2, 021, 577</b>	<b>966, 388</b>
Virginia.....			239, 281	94, 227	338, 556	149, 604
West Virginia.....			271, 618	89, 758	176, 711	73, 990
North Carolina.....			400, 000	98, 340	142, 220	58, 397
South Carolina.....			113, 832	41, 650	86, 994	50, 489
Georgia.....			192, 400	58, 537	242, 139	81, 277
Florida.....			187, 079	79, 105	169, 915	84, 182
Alabama.....			154, 842	44, 989	146, 774	60, 661
Mississippi.....			81, 082	65, 698	49, 875	31, 741
Louisiana.....			365, 690	109, 244	35, 878	20, 155
Texas.....			68, 589	38, 629	252, 950	147, 216
Arkansas.....			103, 520	42, 069	46, 491	31, 054
Kentucky.....			231, 374	101, 346	163, 154	90, 323
Tennessee <sup>7</sup> .....			( <sup>8</sup> )	84, 654	169, 920	87, 299
<b>East Central States.....</b>	<b>284, 520</b>	<b>182, 327</b>	<b>8, 104, 842</b>	<b>4, 295, 531</b>	<b>3, 746, 775</b>	<b>1, 603, 111</b>
Ohio.....	97, 838	88, 700	( <sup>8</sup> )	927, 513	651, 662	259, 459
Indiana.....	33, 374	21, 928	( <sup>8</sup> )	251, 485	304, 665	131, 096
Illinois.....			3, 753, 508	1, 090, 900	863, 903	365, 540
Michigan.....			2, 113, 189	884, 509	460, 703	209, 386
Wisconsin.....	15, 692	6, 920	642, 140	329, 825	480, 515	175, 012
Minnesota.....	137, 616	64, 779	269, 005	232, 398	464, 145	228, 577
Iowa.....			1, 327, 000	363, 767	219, 953	122, 590
Missouri.....			( <sup>8</sup> )	215, 134	301, 229	111, 451
<b>West Central States.....</b>			<b>707, 170</b>	<b>386, 207</b>	<b>716, 044</b>	<b>379, 533</b>
North Dakota.....			25, 298	39, 727	60, 681	40, 711
South Dakota.....			39, 529	40, 208	38, 359	25, 579
Nebraska.....			281, 251	150, 461	157, 744	48, 992
Kansas.....			259, 834	69, 293	103, 434	53, 138
Montana.....			65, 698	30, 572	43, 979	32, 469
Wyoming.....			14, 134	8, 563	22, 473	13, 545
Colorado.....			( <sup>8</sup> )	26, 017	166, 628	82, 925
New Mexico.....			6, 725	2, 968	12, 195	5, 518
Oklahoma.....			14, 701	18, 398	110, 551	76, 656
<b>Pacific.....</b>	<b>150, 218</b>	<b>125, 742</b>	<b>2, 367, 700</b>	<b>1, 254, 907</b>	<b>1, 702, 309</b>	<b>847, 272</b>
Washington.....	78, 173	48, 210	161, 375	52, 342	235, 916	99, 345
Oregon.....			120, 616	37, 062	169, 724	78, 685
California.....	72, 045	77, 532	1, 795, 998	1, 065, 474	1, 202, 075	625, 129
Idaho.....			( <sup>8</sup> )	12, 231	34, 983	17, 508
Utah.....			234, 773	54, 088	37, 176	12, 728
Nevada.....			15, 632	13, 074	7, 493	7, 176
Arizona.....			39, 306	20, 636	14, 942	6, 701

<sup>1</sup> No mutual savings banks in States for which no figures are shown.

<sup>2</sup> Includes stock savings and private banks.

<sup>3</sup> Estimated.

<sup>4</sup> Data for 1926.

<sup>5</sup> Data for 1925.

<sup>6</sup> Data for 1923.

<sup>7</sup> Data as of May 18 for Tennessee and Apr. 12 for Missouri.

<sup>8</sup> Not available.

<sup>9</sup> Estimated data for 1925 for stock savings banks only.

Source: American Bankers' Association.

No. 274.—SUMMARY OF POSTAL SAVINGS BUSINESS, 1911 TO 1927

[NOTE.—In addition to main offices there were 776 branches and stations in operation on June 30, 1927. Data include Alaska, Hawaii, and Porto Rico]

Year ended June 30—	Offices in operation at close of period	Deposits made during year	Withdrawals made during year	Balance to credit of depositors at close of period	Number of depositors at close of period	Savings stamps			Balance on deposit in banks at close of period
						Sold during year	Re-deemed during year	Out-standing at close of period	
		Dollars	Dollars	Dollars		Dollars	Dollars	Dollars	Dollars
1911.....	400	778,129	100,984	677,145	11,918	4,826	2,938	1,888	571,671
1912.....	9,907	30,732,357	11,172,418	20,237,084	243,801	166,479	134,346	34,021	18,586,042
1913.....	12,158	41,701,383	28,119,597	33,818,870	331,006	161,291	154,784	40,328	31,512,337
1914.....	9,639	47,815,249	38,189,848	43,444,271	398,511	150,390	141,904	49,014	40,019,672
1915.....	8,832	70,314,858	48,074,421	65,684,708	525,414	157,424	150,232	56,206	60,086,319
1916.....	7,701	76,775,888	56,440,691	86,019,885	602,937	181,173	168,833	68,546	80,775,586
1917.....	6,423	132,112,217	86,177,406	131,954,696	674,728	171,492	168,600	71,338	126,840,820
1918.....	5,926	116,893,259	100,376,456	148,471,499	612,188	117,864	130,133	59,068	140,638,608
1919.....	5,716	136,690,122	117,838,361	167,323,260	565,509	67,796	70,767	58,097	135,942,981
1920.....	5,683	139,206,954	149,255,892	157,276,322	508,508	72,066	69,043	59,120	126,426,019
1921.....	5,554	133,574,840	138,461,259	152,389,603	466,109	60,024	62,923	56,221	48,668,108
1922.....	6,020	96,507,746	111,161,210	137,736,439	420,242	73,672	68,188	61,704	44,160,417
1923.....	6,047	88,008,190	94,073,299	131,671,300	417,902	78,197	78,671	63,230	61,844,062
1924.....	5,965	94,932,846	93,790,011	132,814,135	412,584	68,608	68,945	62,891	98,360,974
1925.....	5,896	89,707,991	90,348,915	132,173,211	402,325	51,888	53,647	61,232	97,896,486
1926.....	5,853	90,751,051	88,745,704	134,178,558	399,305	44,050	46,654	58,628	101,175,541
1927.....	5,896	103,606,868	90,426,172	147,359,254	411,394	37,563	37,790	58,400	114,597,400

Source: Report of the Postmaster General on the Postal Savings System.

No. 275.—POSTAL SAVINGS DEPOSITS AND DEPOSITORS, BY STATES

State or Territory	Number of depositors, June 30, 1927	Balance to credit of depositors, June 30—		State or Territory	Number of depositors, June 30, 1927	Balance to credit of depositors, June 30—	
		1926	1927			1926	1927
		Dollars	Dollars			Dollars	Dollars
United States <sup>1</sup> .....	411,394	134,178,558	147,359,254	Montana.....	10,271	4,938,807	5,540,944
Alabama.....	3,837	360,753	363,195	Nebraska.....	1,106	342,946	422,413
Alaska.....	832	665,528	678,739	Nevada.....	967	309,499	343,235
Arizona.....	3,358	1,109,282	1,210,653	New Hampshire.....	1,305	374,511	371,180
Arkansas.....	865	222,147	385,895	New Jersey.....	14,715	3,121,230	2,775,937
California.....	9,139	2,686,893	2,927,786	New Mexico.....	2,900	1,179,544	1,340,875
Colorado.....	8,216	3,276,507	3,678,951	New York.....	136,416	44,539,453	26,077,850
Connecticut.....	4,998	1,565,768	1,422,918	North Carolina.....	648	103,954	216,200
Delaware.....	589	128,473	112,891	North Dakota.....	1,926	682,969	1,067,638
Dist. of Columbia.....	1,717	365,013	368,569	Ohio.....	7,890	2,745,445	2,963,507
Florida.....	15,116	2,185,033	4,304,816	Oklahoma.....	7,445	2,570,464	3,851,186
Georgia.....	3,520	500,936	990,407	Oregon.....	6,422	2,113,252	2,607,882
Hawaii.....	141	21,683	23,595	Pennsylvania.....	31,961	10,573,832	10,207,493
Idaho.....	6,247	2,183,716	2,538,111	Porto Rico.....	1,834	168,453	159,688
Illinois.....	15,262	6,985,801	7,023,067	Rhode Island.....	2,640	645,247	567,260
Indiana.....	2,145	755,470	885,473	South Carolina.....	2,444	354,477	1,028,135
Iowa.....	11,156	2,976,716	7,010,271	South Dakota.....	6,072	1,595,470	3,321,471
Kansas.....	4,646	1,353,436	2,444,510	Tennessee.....	1,067	276,853	424,897
Kentucky.....	1,041	240,752	261,009	Texas.....	7,154	1,607,636	2,796,445
Louisiana.....	1,136	296,983	394,211	Utah.....	1,090	595,499	616,223
Maine.....	572	145,755	135,412	Vermont.....	225	68,388	62,561
Maryland.....	681	169,563	178,044	Virginia.....	1,202	241,539	242,854
Massachusetts.....	17,789	7,495,621	6,894,905	Virgin Islands.....	66	9,310	11,792
Michigan.....	5,639	2,158,463	2,168,637	Washington.....	14,962	6,492,913	6,773,291
Minnesota.....	12,144	3,784,501	5,944,158	West Virginia.....	728	365,797	467,940
Mississippi.....	441	76,568	97,550	Wisconsin.....	2,712	1,110,224	1,182,933
Missouri.....	10,682	3,638,862	4,605,486	Wyoming.....	3,266	1,669,651	1,858,175

<sup>1</sup> Including Alaska, Hawaii, and Porto Rico.

Source: Report of the Postmaster General on the Postal Savings System.

## No. 276.—BUILDING AND LOAN ASSOCIATIONS: NUMBER, MEMBERSHIP, AND ASSETS

[NOTE.—Data for some States are compiled by fiscal years]

Calendar year (see note)	Asso- cia- tions	Members	Assets (1,000 dollars)	Calendar year (see note)	Asso- cia- tions	Members	Assets (1,000 dollars)
1895	5,973	1,545,129	624,700	1915	8,808	3,334,899	1,484,206
1900	5,490	1,495,136	614,119	1916	7,072	3,568,482	1,598,628
1905	5,326	1,686,811	646,745	1917	7,269	3,838,612	1,769,142
1906	5,351	1,743,988	689,480	1918	7,484	4,011,401	1,898,344
1907	5,459	1,870,967	745,993	1919	7,788	4,289,326	2,126,620
1908	5,629	1,939,479	796,999	1920	8,624	5,026,781	2,534,320
1909	5,737	2,029,927	860,783	1921	9,255	5,808,888	2,890,705
1910	5,937	2,216,912	945,560	1922	10,099	6,364,144	3,342,531
1911	6,113	2,355,068	1,040,308	1923	10,744	7,202,890	3,942,940
1912	6,273	2,518,936	1,137,601	1924	11,644	8,554,352	4,765,937
1913	6,429	2,836,433	1,248,479	1925	12,403	9,886,997	5,509,176
1914	6,616	3,103,635	1,357,708	1926	12,626	10,665,705	6,334,104

State	Associations			Members			Assets (thousands of dollars)		
	1916	1925	1926	1916	1925	1926	1916	1925	1926
Alabama <sup>1,2</sup>			20			20,000			15,000
Arizona <sup>3</sup>		6	6		5,530	3,925		2,372	1,682
Arkansas	41	63	71	22,860	46,286	53,064	10,174	27,551	32,030
California	90	152	176	42,250	156,388	223,446	32,794	140,658	190,107
Colorado	44	56	64	10,200	72,183	85,144	8,689	30,459	35,180
Connecticut	23	37	38	13,964	35,574	35,896	4,250	16,198	18,291
Delaware <sup>4</sup>		40	41		14,500	16,250		7,412	8,844
District of Columbia	18	23	22	38,008	57,239	59,299	22,145	46,020	50,729
Florida <sup>3</sup>		47	73		25,365	27,000		33,617	39,358
Idaho			12			4,250			2,335
Illinois	649	852	881	230,667	783,888	840,000	105,478	317,404	355,500
Indiana	359	397	399	192,376	349,879	382,123	72,294	218,480	247,904
Iowa	50	74	74	83,035	71,800	71,800	9,639	37,381	40,772
Kansas	71	148	153	61,027	172,272	189,393	23,554	93,268	107,315
Kentucky	118	145	147	61,915	125,200	133,400	25,513	64,193	74,704
Louisiana	69	94	100	53,030	162,148	165,332	24,549	129,924	154,197
Maine	38	39	38	14,584	25,787	26,171	6,437	16,631	17,458
Maryland <sup>1,4</sup>			1,210			330,000			200,000
Massachusetts	183	220	220	236,760	439,553	466,492	113,306	369,273	425,511
Michigan	70	90	83	63,733	177,883	192,079	31,379	96,302	112,888
Minnesota	66	83	83	20,630	66,429	69,618	8,353	25,213	28,643
Mississippi			35			18,000			1,018
Missouri	157	242	243	80,404	182,550	215,000	23,544	117,008	139,462
Montana	16	30	31	2,737	36,900	37,500	1,640	13,100	13,739
Nebraska	72	84	63	94,927	202,100	218,807	47,918	141,436	153,128
New Hampshire	20	28	28	7,689	14,773	15,115	3,013	8,145	9,224
New Jersey	756	1,410	1,473	298,913	1,008,092	1,084,381	155,127	645,549	780,068
New Mexico	13	12	18	3,720	4,300	4,500	1,542	2,950	3,250
New York	254	306	309	200,314	447,721	504,008	79,639	258,090	297,707
North Carolina	148	246	240	42,400	92,007	90,590	15,905	81,189	85,715
North Dakota	10	17	18	5,600	13,060	15,300	2,747	6,966	7,788
Ohio	658	965	841	664,862	2,098,738	2,147,275	279,553	847,571	925,382
Oklahoma	37	38	96	13,200	146,210	167,410	4,200	93,062	103,343
Oregon <sup>3</sup>		37	42		34,300	38,300		14,871	18,290
Pennsylvania	1,969	4,440	4,460	625,903	1,700,000	1,800,000	298,827	990,000	1,130,000
Rhode Island	7	7	7	10,114	29,248	31,819	5,361	17,075	19,539
South Carolina <sup>3</sup>		150	152		25,000	26,800		20,000	21,782
South Dakota	13	27	26	8,880	7,950	7,015	3,514	4,951	5,000
Tennessee	14	21	24	5,348	8,775	11,275	3,321	5,212	6,716
Texas	27	119	138	5,875	63,562	124,951	1,942	51,972	70,805
Utah <sup>3</sup>		24	24		51,000	90,284		25,439	30,864
Vermont	4	9	9	493	3,533	3,805	256	1,798	2,237
Virginia			79			51,500			44,557
Washington	34	71	72	43,000	217,446	249,338	12,078	79,146	89,001
West Virginia	47	59	60	20,500	54,500	54,500	7,750	25,000	24,704
Wisconsin	77	167	171	45,891	206,939	229,165	16,874	149,648	162,382
Wyoming <sup>1,3</sup>			20			14,000			8,000
Other States <sup>3</sup>	840	1,379	72	322,624	433,600	5,900	146,343	239,625	1,960

<sup>1</sup> Total membership of local associations only, does not include national associations, membership of which declined to 44,484 in 1905, now extinct.<sup>2</sup> Included in "Other States" for years for which no figures are shown.<sup>3</sup> Estimated<sup>4</sup> Including depositors.

Source: United States League of Building and Loan Associations.



**No. 277.—CERTAIN MAJOR ITEMS OF SAVINGS OF THE UNITED STATES**

[NOTE.—In millions of dollars. Increase in savings deposits is for fiscal years ended June 30; increase in assets of building and loan associations includes figures for calendar years for some States and fiscal years for others; other data are for calendar years. These various types of savings should not be added to a total, as there is much duplication between them. For example, savings banks and life-insurance companies both invest their assets in the securities of corporations. On the other hand, many forms of savings are not listed]

Year	Increase in savings deposits, all banks <sup>1</sup>	Increase in assets of building and loan associations	Premiums paid to life-insurance companies, less operating expenses			Additions to surpluses of corporations <sup>2</sup>	New capital issues
			Total	Ordinary life <sup>3</sup>	Industrial life		
1913.....	144	111	524	374	150		
1918.....	659	129	706	502	203		
1919.....	1,506	228	840	566	274		3,588
1920.....	2,274	408	931	610	321		3,635
1921.....	1,187	356	1,088	719	369		3,577
1922.....	1,078	452	1,198	779	419	1,747	4,304
1923.....	2,148	600	1,322	833	489	2,528	4,304
1924.....	1,462	823	1,514	947	567	1,575	5,593
1925.....	1,945	743	1,694	1,046	647	2,957	6,220
1926.....	1,562	825	1,873	1,145	729		6,344
1927.....	1,395						7,735

<sup>1</sup> Includes postal savings funds deposited in banks.

<sup>2</sup> Net profit less cash dividends and income and profits tax as shown on income tax returns.

<sup>3</sup> Includes "Group."

Sources: See sources of Tables 196, 271, 276, 308, and 320.

**No. 278.—FEDERAL LAND BANKS: CONSOLIDATED STATEMENT AS OF DECEMBER 31, 1922 TO 1927**

[All figures in thousands of dollars]

	1922	1923	1924	1925	1926	1927
<b>Assets.....</b>	<b>697,358</b>	<b>876,232</b>	<b>992,017</b>	<b>1,070,750</b>	<b>1,155,112</b>	<b>1,243,947</b>
Net mortgage loans.....	639,486	799,597	927,568	1,005,685	1,070,819	1,155,644
Accrued interest on mortgage loans <sup>1</sup> .....	10,437	13,037	14,892	16,120	16,875	17,858
United States Government bonds and securities.....	35,952	43,843	28,550	23,330	24,497	29,411
Accrued interest on bonds and securities <sup>1</sup> .....	441	429	314	150	286	252
Other accrued interest <sup>1</sup> .....	45	57	( <sup>2</sup> )	15	14	12
Cash on hand and in banks.....	5,845	10,898	12,184	12,574	15,832	19,884
Notes receivable, acceptances, etc.....	377	272	1,263	2,674	4,167	6,194
Accounts receivable.....	212	2,827	837	1,772	1,991	2,632
Installments matured (in process of collection).....	1,345	1,480	1,774	1,468	2,250	2,513
Banking houses.....	649	1,544	1,893	2,061	2,562	2,479
Furniture and fixtures.....	184	229	263	260	255	242
Other assets.....	757	2,020	2,481	4,641	5,564	6,826
<b>Liabilities.....</b>	<b>697,358</b>	<b>876,232</b>	<b>992,017</b>	<b>1,070,750</b>	<b>1,115,112</b>	<b>1,243,947</b>
Capital stock.....	36,998	43,597	49,582	53,770	57,752	62,122
United States Government.....	4,265	2,434	1,671	1,332	1,059	711
National farm loan associations.....	32,602	40,926	47,524	51,930	56,073	60,704
Borrowers, through agents.....	127	235	385	508	620	707
Individual subscribers.....	4	2	2	( <sup>2</sup> )	( <sup>2</sup> )	
Reserve (legal).....	3,001	4,648	6,564	8,309	9,204	11,020
Surplus (from earnings).....	100	300	106	100	52	804
Undivided profits.....	3,617	3,295	3,868	4,356	4,180	3,953
Farm-loan bonds outstanding.....	641,091	806,669	914,763	982,192	1,059,217	1,139,617
Accrued interest on farm-loan bonds <sup>1</sup> .....	5,002	9,211	10,809	11,976	15,025	16,009
United States Government deposits.....	500	500				
Notes and accounts payable.....	2,200	2,774	86	3,552	2,332	1,055
Due borrowers on uncompleted loans.....	425	671	515	601	682	715
Amortization installments paid in advance.....	956	1,421	1,847	2,135	2,074	2,358
Farm-loan-bond coupons outstanding.....	776	1,600	2,215	1,977	2,148	2,188
Dividends declared but not paid.....	480	734	950	1,761	2,062	1,674
Other liabilities.....	583	812	714	20	372	2,432

<sup>1</sup> Not matured.

<sup>2</sup> Less than \$500.

Source: Federal Farm Loan Board.

**No. 279.—FEDERAL LAND BANKS: BUSINESS TRANSACTED FROM ORGANIZATION, AUGUST 7, 1916, TO DECEMBER 31, 1927**

[Amounts in thousands of dollars]

District and State	Number of loans	Amount applied for by borrowers	Amount loaned by banks	Land mortgaged (acres)	Appraised valuations		
					Total	Land	Buildings
<b>Total</b>	<b>448,958</b>	<b>1,588,308</b>	<b>1,965,061</b>	<b>80,389,680</b>	<b>3,783,649</b>	<b>2,953,764</b>	<b>799,885</b>
<b>Springfield</b>	<b>18,267</b>	<b>70,653</b>	<b>28,460</b>	<b>3,251,638</b>	<b>190,138</b>	<b>102,718</b>	<b>87,419</b>
Maine	3,102	10,555	8,363	404,545	27,776	16,730	11,046
New Hampshire	642	1,732	1,436	86,702	4,969	2,526	2,443
Vermont	1,535	5,581	4,621	276,906	14,830	8,362	6,468
Massachusetts	1,764	6,271	5,135	184,903	16,393	8,658	7,735
Rhode Island	157	509	523	13,906	1,722	937	785
Connecticut	1,322	8,322	5,132	189,804	15,839	8,294	7,545
New York	8,111	22,273	27,504	1,020,981	90,876	47,039	43,838
New Jersey	1,434	6,720	5,667	124,883	17,927	10,153	7,774
<b>Baltimore</b>	<b>30,106</b>	<b>93,468</b>	<b>79,930</b>	<b>3,631,318</b>	<b>223,560</b>	<b>161,237</b>	<b>62,322</b>
Pennsylvania	6,954	21,830	18,768	758,000	54,864	33,584	21,280
Virginia	13,327	41,706	35,288	1,931,672	99,256	72,300	26,956
West Virginia	4,567	10,384	8,936	616,192	25,243	19,039	6,204
Maryland	1,191	5,563	4,940	180,808	13,507	9,425	4,172
Delaware	145	584	481	16,126	1,310	865	444
Porto Rico	3,924	13,392	11,517	317,550	29,278	26,014	3,264
<b>Columbia</b>	<b>36,558</b>	<b>106,316</b>	<b>61,103</b>	<b>3,289,934</b>	<b>229,128</b>	<b>170,968</b>	<b>58,160</b>
North Carolina	12,428	28,423	23,433	1,314,670	66,401	49,078	17,323
South Carolina	7,560	25,374	20,980	1,202,729	58,279	44,280	13,999
Georgia	12,075	41,341	28,171	2,151,325	74,780	59,217	15,563
Florida	4,490	10,978	8,513	614,209	22,707	18,396	4,311
<b>Louisville</b>	<b>42,584</b>	<b>169,199</b>	<b>135,839</b>	<b>4,763,564</b>	<b>359,369</b>	<b>285,455</b>	<b>73,913</b>
Tennessee	11,845	33,605	28,736	1,433,797	75,771	61,292	14,479
Kentucky	9,952	34,904	30,540	1,231,068	81,972	63,814	18,157
Indiana	18,796	53,110	49,137	1,396,793	127,933	104,961	22,972
Ohio	6,992	30,490	27,626	691,926	72,713	55,896	17,315
<b>New Orleans</b>	<b>68,547</b>	<b>157,646</b>	<b>130,627</b>	<b>10,619,604</b>	<b>367,796</b>	<b>275,568</b>	<b>92,228</b>
Alabama	24,831	54,031	44,091	3,760,749	122,580	92,373	30,208
Louisiana	14,364	40,773	34,564	2,220,642	96,799	74,507	22,292
Mississippi	27,322	63,042	51,971	4,637,193	148,419	111,488	36,931
<b>St. Louis</b>	<b>33,148</b>	<b>150,790</b>	<b>107,059</b>	<b>4,387,451</b>	<b>275,008</b>	<b>234,372</b>	<b>40,636</b>
Illinois	7,973	48,246	43,289	865,957	115,746	98,343	17,404
Missouri	10,665	38,713	35,165	1,462,818	88,426	74,182	14,244
Arkansas	16,564	33,831	28,587	2,058,676	70,830	61,848	8,982
<b>St. Paul</b>	<b>41,676</b>	<b>170,036</b>	<b>154,581</b>	<b>8,361,984</b>	<b>438,840</b>	<b>310,932</b>	<b>127,908</b>
Minnesota	11,091	52,245	48,635	1,477,387	134,324	99,343	35,181
Wisconsin	8,917	38,673	34,279	993,570	97,322	66,006	31,315
Michigan	10,780	31,018	28,302	1,068,713	85,098	53,549	31,549
North Dakota	11,090	48,099	43,364	2,832,294	121,896	91,992	29,903
<b>Omaha</b>	<b>30,251</b>	<b>166,226</b>	<b>175,666</b>	<b>8,238,267</b>	<b>515,979</b>	<b>451,631</b>	<b>64,348</b>
Iowa	10,298	85,067	80,036	1,184,761	209,573	179,747	29,826
Nebraska	10,164	61,199	53,225	4,009,578	191,974	173,522	18,451
South Dakota	7,145	36,341	34,297	1,761,923	91,922	79,069	12,853
Wyoming	2,644	10,654	8,109	1,282,965	22,511	19,293	3,218
<b>Wichita</b>	<b>33,346</b>	<b>122,605</b>	<b>109,755</b>	<b>10,414,467</b>	<b>287,185</b>	<b>237,376</b>	<b>49,809</b>
Kansas	10,105	45,722	40,452	2,589,101	108,810	90,508	18,302
Oklahoma	8,135	26,111	22,633	1,539,585	60,539	50,618	9,921
Colorado	9,574	35,194	28,839	2,413,043	83,559	69,309	15,250
New Mexico	5,555	15,568	11,831	2,872,768	34,277	27,842	6,435
<b>Houston</b>	<b>59,620</b>	<b>190,237</b>	<b>159,301</b>	<b>14,984,553</b>	<b>419,314</b>	<b>348,920</b>	<b>70,393</b>
Texas	59,620	190,237	159,301	14,984,553	419,314	348,920	70,393
<b>Berkeley</b>	<b>16,389</b>	<b>70,626</b>	<b>61,616</b>	<b>1,637,179</b>	<b>160,660</b>	<b>136,535</b>	<b>24,125</b>
California	8,950	39,987	35,311	1,062,168	94,922	78,021	16,901
Utah	5,473	30,476	17,220	555,893	41,198	36,264	4,934
Nevada	365	2,659	2,392	130,921	6,064	5,142	921
Arizona	1,611	7,494	6,692	188,220	16,456	15,066	2,500
<b>Spokane</b>	<b>38,980</b>	<b>127,904</b>	<b>117,104</b>	<b>7,486,734</b>	<b>331,863</b>	<b>266,549</b>	<b>65,314</b>
Idaho	7,936	32,281	28,020	1,102,022	75,387	63,464	11,924
Montana	8,965	32,702	29,634	3,512,707	76,424	62,339	14,084
Oregon	7,471	30,570	24,550	1,440,241	66,714	55,369	11,345
Washington	14,968	42,351	37,882	1,431,764	113,138	85,346	27,790

Source: Federal Farm Loan Board.

**No. 280.—FEDERAL LAND BANKS: PURPOSES OF LOANS GRANTED FROM ORGANIZATION, AUGUST 7, 1916, TO DECEMBER 31, 1927, BY DISTRICTS**

[NOTE.—Amounts in thousands of dollars. For total amount of loans by districts see Table 279]

District	Purchase of land		Buildings and improvements		Equipment, fertilizer, and livestock		National Farm Loan Association stock		To pay mortgages		To pay other debts	
	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
<b>Total</b> .....	123,754	10	69,070	5	39,315	3	65,342	5	900,130	66	154,548	11
Springfield.....	9,275	15	2,858	5	1,336	2	2,920	5	39,159	67	2,854	5
Baltimore.....	6,713	8	4,578	6	2,649	3	3,904	5	56,858	72	5,138	6
Columbia.....	4,409	5	5,631	7	1,618	2	4,055	5	61,615	76	3,775	5
Louisville.....	19,541	14	6,891	5	3,196	2	6,800	5	80,178	60	19,333	14
New Orleans.....	7,099	5	11,674	9	4,708	4	6,530	5	88,652	68	14,764	9
St. Louis.....	10,336	10	4,680	4	2,154	2	5,351	5	76,740	72	7,778	7
St. Paul.....	10,466	7	7,518	5	1,956	1	7,728	5	107,413	69	19,500	13
Omaha.....	23,498	13	3,940	2	4,444	3	8,782	5	107,445	61	27,558	16
Wichita.....	11,365	11	3,954	4	5,077	5	5,188	5	60,491	58	17,680	17
Houston.....	19,178	12	6,004	4	4,861	3	7,963	5	105,967	66	15,328	10
Berkeley.....	3,688	6	4,342	7	2,517	4	3,077	5	40,510	66	7,482	12
Spokane.....	8,245	7	6,801	6	4,801	4	5,855	5	75,163	64	16,290	14

**No. 281.—NATIONAL FARM LOAN ASSOCIATIONS: LOANS MADE FROM ORGANIZATION TO DECEMBER 31, 1927, BY STATES**

[NOTE.—4,957 associations were chartered to Dec. 31, 1927, 288 of which were canceled]

District and State	Number of associations operating	Number of loans made	Total amount loaned <sup>1</sup> (1,000 dollars)	Average loan made (dollars)	District and State	Number of associations operating	Number of loans made	Total amount loaned <sup>1</sup> (1,000 dollars)	Average loan made (dollars)
<b>Total</b> .....	4,957	459,098	1,441,959	3,100	<b>District No. 6:</b>				
<b>District No. 1:</b>					Illinois.....	144	8,074	43,313	5,612
Maine.....	20	3,142	8,567	2,726	Missouri.....	162	10,734	36,313	3,383
New Hampshire.....	8	649	1,468	2,262	Arkansas.....	118	16,766	29,822	1,779
Vermont.....	13	1,559	4,681	3,003	<b>District No. 7:</b>				
Massachusetts.....	14	1,785	5,240	2,935	North Dakota.....	196	11,872	45,267	3,989
Rhode Island.....	2	153	509	3,325	Minnesota.....	180	11,494	53,088	4,623
Connecticut.....	15	1,535	5,240	3,413	Wisconsin.....	138	9,026	36,179	4,009
New York.....	50	8,238	28,041	3,404	Michigan.....	134	11,033	29,556	2,679
New Jersey.....	19	1,465	5,798	3,958	<b>District No. 8:</b>				
<b>District No. 2:</b>					Iowa.....	154	10,794	88,022	8,155
Virginia.....	87	12,957	34,654	2,675	Nebraska.....	145	10,485	58,015	5,523
Maryland.....	20	1,203	4,845	4,027	South Dakota.....	99	7,278	37,109	5,099
Delaware.....	3	141	459	3,255	Wyoming.....	37	2,893	8,635	3,206
Pennsylvania.....	55	6,714	17,943	2,673	<b>District No. 9:</b>				
West Virginia.....	36	4,363	8,645	1,981	Kansas.....	152	11,092	46,654	4,206
Porto Rico.....		3,972	11,693	2,944	Oklahoma.....	122	9,125	25,479	2,792
<b>District No. 3:</b>					Colorado.....	118	9,951	30,730	3,068
North Carolina.....	149	12,568	24,683	1,961	New Mexico.....	63	5,899	13,062	2,218
South Carolina.....	118	7,643	21,804	2,853	<b>District No. 10:</b>				
Georgia.....	171	12,348	29,042	2,352	Texas.....	349	57,967	168,551	2,908
Florida.....	71	4,535	8,823	1,946	<b>District No. 11:</b>				
<b>District No. 4:</b>					California.....	108	9,566	38,440	4,018
Tennessee.....	124	11,946	29,354	2,457	Utah.....	71	5,694	17,970	3,156
Kentucky.....	106	10,144	31,667	3,112	Nevada.....	7	387	2,522	6,517
Indiana.....	116	14,070	50,809	3,611	Arizona.....	16	1,680	7,037	4,189
Ohio.....	84	7,077	27,759	3,922	<b>District No. 12:</b>				
<b>District No. 5:</b>					Idaho.....	90	7,984	28,788	3,606
Alabama.....	126	25,501	47,396	1,859	Montana.....	156	8,936	27,448	3,072
Louisiana.....	80	14,744	36,559	2,490	Oregon.....	94	7,490	25,560	3,413
Mississippi.....	159	28,004	56,460	2,016	Washington.....	167	14,000	39,363	2,800

<sup>1</sup> Including loans made through national farm loan associations and agents.

Source of Tables 280 and 281: Federal Farm Loan Board.

**No. 282.—JOINT-STOCK LAND BANKS: CAPITAL, SURPLUS, RESERVES, UNDIVIDED PROFITS, AND LOANS IN FORCE, FOR EACH BANK, DECEMBER 31, 1927**

District and title of bank	Location	Capital paid in	Surplus (paid in and earned)	Reserve (legal)	Other net-worth accounts	Undivided profits	Loans in force
		Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
District No. 1: New York.....	Rochester, N. Y.....	800,000	105,340	81,064	28,077	6,037	14,041,791
District No. 2:							
Virginian.....	Charleston, W. Va.....	1,150,000	51,840	213,555	9,764		17,123,240
Virginia-Carolina.....	Norfolk, Va.....	400,000	72,500	51,400	33,303	22,328	6,719,607
Pennsylvania.....	Philadelphia, Pa.....	400,000	43,135	13,100	27,025	5,525	6,650,050
Greenbrier.....	Covington, Va.....	250,000	33,096	14,000	9,694	9,471	2,620,353
Maryland-Virginia.....	Baltimore, Md.....	230,000	25,000	23,400	2,788	42,384	2,474,620
Potomac.....	Alexandria, Va.....	350,000	60,000	33,000	21,584	10,800	6,284,311
District No. 3:							
First Carolina.....	Columbia, S. C.....	793,000	70,300	75,800		33,310	13,318,678
Atlantic.....	Raleigh, N. C.....	907,500	121,500	100,650	48,921	48,738	15,008,706
North Carolina.....	Durham, N. C.....	700,000	290,615	116,500	25,305	21,403	14,133,229
Greensboro.....	Greensboro, N. C.....	250,000	90,000	45,000	10,878	20,119	4,712,534
Atlanta.....	Atlanta, Ga.....	350,000	50,000	24,400	18,376	14,843	5,865,396
District No. 4:							
Fletcher.....	Indianapolis, Ind.....	730,000	472,631	166,200	50,000		15,279,602
Mississippi.....	Memphis, Tenn.....	350,000	45,000	72,000	21,474		4,110,442
Tennessee.....	do.....	250,000	50,000	52,000	13,097		3,690,586
First.....	Fort Wayne, Ind.....	400,000	225,000	84,000	28,765	53,047	8,198,678
Lafayette.....	Lafayette, Ind.....	300,000	300,000	73,000	13,434	5,972	9,063,772
Kentucky.....	Lexington, Ky.....	650,000	130,000	100,000	82,049		11,949,532
Louisville.....	Louisville, Ky.....	500,000		48,000	17,145	4,535	6,689,833
Union.....	do.....	250,000		22,000	3,912	8,347	2,999,823
Ohio-Pennsylvania.....	Cleveland, Ohio.....	660,000	150,000	64,800	3,409	10,414	13,008,491
Union Trust.....	Indianapolis, Ind.....	225,000	38,750		3,700	10,330	247,493
Indianapolis.....	do.....	170,000		116		348	168,843
District No. 5:							
First.....	New Orleans, La.....	250,000	36,000	33,400	9,880	30,671	4,339,827
Do.....	Montgomery, Ala.....	650,000	45,000	56,700	8,275	52,429	8,635,182
District No. 6:							
Chicago.....	Chicago, Ill.....	4,000,000		537,595	385,674	124,461	54,511,904
Illinois.....	Monticello, Ill.....	450,000		58,100	10,600	26	6,918,649
First Trust.....	Chicago, Ill.....	3,000,000	400,000	108,500	24,471	90,960	54,963,340
St. Louis.....	St. Louis, Mo.....	1,430,000		225,000	54,000	69,347	22,171,279
Illinois Midwest.....	Edwardsville, Ill.....	350,000	41,194	27,237			6,070,211
Southwest.....	Little Rock, Ark.....	280,000	18,000		18,528	24,979	4,725,927
District No. 7:							
Southern Minnesota.....	Minneapolis, Minn.....	3,000,000		397,200		24,872	23,896,943
Minneapolis Trust.....	do.....	450,000	50,000	73,000	38,191	100,464	5,290,645
Union.....	Detroit, Mich.....	500,000	100,000	40,500	27,341	34,296	9,131,472
District No. 8:							
Iowa.....	Sioux City, Iowa.....	500,000	124,925	100,500	10,277	52	7,527,028
Lincoln.....	Lincoln, Nebr.....	2,711,400		368,500	59,218	245,089	38,128,106
Fremont.....	do.....	850,000		171,800	7,148	66,552	9,580,444
Des Moines.....	Des Moines, Iowa.....	1,150,000		68,789		10,436	14,068,498
Burlington.....	Burlington, Iowa.....	250,000	25,000	25,000	9,214	11,705	3,894,394
District No. 9:							
Denver.....	Denver, Colo.....	1,184,800		100,000	3,008	120,761	15,312,474
District No. 10:							
First Texas.....	Houston, Tex.....	550,000	18,360	85,000	10,828	28,249	7,870,089
Dallas.....	Dallas, Tex.....	2,500,000	120,000	373,000	83,616	65,064	42,033,404
San Antonio.....	San Antonio, Tex.....	1,211,500	57,066	101,700	58,377	33,835	18,917,283
First Trust.....	Dallas, Tex.....	1,100,000	75,000	30,000	18,848	44,480	18,163,312
District No. 11:							
California.....	San Francisco, Calif.....	875,000	133,750	190,000	26,365	58,631	13,805,006
Pacific Coast.....	Salt Lake City, Utah.....	300,000	25,000	17,000	8,903	20,157	4,472,562
Do.....	San Francisco, Calif.....	600,000	107,500	70,000	14,145	46,757	13,344,702
Do.....	Los Angeles, Calif.....	500,000	25,000	40,500	18,332	34,104	8,350,313
District No. 12:							
Oregon-Washington.....	Portland, Oreg.....	250,000	12,300	22,000	9,978	4,412	3,668,929
Pacific Coast.....	do.....	450,000	85,000	80,000	18,309	5,867	7,298,990
Northwest.....	do.....	102,410	7,500	1,100		7,897	51,384

Source: Federal Farm Loan Board.

**No. 263.—JOINT-STOCK LAND BANKS: BUSINESS TRANSACTED FROM ORGANIZATION TO DECEMBER 31, 1927**

State	Number of loans	Land mortgaged (1,000 acres)	Appraised valuations (1,000 dollars)		State	Number of loans	Land mortgaged (1,000 acres)	Appraised valuations (1,000 dollars)	
			Land	Buildings				Land	Buildings
<b>Total.....</b>	<b>114,808</b>	<b>32,348</b>	<b>1,716,588</b>	<b>333,706</b>	Nebraska.....	2,915	1,623	79,794	10,944
Alabama.....	957	355	15,293	2,838	Nevada.....	33	31	1,488	314
Arizona.....	453	47	8,725	870	New Jersey.....	487	51	4,071	3,484
Arkansas.....	1,696	546	34,265	4,637	New York.....	2,423	304	21,969	15,189
California.....	2,562	732	72,351	10,735	North Carolina.....	12,460	1,842	90,438	29,923
Colorado.....	1,418	547	21,802	4,579	North Dakota.....	797	210	12,695	2,616
Georgia.....	1,666	584	19,787	5,839	Ohio.....	7,003	770	65,360	25,035
Idaho.....	909	100	9,690	1,597	Oklahoma.....	1,521	488	17,081	2,257
Illinois.....	9,664	1,340	188,441	25,683	Oregon.....	1,183	841	31,099	3,969
Indiana.....	7,995	882	96,641	15,342	Pennsylvania.....	2,540	289	16,476	14,248
Iowa.....	9,697	1,619	252,902	33,447	South Carolina.....	2,933	730	30,912	8,346
Kansas.....	4,787	1,757	67,462	8,937	South Dakota.....	1,979	3,901	37,015	6,726
Kentucky.....	2,477	363	29,587	7,570	Tennessee.....	915	152	8,597	1,913
Louisiana.....	69	67	3,275	644	Texas.....	12,434	7,663	202,252	25,713
Maryland.....	693	112	7,866	4,657	Utah.....	176	38	1,698	315
Michigan.....	2,172	252	18,772	9,865	Virginia.....	2,497	477	23,556	2,265
Minnesota.....	4,611	915	68,063	17,106	Washington.....	229	135	5,763	689
Mississippi.....	563	301	21,771	3,242	West Virginia.....	2,376	353	15,935	5,801
Missouri.....	4,081	747	64,382	8,756	Wisconsin.....	1,176	154	11,576	4,494
Montana.....	344	229	4,846	1,061	Wyoming.....	729	900	11,864	1,840

**LOANS GRANTED BY PURPOSES (AMOUNTS IN THOUSANDS OF DOLLARS)**

State	Total amount loaned	Purchase of land		Buildings and improvements		Equipment, fertilizer live-stock, and irrigation		To pay mortgages		To pay other debts	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
<b>Total.....</b>	<b>790,805</b>	<b>62,347</b>	<b>10</b>	<b>24,650</b>	<b>3</b>	<b>16,093</b>	<b>2</b>	<b>616,615</b>	<b>79</b>	<b>60,470</b>	<b>6</b>
Alabama.....	6,209	334	5	241	4	99	2	5,294	85	240	4
Arizona.....	3,334	234	7	77	2	31	1	2,809	85	182	5
Arkansas.....	14,960	1,074	7	772	5	671	4	11,783	80	660	4
California.....	32,396	1,685	5	1,335	4	691	2	25,794	80	2,990	9
Colorado.....	9,278	843	9	118	1	257	3	7,396	79	765	8
Georgia.....	8,858	670	8	324	4	321	4	6,996	79	548	6
Idaho.....	4,306	284	7	46	1	43	1	3,769	87	164	4
Illinois.....	84,190	12,090	14	1,525	2	1,081	1	62,643	75	6,902	8
Indiana.....	43,575	8,657	20	1,143	3	638	1	30,694	70	2,443	6
Iowa.....	117,605	11,600	10	2,907	2	1,274	1	94,993	81	6,830	6
Kansas.....	30,724	3,093	10	561	2	930	3	24,188	79	1,962	6
Kentucky.....	14,444	1,090	8	263	3	216	1	12,066	83	738	5
Louisiana.....	1,374	35	3	10	1	23	2	1,235	89	71	6
Maryland.....	4,331	581	13	140	3	84	2	3,246	76	274	6
Michigan.....	10,162	1,174	12	381	4	212	2	7,852	77	542	5
Minnesota.....	41,493	2,823	7	1,027	2	490	1	35,622	85	1,930	5
Mississippi.....	8,782	978	11	596	7	195	2	6,379	73	634	7
Missouri.....	30,552	2,784	9	961	3	462	2	24,756	81	1,569	5
Montana.....	2,045	133	7	67	3	117	6	1,370	67	357	17
Nebraska.....	34,766	4,358	15	649	2	641	2	25,186	73	2,631	8
Nevada.....	708	35	5	5	1	47	7	593	83	28	4
New Jersey.....	2,521	266	11	135	5	86	3	1,898	76	117	5
New York.....	12,569	1,276	10	437	3	308	2	9,966	80	563	5
North Carolina.....	41,580	2,846	7	2,998	7	1,214	3	31,697	76	2,835	7
North Dakota.....	4,728	138	3	65	1	72	2	4,261	90	192	4
Ohio.....	33,987	4,833	14	1,206	4	624	2	25,396	75	1,608	5
Oklahoma.....	7,702	675	9	184	2	355	5	6,084	79	404	5
Oregon.....	13,589	1,164	9	253	2	880	3	10,617	77	1,196	9
Pennsylvania.....	9,951	1,715	17	373	4	196	2	7,115	71	551	6
South Carolina.....	15,560	920	6	490	4	515	3	11,832	77	1,599	10
South Dakota.....	16,805	1,041	6	351	2	146	1	14,449	86	779	5
Tennessee.....	3,946	371	9	154	4	89	2	3,194	81	165	4
Texas.....	89,685	8,672	10	2,656	3	2,479	3	70,722	76	5,157	6
Utah.....	810	34	4	21	3	16	2	712	88	27	3
Virginia.....	11,564	1,157	10	593	5	294	3	8,349	72	1,171	10
Washington.....	2,465	214	9	37	1	23	1	2,040	83	151	6
West Virginia.....	7,382	864	12	921	13	480	6	4,245	57	872	12
Wisconsin.....	5,880	446	8	251	4	193	3	4,732	81	258	4
Wyoming.....	5,248	142	3	42	1	108	2	4,511	86	445	8

Source: Federal Farm Loan Board.

### No. 284.—JOINT-STOCK LAND BANKS: CONSOLIDATED STATEMENT, DECEMBER 31

[All figures in thousands of dollars]

	1922	1923	1924	1925	1926	1927
<b>Assets.....</b>	<b>868,768</b>	<b>428,734</b>	<b>491,479</b>	<b>591,737</b>	<b>683,545</b>	<b>653,839</b>
Net mortgage loans	218,775	292,639	444,429	545,559	632,476	609,477
Accrued interest on mortgage loans <sup>1</sup>	3,689	6,817	7,370	8,748	10,317	10,069
United States Government bonds and securities	28,682	15,730	15,576	15,239	13,652	5,992
Accrued interest on bonds and securities <sup>1</sup>	306	111	122	102	93	56
Other accrued interest (uncollected)	9	107	87	42	17	—
Cash on hand and in banks	9,514	9,249	12,456	11,592	11,821	9,326
Notes and accounts receivable	285	843	3,518	2,964	2,619	1,469
Installments matured (in process of collection)	521	779	1,136	1,409	2,264	2,090
Banking houses	367	685	982	1,063	1,085	154
Furniture and fixtures	140	173	189	172	196	135
Sheriffs certificates, judgments, etc. (subject to redemption)	—	—	—	1,532	2,260	3,798
Real estate sales contracts, purchase mortgages, etc.	—	—	—	2,486	4,696	3,637
Real estate owned outright	—	—	—	—	—	5,566
Securities owned on repurchase agreement	—	—	—	—	—	1,206
Other assets	1,456	1,612	3,610	478	1,850	839
<b>Liabilities.....</b>	<b>868,768</b>	<b>428,734</b>	<b>491,479</b>	<b>591,737</b>	<b>683,545</b>	<b>653,839</b>
Capital stock paid in	24,571	33,810	34,487	41,596	44,740	40,651
Surplus paid in	833	1,190	1,239	1,450	1,773	1,828
Reserve (legal)	1,276	2,164	2,649	4,257	4,830	4,879
Surplus (from earnings)	271	462	902	1,083	1,472	2,088
Undivided profits	922	1,137	1,257	2,262	2,302	1,713
Other reserves	—	—	—	1,045	1,360	1,404
Farm loan bonds outstanding	207,982	354,090	435,067	516,144	605,262	582,049
Accrued interest on farm loan bonds <sup>1</sup>	1,802	3,355	4,373	5,656	7,224	7,049
Other accrued interest payable <sup>1</sup>	61	128	64	89	49	29
Notes and accounts payable	18,562	28,330	8,061	12,759	8,451	4,264
Due borrowers on uncompleted loans	3,362	1,740	973	1,846	1,730	534
Amortization installments paid in advance	235	766	999	1,283	1,770	2,220
Matured interest on farm loan bonds (coupons not presented)	221	683	996	1,128	1,372	1,261
Dividend declared but unpaid	—	—	—	310	734	539
Securities sold on repurchase agreement	—	—	—	—	—	2,080
Other liabilities	3,626	581	511	831	555	631

<sup>1</sup> Not matured.

### No. 285. FEDERAL INTERMEDIATE CREDIT BANKS: PRINCIPAL ASSETS AND LIABILITIES, DECEMBER 31

[All figures in thousands of dollars]

Year and bank	Direct loans	Reds-counts	United States Government bonds and securities	Other securities	Cash on hand and in banks	Capital stock	Surplus and undivided profits	Debentures outstanding
<b>All banks:</b>								
1923	33,627	9,105	7,285	760	2,789	60,000	246	30,500
1924	43,507	18,760	7,111	600	8,384	60,000	908	49,710
1925	53,780	26,272	4,498	1,732	3,393	60,000	1,665	58,699
1926	52,704	39,790	—	1,964	4,074	60,000	1,861	66,580
1927	31,991	43,924	500	2,747	3,868	60,000	2,943	51,150
Springfield, Mass.	50	634	—	1,211	383	5,000	212	—
Baltimore	2,298	1,702	—	—	251	5,000	210	2,000
Columbia	2,665	2,436	500	26	413	5,000	—	4,250
Louisville	1,950	42	—	500	274	5,000	277	500
New Orleans	4,881	3,582	—	—	1,006	5,000	69	7,250
St. Louis	1,369	1,105	—	1,000	335	5,000	163	1,500
St. Paul	848	7,154	—	—	514	5,000	227	6,000
Omaha	760	5,282	—	—	23	5,000	107	3,650
Wichita	6,444	716	—	10	60	5,000	257	4,000
Houston	1,500	6,804	—	—	226	5,000	190	4,750
Berkeley	8,396	9,190	—	—	155	5,000	342	13,250
Spokane	630	5,277	—	—	225	5,000	261	4,000

Source of Tables 284 and 285. Federal Farm Loan Board.

**No. 286.—FEDERAL INTERMEDIATE CREDIT BANKS: CONSOLIDATED STATEMENT AS OF DECEMBER 31, 1923 TO 1927**

[All figures in thousands of dollars]

	1923	1924	1925	1926	1927
<b>Assets</b> .....	<b>99,288</b>	<b>190,049</b>	<b>196,135</b>	<b>135,008</b>	<b>190,909</b>
Direct loans.....	33,627	43,507	53,780	52,704	31,991
Rediscounts.....	9,105	18,760	26,272	39,730	43,924
Accrued interest on loans and rediscounts.....	271	338	346	593	360
United States Government bonds and securities.....	7,285	7,111	4,498	-----	500
Accrued interest on United States Government bonds and securities.....	81	73	38	-----	5
Other securities.....	750	600	1,732	1,984	2,747
Rediscounts for other Federal intermediate credit banks.....	5,305	5,250	-----	-----	500
Cash on hand and in banks.....	2,789	8,384	3,393	4,074	3,865
Capital stock callable from United States Treasury.....	40,000	36,000	36,000	35,000	35,000
Other assets.....	75	26	76	1,022	1,317
<b>Liabilities</b> .....	<b>99,288</b>	<b>190,049</b>	<b>196,135</b>	<b>135,008</b>	<b>190,909</b>
Capital stock subscribed.....	60,000	60,000	60,000	60,000	60,000
Surplus.....	246	453	743	1,034	1,447
Undivided profits.....		455	922	827	796
Other reserves.....		162	155	-----	372
Reserved for matured debentures.....	-----	-----	115	17	-----
Debentures outstanding.....	30,500	49,710	58,699	68,580	51,150
Accrued interest on debentures outstanding.....	388	567	681	755	676
Notes and bills payable.....	800	1,050	2,500	1,400	2,094
Notes and bills rediscounted.....	6,800	5,850	1,572	665	2,773
Bonds and securities borrowed.....	-----	750	-----	-----	-----
Interest collected not earned.....	290	495	390	573	600
Cash capital rediscount agencies.....	-----	224	224	-----	122
Other accrued interest.....	38	43	2	6	7
Reserved for dividends unpaid.....	-----	249	62	-----	-----
Other liabilities.....	227	42	69	773	112

Source: Federal Farm Loan Board.

**No. 287.—WAR FINANCE CORPORATION: STATUS OF ADVANCES MADE UNDER ALL SECTIONS OF THE ACT, APRIL 5, 1918, TO NOVEMBER 30, 1927**

[NOTE.—When the corporation resumed operations January, 1921, there was outstanding \$111,117,610. The making of new loans was discontinued on Dec. 31, 1924, and all loans since that date are "expense advances" only. Figures for agricultural and livestock loans have been revised and adjusted so as to exclude all amounts representing renewals of loans and to include only net additional amounts advanced. For details of advances to Nov. 30, 1924, see Statistical Abstract 1924, Tables 245 and 246]

	Amounts advanced	Repayments to Nov. 30, 1922	Repayments Dec. 1, 1922, to Nov. 30, 1924	Repayments Dec. 1, 1924, to Nov. 30, 1926	Repayments Dec. 1, 1926, to Nov. 30, 1927	Balance outstanding Nov. 30, 1927
<b>Total</b> .....	<b>\$690,296,191</b>	<b>\$470,036,773</b>	<b>\$154,882,605</b>	<b>\$39,948,733</b>	<b>\$21,794,644</b>	<b>\$1,999,685</b>
Advances under the war power of the corporation.....	1306,771,211	279,091,966	10,688,867	1245,678	16,544,700	200,000
Advances for export purposes prior to resumption of operations in January, 1921.....	46,347,654	46,347,654	-----	-----	-----	-----
Advances for export purposes since resumption of operations in January, 1921.....	38,653,540	36,593,543	2,059,996	-----	-----	-----
Advances for agricultural and livestock purposes under agricultural credits act of Aug. 24, 1921.....	1298,523,786	108,003,609	142,133,741	39,703,054	5,249,944	1,799,685

<sup>1</sup> Includes expense advances amounting to \$15,191.

<sup>2</sup> Includes \$4,100 charged to profit and loss.

<sup>3</sup> Includes expense advances amounting to \$1,535,823.

<sup>4</sup> After deducting an additional amount of \$1,633,749 charged to profit and loss.

Source: War Finance Corporation.



**No. 288.—CLEARING HOUSE EXCHANGES: SUMMARY BY GEOGRAPHIC DIVISIONS**

[NOTE.—All figures in millions of dollars. Prior to 1920 data are for all cities reporting to the New York Clearing House Association; commencing 1920 they are for 182 identical cities. The comparability of these figures is affected (1) by changes in the number of cities reporting, and (2) by the tendency toward consolidation of banks, eliminating former clearings between two or more banks. Debits to individual account (Tables 291 to 293) are a more significant measure of volume of payments]

Year ended Sept. 30—	Entire country			Eastern division		Southern division	Middle Western division	Western division	Pacific division
	Total	Exclusive of New York City	New England division	Total	New York City				
1900.....	84,582	32,618	7,120	59,705	51,965	2,328	13,194	651	1,694
1905.....	140,602	48,623	8,487	103,765	91,879	4,016	20,097	964	3,194
1907.....	154,477	59,161	9,712	108,662	95,315	5,113	24,746	1,384	4,000
1908.....	126,239	52,608	8,115	85,343	73,631	4,485	23,145	1,382	3,768
1909.....	155,877	59,530	9,372	111,501	99,258	5,106	26,682	1,700	4,514
1910.....	168,987	66,433	9,707	116,778	102,554	5,951	29,148	1,980	5,422
1911.....	159,540	67,119	9,616	106,742	92,420	6,528	29,062	1,938	5,654
1912.....	168,086	72,014	10,278	111,672	95,672	7,446	30,910	2,043	6,338
1913.....	173,193	75,071	9,807	114,430	98,123	6,750	33,338	2,221	6,547
1914.....	163,850	74,089	9,400	105,474	89,760	6,774	33,567	2,278	6,357
1915.....	163,189	72,347	9,022	105,793	90,843	6,411	33,442	2,410	6,112
1916.....	242,236	95,065	12,211	167,897	147,181	8,830	42,671	3,248	7,379
1917.....	305,062	123,528	14,433	208,061	181,534	11,771	56,149	4,485	10,163
1918.....	320,989	146,464	16,975	206,810	174,524	15,577	63,621	6,509	12,406
1919.....	387,864	173,151	19,237	252,255	214,703	20,707	72,366	7,695	15,594
1920.....	460,722	208,384	22,378	297,275	252,339	26,425	85,115	9,306	20,164
1921.....	374,471	170,389	17,340	243,067	204,062	18,824	69,601	7,674	17,946
1922.....	379,433	166,107	18,039	251,262	213,326	18,269	66,066	7,059	18,738
1923.....	408,690	193,968	21,901	259,423	214,621	21,692	75,667	7,463	22,543
1924.....	434,768	199,268	23,357	280,971	235,499	23,819	75,901	7,012	24,207
1925.....	495,995	219,121	25,050	327,767	276,874	25,182	83,636	7,641	25,719
1926.....	525,317	231,874	27,881	347,045	293,443	27,557	86,317	7,870	28,647
1927.....	535,908	228,750	29,319	358,887	307,159	25,324	86,014	7,816	29,549

**No. 289.—NEW YORK CLEARING HOUSE TRANSACTIONS**

[NOTE.—All money figures in millions of dollars. See (2) headnote Table 288]

Yearly average or year ended Sept. 30—	Balance paid in money			Year ended Sept. 30—	Balance paid in money		
	Clearings	Amount	Per cent of clearings		Clearings	Amount	Per cent of clearings
1871-1875.....	29,305	1,302	4.65	1896.....	26,361	1,843	6.98
1876-1880.....	25,951	1,379	5.31	1897.....	31,338	1,900	6.01
1881-1885.....	38,951	1,552	3.98	1898.....	39,853	2,339	5.87
1886-1890.....	34,314	1,634	4.76	1899.....	57,368	3,086	5.37
1891-1895.....	31,450	1,725	5.48	1900.....	51,965	2,730	5.25
1896-1900.....	41,975	2,381	5.67	1901.....	77,021	3,315	4.36
1901-1905.....	74,632	3,454	4.62	1902.....	74,753	3,378	4.51
1906-1910.....	94,902	3,889	4.10	1903.....	70,814	3,316	4.68
1911-1915.....	93,563	5,011	5.36	1904.....	59,673	3,166	5.30
1916-1920.....	194,056	10,826	5.67	1905.....	91,879	3,954	4.33
1921-1925.....	228,881	24,257	10.60	1906.....	103,765	3,833	3.69
1875.....	25,061	1,409	5.62	1907.....	95,315	3,814	4.00
1876.....	21,397	1,295	5.99	1908.....	73,631	3,410	4.63
1877.....	23,289	1,374	5.89	1909.....	99,258	4,194	4.22
1878.....	22,506	1,308	5.81	1910.....	102,554	4,195	4.09
1879.....	25,179	1,400	5.56	1911.....	92,420	4,380	4.74
1880.....	37,182	1,517	4.07	1912.....	95,672	5,051	5.23
1881.....	48,596	1,770	3.66	1913.....	96,122	5,144	5.24
1882.....	40,553	1,365	3.42	1914.....	89,760	5,129	5.71
1883.....	40,263	1,569	3.89	1915.....	90,843	5,341	5.87
1884.....	34,092	1,525	4.47	1916.....	147,181	8,562	5.82
1885.....	25,251	1,295	5.12	1917.....	181,534	12,148	6.69
1886.....	33,375	1,520	4.55	1918.....	174,524	17,255	9.86
1887.....	34,873	1,570	4.49	1919.....	214,703	20,950	9.75
1888.....	50,864	1,570	3.08	1920.....	252,338	25,216	9.99
1889.....	34,790	1,758	5.05	1921.....	204,082	20,890	10.22
1890.....	37,661	4,753	4.65	1922.....	213,326	21,033	9.85
1891.....	34,054	1,585	4.65	1923.....	214,621	23,282	10.85
1892.....	36,280	1,862	5.13	1924.....	235,499	26,390	11.30
1893.....	34,421	1,606	4.92	1925.....	276,874	29,721	10.73
1894.....	34,236	1,585	4.64	1926.....	293,443	32,197	10.96
1895.....	28,364	1,807	6.71	1927.....	307,159	34,670	11.28

Source of Tables 288 and 289: Comptroller of the Currency, Treasury Department.

**No. 290.—CLEARING HOUSE EXCHANGES: AMOUNT OF CLEARINGS IN EACH CITY**

[NOTE.—In millions and tenths of millions of dollars. Totals are for all cities reporting to the New York Clearing House Association. Clearings of certain cities not reporting regularly are not shown separately]

Division and city	1910	1915	1920	1922	1923	1924	1925	1926	1927
<b>All cities.....</b>	<b>168,967.0</b>	<b>163,189.2</b>	<b>464,074.7</b>	<b>381,946.0</b>	<b>413,092.8</b>	<b>443,966.5</b>	<b>506,225.1</b>	<b>536,964.9</b>	<b>543,955.8</b>
<b>New England.....</b>	<b>9,706.7</b>	<b>9,081.5</b>	<b>23,378.0</b>	<b>18,066.8</b>	<b>21,842.5</b>	<b>23,365.3</b>	<b>25,098.7</b>	<b>27,933.0</b>	<b>29,356.3</b>
<b>Maine:</b>									
Bangor.....	20.1	21.7	46.5	41.6	40.7	41.4	37.8	38.9	42.3
Portland.....	99.4	101.0	158.2	154.2	164.6	156.6	170.8	187.4	198.1
<b>New Hampshire:</b>									
Manchester.....				27.5	41.2		39.9	42.1	38.9
<b>Massachusetts:</b>									
Boston.....	8,414.5	7,481.3	19,570.3	15,630.4	19,068.4	20,526.6	21,974.0	24,641.5	26,087.3
Fall River.....	61.0	60.2	139.1	91.5	122.5	113.2	116.9	110.5	103.5
Holyoke.....	28.9	37.5	52.3	41.6	50.0	47.7	49.1	48.8	46.6
Lowell.....	25.2	40.7	64.6	58.4	68.1	61.8	59.9	57.9	62.8
New Bedford.....	57.2	55.6	111.0	78.6	80.7	74.2	79.4	73.7	65.5
Springfield.....	114.7	142.1	273.7	219.0	262.5	275.5	300.2	299.0	284.7
Worcester.....	111.1	131.7	239.3	181.7	184.9	182.1	190.1	193.2	187.9
<b>Rhode Island:</b>									
Providence.....	420.1	393.3	723.6	570.0	628.7	624.9	691.2	708.7	727.3
<b>Connecticut:</b>									
Hartford.....	211.2	310.1	524.1	476.3	551.9	634.2	713.8	825.8	704.2
New Haven.....	143.3	186.1	329.9	282.9	330.4	356.6	363.4	373.6	396.3
Stamford.....			41.2	127.4	153.5	158.2	177.8	194.4	194.9
Waterbury.....		60.2	104.2	85.7	94.5	104.3	125.8	127.7	128.0
<b>Eastern.....</b>	<b>116,778.4</b>	<b>106,793.2</b>	<b>297,542.9</b>	<b>251,978.3</b>	<b>260,653.6</b>	<b>284,779.8</b>	<b>331,916.7</b>	<b>351,770.8</b>	<b>363,942.4</b>
<b>New York:</b>									
Albany.....	307.5	290.0	259.2	228.7	264.4	281.5	325.8	332.9	333.6
Binghamton.....	23.8	34.6	63.1	51.6	57.3	53.4	57.9	60.1	64.4
Buffalo.....	501.9	576.2	2,258.4	1,908.7	2,307.4	2,292.3	2,645.6	2,797.7	2,711.3
Elmira.....						41.8	47.6	52.1	58.1
Jamestown.....				53.5	60.5	62.3	73.8	78.3	79.7
New York.....	102,554.0	90,842.7	252,338.2	213,326.4	214,621.4	235,498.6	276,873.9	293,443.3	307,158.6
Niagara Falls.....				51.2	21.3	44.3	52.0	55.7	60.8
Rochester.....	209.8	238.8	587.7	469.3	545.9	581.3	651.1	686.0	713.3
Syracuse.....	120.4	153.8	253.0	208.6	241.3	256.7	289.4	317.5	332.8
<b>New Jersey:</b>									
Camden.....			239.0	435.2	568.8	603.4	685.3	1,126.4	1,107.8
Montclair.....		21.7	28.2	22.5	25.2	29.7	32.3	42.4	44.6
Newark.....				381.5	874.7	964.3	1,066.1	1,300.0	1,342.5
<b>Northern New Jersey:</b>									
Orange.....		41.7	47.2	50.1	53.8	58.5	66.5	76.1	80.5
Passaic.....			74.8	58.9	75.7	81.4	90.7	112.8	123.0
Trenton.....	81.9	95.1	197.9	198.4	237.9	272.0	309.7	327.5	345.5
<b>Pennsylvania:</b>									
Allentown.....				88.7	109.1	120.0	139.2	154.0	
Altoona.....	23.2	27.6	51.6	52.2	72.9	73.5	75.8	83.9	79.3
Bethlehem.....			52.4	160.3	220.8	196.9	208.1	223.5	232.5
Chester.....	28.6	35.2	80.5			69.1	75.5	74.1	74.4
Erie.....	43.2	50.9	135.3			378.9	401.9	427.3	
Franklin.....	13.2	12.3	42.4	17.0	17.9	16.2	15.7	20.1	16.5
Greensburg.....	26.7	27.0	69.7	64.8	79.5	66.7	89.4	74.9	77.2
Homestead.....							55.1	57.4	55.1
Harrisburg.....	64.9	84.1	200.4	201.2	224.6	228.9	253.7	253.1	269.5
Johnstown.....							293.1	315.2	
Lancaster.....	38.3	82.3	156.3	129.0	163.9	153.3	148.8	125.3	114.1
Lebanon.....			39.6	26.8	29.0	30.7	32.2	33.3	33.5
New Brighton.....		27.8	42.1	32.0	39.7	39.5	38.3	38.4	38.2
Norristown.....		24.4	44.9	27.9	43.8	46.2	54.3	49.3	48.1
Oil City.....				141.3	162.3	158.6	172.5	174.1	181.7
Philadelphia.....	7,760.3	7,968.0	25,035.9	21,514.2	24,649.0	25,063.3	28,285.8	29,506.0	28,427.0
Pittsburgh.....	2,604.1	2,527.7	8,549.3	6,538.9	8,069.5	8,002.9	8,628.0	9,134.3	9,417.1
Reading.....	81.8	95.8	158.6	137.3	171.0	178.1	190.9	213.1	223.7
Scranton.....	137.6	166.9	259.8	231.4	285.3	296.6	323.2	318.2	333.5
Wilkes-Barre.....	71.8	85.9	150.6	140.8	169.4	196.1	208.5	190.1	213.1
Williamsport.....			52.4			55.4	59.7	63.5	
York.....	48.6	46.7	80.3	66.5	77.8	86.5	100.7	98.5	94.7
<b>Delaware: Wil-</b>									
<b>mington.....</b>	<b>78.9</b>	<b>95.7</b>	<b>189.1</b>	<b>124.3</b>	<b>140.5</b>	<b>135.9</b>	<b>143.5</b>	<b>153.4</b>	<b>165.8</b>
<b>Maryland:</b>									
Baltimore.....	1,581.6	1,727.8	4,843.3	3,831.0	4,827.3	4,945.2	5,573.8	6,109.8	5,622.7
Frederick.....	13.1	17.6	32.2	19.9	21.2	21.8	24.0	25.4	26.6
Hagerstown.....			39.5	31.9	38.9	39.8	39.8	41.0	42.9
<b>District of Colum-</b>									
<b>bia: Washington.....</b>	<b>363.2</b>	<b>394.9</b>	<b>890.0</b>	<b>956.3</b>	<b>1,082.1</b>	<b>1,143.6</b>	<b>1,304.3</b>	<b>1,368.1</b>	<b>1,396.1</b>

<sup>1</sup> Nine months.

<sup>2</sup> From Commercial and Financial Chronicle.

<sup>3</sup> Six months.

<sup>4</sup> Composed of banks in northern New Jersey, Jersey City, Hoboken, Bayonne, and Union.

<sup>5</sup> Eight months.

## No. 290.—CLEARING HOUSE EXCHANGES: AMOUNT OF CLEARINGS IN EACH CITY—Continued

[In millions and tenths of millions of dollars]

Division and city	1910	1915	1920	1922	1923	1924	1925	1926	1927
<b>Southern.....</b>	<b>5,951.4</b>	<b>6,411.0</b>	<b>27,522.7</b>	<b>18,900.4</b>	<b>22,928.1</b>	<b>25,819.7</b>	<b>29,819.0</b>	<b>31,246.4</b>	<b>27,055.8</b>
Virginia:									
Norfolk.....	156.6	199.8	571.9	361.1	399.9	422.7	425.4	445.5	351.3
Richmond.....	385.9	466.8	3,389.9	2,214.6	2,548.3	2,770.5	2,834.6	2,725.8	2,517.9
Roanoke.....					290.0	290.4	320.2	342.2	354.7
West Virginia:									
Charleston.....				175.5	194.1	187.6	189.9	207.7	
Huntington.....			<sup>1</sup> 72.6	80.5	105.1	98.0	85.7	80.5	72.4
Wheeling.....	90.3	98.7	282.3	232.5	<sup>1</sup> 227.2	218.4	222.8	224.3	223.8
North Carolina:									
Charlotte.....			<sup>6</sup> 36.8			509.7	583.6	610.2	618.5
Greensboro.....			76.6	184.9	193.6	202.2	274.9	306.6	
Raleigh.....			80.0	83.2	122.6	129.4	139.6	145.4	141.0
South Carolina:									
Charleston.....	87.9	93.9	255.9	119.8	121.0	134.1	137.2	130.7	121.8
Columbia.....		43.9	191.4	102.3	148.2	103.4	101.1	87.8	<sup>1</sup> 104.1
Greenville.....					104.1	113.4	119.9		
Georgia:									
Albany.....						59.8	70.2		
Atlanta.....	548.9	659.3	3,610.8	2,191.2	2,621.4	2,836.2	3,339.5	3,514.0	2,690.8
Augusta.....	114.1	82.0	260.1	90.1	106.2	104.9	108.7	110.6	111.8
Columbus.....	19.1	20.4	64.9	38.5	46.7	46.7	53.8	56.3	56.0
Macon.....	54.3	149.0	415.9	62.5	75.8	76.7	88.9	96.8	111.5
Savannah.....	254.9	233.1	570.9			613.6	739.4	808.7	
Valdosta.....							68.2	75.7	
Florida:									
Jacksonville.....	117.1	138.0	605.9	494.3	620.3	765.2	1,180.0	1,674.8	<sup>1</sup> 1,087.9
Miami.....						<sup>1</sup> 141.7	816.8	855.2	311.8
Pensacola.....						85.3	98.7	114.5	99.0
Tampa.....		49.9	123.2	114.7	148.4	178.1	360.7	492.9	262.0
Alabama:									
Birmingham.....	127.6	127.8	978.3	1,015.9	1,320.3	1,344.8	1,375.6	1,365.4	1,303.9
Mobile.....	74.1	54.5	128.3	87.8	99.9	96.7	103.2	110.0	<sup>2</sup> 104.9
Montgomery.....		47.4	106.3	68.7	83.7	90.4	92.8	90.1	84.7
Mississippi:									
Hattiesburg.....						78.3	84.4	103.8	<sup>1</sup> 97.1
Jackson.....	23.9	20.0	36.5	42.7	51.2	54.1	73.6	85.8	<sup>1</sup> 92.3
Meridian.....	15.4	1.2			47.1	44.7	44.5	47.5	<sup>1</sup> 50.6
Vicksburg.....	16.5	13.4	23.4	17.2	19.5	20.5	23.9	22.2	21.8
Louisiana:									
New Orleans.....	987.5	898.8	3,562.7	2,266.9	2,647.8	2,997.6	3,111.5	3,157.1	3,032.6
Shreveport.....		52.0	258.2	215.0	247.0	249.6	268.9	279.4	280.6
Texas:									
Austin.....	70.0	135.1	81.6	80.5	101.0	84.6	104.5	88.1	84.7
Beaumont.....	32.7	35.9	77.3	56.0	68.0	70.8	71.8	82.8	101.3
Dallas.....			1,984.2	1,326.3	1,640.5	2,059.3	2,486.1	2,589.5	2,570.9
El Paso.....		104.8	348.0	239.6	253.2	240.1	243.4	272.0	248.3
Fort Worth.....	341.2	420.4	972.4	569.0	571.5	603.3	646.0	723.0	686.8
Galveston.....	259.1	222.2	423.0	338.5	402.1	415.3	540.3	622.1	540.9
Houston.....	647.5	302.8	1,537.4	1,200.7	1,381.5	1,545.6	1,774.9	1,831.7	1,903.7
Port Arthur.....			20.6	19.7	29.9	26.7	26.2	29.3	<sup>1</sup> 31.6
San Antonio.....			416.7	326.0	367.5	403.8	466.8	484.5	591.3
Waco.....			178.0	128.2	144.7	169.6	146.3	115.0	100.1
Wichita Falls.....			264.8	92.5	102.8	82.8	125.7	180.9	149.4
Arkansas:									
Little Rock.....	88.9	103.8	646.4	449.2	591.4	614.6	722.4	765.9	725.4
Pine Bluff.....							58.6	57.7	50.7
Texarkana.....						34.8	41.0	40.6	33.6
Kentucky:									
Lexington.....	43.3	37.9	122.0	80.5	105.3	90.6	98.3	95.5	<sup>1</sup> 95.4
Louisville.....	682.4	671.0	1,153.0	1,277.7	1,534.0	1,569.0	1,731.2	1,787.9	1,815.8
Owensboro.....	21.3	18.0	39.3	23.9	25.3	23.6	22.0	19.4	19.3
Paducah.....		39.0		82.7	131.3	118.5	110.5	107.8	<sup>1</sup> 115.6
Tennessee:									
Chattanooga.....	94.3	114.3	414.7	264.9	329.3	325.0	358.0	403.6	422.0
Knoxville.....	86.4	87.7	174.7	143.7	155.6	164.2	161.5	167.9	<sup>1</sup> 170.1
Memphis.....	313.3	324.8	1,363.7	883.2	1,145.0	1,084.9	1,223.3	1,266.4	1,140.0
Nashville.....	168.6	305.3	1,188.5	869.8	982.6	1,007.1	1,105.8	1,136.4	1,154.1
<b>Middle Western.....</b>	<b>29,148.3</b>	<b>33,441.5</b>	<b>86,336.6</b>	<b>66,770.1</b>	<b>76,972.0</b>	<b>77,556.1</b>	<b>85,466.2</b>	<b>88,813.2</b>	<b>87,684.4</b>
Ohio:									
Akron.....	41.6	96.0	594.7	309.4	343.4	374.0	347.6	313.3	327.2
Canton.....	48.2	89.4	281.6	205.7	250.8	239.3	238.4	218.3	203.1
Cincinnati.....	1,278.0	1,274.1	3,567.8	2,888.7	3,419.6	3,419.6	3,616.7	3,861.8	3,868.1
Cleveland.....	962.8	1,369.4	6,755.5	4,424.2	5,447.3	5,392.6	5,859.7	6,135.0	6,410.4
Columbus.....	313.4	328.4	748.4	708.6	789.4	729.2	779.4	865.4	911.9
Dayton.....	111.1	107.0	254.7	227.0	275.0	303.5	337.2	365.1	378.4
Hamilton.....				33.5	44.8	41.1	45.1	48.1	<sup>1</sup> 48.6

<sup>1</sup> Nine months.<sup>2</sup> From Commercial and Financial Chronicle.<sup>6</sup> Three months.

# No. 290.—CLEARING HOUSE EXCHANGES: AMOUNT OF CLEARINGS IN EACH CITY—Continued

[In millions and tenths of millions of dollars]

Division and city	1920	1921	1922	1923	1924	1925	1926	1927
<b>Ohio—Continued.</b>								
Lorain		6.3	23.3	16.9	19.0	19.9	29.7	23.9
Mansfield	20.7	28.5	87.9	68.1	91.8	95.7	100.9	107.4
Springfield	27.2	40.3	94.0	179.9	255.1	235.5	232.1	289.5
Steubenville								98.9
Toledo	220.3	309.4	797.9			134.8	444.5	623.5
Youngstown	56.5	73.8	263.0	173.9	219.8	226.5	300.8	278.8
Zanesville								124.8
<b>Indiana:</b>								166.4
Evansville	113.8	64.2	256.3	255.2	253.4	255.1	277.1	260.1
Fort Wayne	51.8	66.5	105.7	97.3	118.3	123.7	143.8	151.0
Gary		14.8	66.6	104.5	179.5	203.6	270.7	336.7
Hammond						219.7	219.7	244.8
Indianapolis	468.1	411.7	943.7	876.8	1,040.0	1,012.3	888.9	1,139.7
New Albany		7.2	8.7	6.3	7.8	8.1	8.7	9.5
South Bend	27.2	35.9	99.2	100.9	128.4	120.8	144.1	161.6
Terre Haute				135.3	235.3	292.6	289.7	313.9
<b>Illinois</b>								296.9
Aurora			43.7	47.5	58.8	63.9	73.5	89.1
Bloomington	31.0	37.1	100.0	65.0	76.8	74.3	85.1	85.8
Chicago	14,031.3	15,404.2	32,845.6	27,102.2	30,899.7	31,180.7	34,728.0	35,292.3
Danville	23.2	25.6	47.8	143.5	166.6	39.7	40.1	
Decatur	24.6	22.3	82.0	57.2	65.3	69.9	78.3	70.2
Jacksonville	14.7	14.2	32.9	16.2	18.5	17.6	21.0	22.5
Peoria	156.5	155.1	289.2	176.9	204.4	233.4	258.7	266.4
Quincy	30.4	40.5	98.7	64.6	74.4	73.5	82.2	85.5
Rockford	39.9	47.4	136.9	95.1	116.7	127.9	140.9	170.4
Springfield	51.9	59.1	145.7	115.3	127.9	131.4	140.8	147.3
<b>Michigan:</b>								138.9
Adrian		2.9	14.2	10.8	11.0	11.9	12.9	12.6
Ann Arbor		12.2	31.2	33.9	40.1	44.2	49.6	58.4
Battle Creek					87.9	73.4	108.2	122.0
Detroit	886.1	1,358.1	5,063.2	5,074.3	6,448.1	7,219.6	8,015.3	8,894.5
Flint	23.3	28.6	148.1	79.7	103.4	120.8	128.6	145.0
Grand Rapids	136.4	169.1	378.1	313.5	332.4	347.2	383.2	430.6
Jackson	22.0	32.2	88.0	48.9	86.2	88.8	88.0	90.8
Lansing	14.7	39.4	99.7	115.2	113.5	128.5	145.3	146.5
Muskegon						42.6	40.1	67.8
Pontiac				7.5	9.4	26.3	35.2	50.5
<b>Wisconsin:</b>								
Green Bay					62.6	74.5	74.9	75.7
La Crosse					34.3	35.3	41.4	50.6
Madison				99.7	128.4	139.5	160.1	182.7
Milwaukee	648.2	820.4	1,704.8	1,512.2	1,818.4	1,897.8	2,033.3	2,166.5
Oshkosh		17.2	38.0	31.6	37.2	37.6	42.8	48.7
<b>Minnesota:</b>								51.7
Duluth	217.1	244.3	416.1	301.4	379.1	394.3	557.7	442.0
Fairbank				10.1	10.9	12.7	13.5	13.6
Minneapolis	1,178.6	1,327.1	3,522.0	3,266.6	3,678.2	3,614.0	4,601.4	4,273.8
Red Wing						10.9	11.7	12.3
Rochester			26.5	20.5	22.1	20.5	22.1	27.1
St. Paul	538.6	619.0	1,645.2	1,586.4	1,753.2	1,659.9	1,628.4	1,634.0
South St. Paul				74.6	77.3	64.6		102.9
Winona			35.0	26.9	31.8	27.9	31.2	31.2
<b>Iowa:</b>								26.1
Cedar Rapids	65.0	87.0	157.0	104.6	123.3	126.3	135.0	136.9
Charles City						13.0	12.0	11.4
Davidson	77.3	73.0	596.5	507.3	553.0	545.7	604.9	534.9
Des Moines	205.2	269.4	660.1	484.1	551.5	556.7	572.2	551.0
Fort Dodge								91.6
Iowa City		13.3	35.4	30.4	33.2	26.2	22.8	24.3
Mason City			37.7	26.1	28.7	27.1	24.1	
Muscatine			36.7					73.0
Blair City	150.9	163.4	541.1	275.4	318.9	329.4	366.6	352.6
Waterloo	44.8	60.2	109.8	67.2	75.2	77.0	72.8	67.0
<b>Missouri:</b>								65.0
Carthage						36.6	15.0	16.6
Joplin	12.1	40.7	97.0	61.6	74.9	75.1	89.6	95.6
Kansas City	2,618.7	3,615.5	12,318.9	6,728.3	7,009.9	6,474.1	6,967.5	7,238.7
St. Joseph	346.6	374.5	891.5	412.2	402.5	393.2	391.0	382.1
St. Louis	3,704.3	3,683.3	8,557.1	6,587.9	7,190.9	6,982.2	7,507.5	7,784.0
Springfield							100.0	90.8
<b>Western</b>	1,980.0	2,410.0	2,740.1	7,379.7	7,774.5	7,097.3	7,775.9	8,036.7
<b>North Dakota:</b>								7,844.5
Fargo	33.2	70.6	157.1	97.5	98.2	103.4	90.7	65.2
Grand Forks		19.8	88.5	57.6	95.4	79.1	76.0	70.8
Minot			20.0	15.5	10.2	8.0	9.4	11.2

<sup>1</sup> Nine months.

<sup>2</sup> Four and one-half months.

## No. 290.—CLEARING HOUSE EXCHANGES: AMOUNT OF CLEARINGS IN EACH CITY—Continued

[In millions and tenths of millions of dollars]

Division and city	1910	1915	1920	1922	1923	1924	1925	1926	1927
<b>South Dakota:</b>									
Aberdeen.....	26.6	32.0	93.7	62.1	66.4	66.4	77.6	71.2	68.2
Sioux Falls.....	47.6	51.9	189.2	130.0	151.7	68.5	58.9	74.1	85.2
Watertown.....						* 3.5	16.5	14.1	10.8
<b>Nebraska:</b>									
Fremont.....		20.7	42.4	19.7	21.7	21.0	22.6	19.8	20.4
Hastings.....		11.5	44.8	27.8	26.9	26.8	32.0	30.1	24.8
Lincoln.....	80.6	115.9	304.0	190.4	215.2	210.0	248.1	245.3	251.7
Omaha.....	824.0	934.6	3,207.3	2,058.0	2,133.2	1,973.6	2,152.0	2,141.7	2,081.4
<b>Kansas:</b>									
Atchison.....			45.4	23.9	25.3	22.1	19.9	18.5	18.3
Hutchison.....				75.6	72.1				
Kansas City.....			189.7	218.5	260.8	251.2	214.4	227.4	* 130.0
Lawrence.....		10.4	23.7	16.5	17.9	20.7	22.0	23.6	23.0
Manhattan.....				13.4	15.8	15.1	15.7	16.4	* 16.2
Parsons.....			24.1	14.9	15.2	12.8	11.5	11.8	9.7
Pittsburg.....		12.0	31.3	27.0	73.7	65.7	71.8	76.3	77.1
Topeka.....	67.3	78.8	185.6	142.2	163.8	156.7	176.4	179.4	* 171.1
Wichita.....	152.5	186.9	758.2	542.0	364.6	392.9	403.2	428.7	425.0
<b>Montana:</b>									
Billings.....		26.0	70.1	40.6	27.7	26.9	31.9	31.9	33.4
Great Falls.....			92.4	43.1	43.8	33.0	39.6	44.4	51.9
Helena.....	47.9	58.9	104.7	167.0	171.0	145.0	154.8	155.0	159.6
Lewistown.....			33.5	17.3	13.2		4.8	8.3	* 9.3
<b>Wyoming:</b>									
Casper.....								52.5	46.1
Cheyenne.....			86.8	66.4	79.5	67.4	31.7	30.3	32.0
<b>Colorado:</b>									
Colorado Springs.....	36.6	34.4	61.4	52.8	50.5	56.4	62.1	62.8	62.2
Denver.....	494.4	478.8	1,912.7	1,522.9	1,653.4	1,603.3	1,706.2	1,702.8	1,697.4
Grand Junction.....							27.3	42.2	41.7
Pueblo.....	31.4	28.1	49.0	39.0	44.6	48.0	57.4	61.7	67.6
<b>Oklahoma:</b>									
Bartlesville.....			59.8	34.1	38.5	34.4	35.5	36.0	42.3
McAlester.....			38.6	18.9	20.3	15.6	14.6	12.9	
Oklahoma City.....	120.5	128.5	869.6	1,083.7	1,166.5	1,170.8	1,420.2	1,554.3	1,530.4
Okmulgee.....					42.0	29.3	38.8		
Tulsa.....		69.7	654.2	365.4	447.6	347.7	409.5	495.8	592.2
<b>Pacific.....</b>	<b>5,422.2</b>	<b>6,112.0</b>	<b>20,554.4</b>	<b>18,790.7</b>	<b>22,922.0</b>	<b>24,648.4</b>	<b>26,148.6</b>	<b>29,164.8</b>	<b>29,070.4</b>
<b>Washington:</b>									
Bellingham.....			* 20.1		38.1	41.3	43.7	48.4	47.7
Seattle.....	616.8	602.7	2,160.3	1,618.4	1,869.4	2,042.0	2,126.0	2,360.3	2,338.0
Spokane.....	242.8	186.9	675.7	517.1	567.7	573.6	583.3	641.7	651.9
Yakima.....	23.0	20.0	93.5	74.6	67.5	67.2	78.6	82.7	73.9
<b>Oregon:</b>									
Eugene.....		7.0	17.7	14.8	19.3	22.1	26.1	28.3	26.8
Portland.....	495.7	545.3	1,907.7	1,563.5	1,790.8	1,926.6	1,961.9	2,108.8	2,005.6
<b>California:</b>									
Bakersfield.....		20.6	64.8	52.3	50.0	48.5	56.2	65.7	66.4
Berkeley.....			146.2	195.4	205.3	213.3	213.6	229.6	251.4
Fresno.....	36.3	51.8	273.2	* 139.0	245.0	206.4	190.7	226.6	229.2
Huntington Park.....						19.4	10.3	18.5	24.0
Long Beach.....		26.3	144.2	219.6	396.2	399.9	346.5	365.8	367.2
Los Angeles.....	777.2	1,027.1	3,639.6	4,850.1	6,555.1	7,295.0	7,645.3	8,757.0	9,254.6
Modesto.....			* 12.8	37.2	38.9	38.5	42.9	46.5	46.1
Oakland.....	140.2	175.8	538.2	644.3	780.8	828.5	1,000.2	1,111.8	974.8
Pasadena.....	* 30.7	41.8	112.4	187.7	249.1	294.3	305.2	327.2	349.1
Riverside.....			33.8	28.6	36.0	39.6	39.5	50.6	57.8
Sacramento.....	65.2	97.0	328.3	315.3	354.3	424.9	439.4	451.8	415.5
San Bernardino.....					74.9	96.0	95.8	103.7	118.8
San Diego.....	62.8	95.1	147.2	150.5	184.4	210.2	253.6	307.5	302.4
San Francisco.....	2,268.7	2,583.3	8,272.0	7,056.6	7,917.6	8,297.7	9,023.9	9,998.8	9,699.1
San Jose.....	28.1	34.5	122.3	109.8	127.6	121.0	139.4	157.4	150.6
Santa Barbara.....					56.3	62.0	66.5	78.9	74.3
Santa Monica.....		9.6	19.1	54.9	81.4	110.4	103.3	117.1	115.4
Santa Rosa.....		12.0		23.9	29.1	25.9	26.2	26.7	* 25.6
Stockton.....	31.6	48.2	363.5	151.8	137.3	134.9	143.7	151.6	143.7
Watsonville.....						9.6	13.2	16.6	15.9
<b>Idaho: Boise.....</b>	<b>41.4</b>	<b>40.2</b>	<b>101.7</b>		<b>56.5</b>	<b>55.9</b>	<b>55.2</b>	<b>58.9</b>	<b>* 60.9</b>
<b>Utah:</b>									
Ogden.....		47.0	132.1	75.1	70.8	77.4	76.7	87.7	83.7
Salt Lake City.....	334.1	326.3	913.2	650.3	763.4	801.7	888.8	936.0	910.0
<b>Nevada: Reno.....</b>	<b>13.9</b>	<b>14.9</b>	<b>45.7</b>	<b>31.1</b>	<b>34.9</b>	<b>33.2</b>	<b>34.2</b>	<b>36.1</b>	<b>35.6</b>
<b>Arizona: Phoenix.....</b>					<b>89.5</b>	<b>109.0</b>	<b>118.7</b>	<b>133.5</b>	<b>* 110.1</b>

\* Nine months.

\* From Commercial and Financial Chronicle.

\* Three months.

Source: Comptroller of the Currency, Treasury Department.

### No. 291.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES, BY DISTRICTS

[All figures in millions of dollars]

Year	Total	Total, excl. New York City	New York City	Boston district (11 cities)	New York district (7 cities)		Philadelphia district (10 cities)	Cleveland district (13 cities)	Richmond district (7 cities)
					Incl. New York	Excl. New York			
1919	455,294	211,173	244,119	25,898	250,880	6,761	19,496	23,559	8,611
1920	483,028	241,596	241,430	28,137	249,375	7,945	22,092	27,677	9,635
1921	390,036	191,941	207,095	21,736	213,211	6,816	18,690	21,105	8,235
1922	439,364	199,509	239,855	22,392	247,067	7,212	19,985	22,290	7,716
1923	463,726	225,330	238,396	24,851	246,493	8,097	22,301	26,140	8,301
1924	491,691	228,161	263,530	25,675	271,661	8,331	22,773	25,775	8,298
1925	570,064	256,690	313,374	29,014	322,843	9,469	25,253	28,726	9,193
1926	607,956	268,901	339,055	31,033	348,833	9,778	26,248	30,022	9,336
1927	672,903	282,345	391,558	33,566	401,819	11,260	27,291	32,180	9,230

Year	Atlanta district (15 cities)	Chicago district (21 cities)			St. Louis district (5 cities)	Minneapolis district (9 cities)	Kansas City district (15 cities)	Dallas district (10 cities)	San Francisco district (18 cities)
		Incl. Chicago	City of Chicago	Excl. Chicago					
1919	11,139	50,669	33,596	17,074	12,920	8,240	14,814	6,165	22,903
1920	12,812	59,060	37,954	21,112	13,542	8,903	16,324	7,240	28,726
1921	9,383	46,837	30,832	16,005	10,401	6,788	12,207	5,807	23,927
1922	9,579	49,304	32,331	16,973	10,939	6,971	12,550	6,010	24,562
1923	11,137	55,367	35,279	20,088	12,794	7,495	13,494	6,217	28,936
1924	11,721	55,995	35,723	20,272	12,812	8,240	12,778	6,227	29,535
1925	13,914	63,575	40,470	23,105	14,396	9,039	14,193	7,197	32,731
1926	14,264	67,217	42,839	24,378	14,741	8,301	14,824	7,474	35,663
1927	18,790	70,195	45,970	24,225	14,780	8,699	15,131	7,782	39,470

<sup>1</sup> Revised to include 8 banks in Houston, Tex., figures for which did not become available until 1927.

### No. 292.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES, BY MONTHS

[NOTE.—All figures in millions of dollars. For annual totals see Table 291]

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.	Oct.	Nov	Dec.
All districts:												
1920	45,367	35,788	43,431	41,644	39,257	40,347	39,868	36,275	37,378	41,028	39,696	42,948
1921	38,029	29,728	33,903	32,235	32,512	33,699	31,515	30,097	31,625	34,323	33,441	38,020
1922	34,944	30,585	36,932	36,368	37,976	39,236	36,056	34,136	35,768	40,746	36,160	40,437
1923	41,753	35,925	42,185	39,294	40,072	40,574	36,504	33,496	34,060	38,911	38,504	42,446
1924	41,498	37,398	40,739	39,519	40,044	40,230	40,131	38,692	38,972	43,118	41,893	49,157
1925 <sup>1</sup>	49,982	41,517	47,623	44,558	46,506	48,631	47,037	43,134	45,264	52,955	48,367	54,390
1926 <sup>1</sup>	54,145	44,915	56,464	51,837	48,020	50,662	50,959	47,011	46,954	52,535	47,384	57,070
1927	54,715	48,221	56,520	55,586	54,145	56,821	53,687	53,708	56,756	59,206	57,090	65,447
AD districts, excl. New York City.												
1920	21,731	17,734	21,146	20,324	19,676	20,541	20,805	18,004	19,779	20,891	19,525	20,540
1921	17,996	14,599	16,550	15,886	15,342	15,852	15,175	14,911	15,523	16,713	15,949	17,446
1922	16,879	14,042	16,535	15,671	16,322	17,173	16,343	15,849	16,553	18,423	17,133	19,586
1923	19,666	16,906	19,644	18,816	19,368	19,532	18,184	17,307	17,261	19,759	18,521	20,367
1924	19,384	17,512	19,193	18,865	18,639	18,304	18,602	17,776	18,238	20,912	18,846	21,830
1925 <sup>1</sup>	22,300	18,593	21,241	20,613	20,417	21,701	21,579	19,869	20,895	24,639	21,158	24,066
1926 <sup>1</sup>	23,607	20,102	23,459	22,537	21,449	22,466	23,306	20,778	21,336	23,780	21,564	24,493
1927	23,457	20,782	24,038	23,579	22,875	23,813	22,937	22,655	23,387	25,117	23,808	24,509
New York City												
1920	23,636	18,054	22,285	21,320	19,581	19,806	19,063	17,371	17,600	20,137	20,171	22,408
1921	20,033	15,130	17,353	16,349	17,171	17,755	16,340	15,186	16,103	17,610	17,492	20,575
1922	19,065	16,543	20,397	20,717	21,654	22,063	19,713	18,247	19,215	22,322	19,027	20,851
1923	22,067	19,019	22,541	20,479	20,704	21,041	18,321	16,169	16,790	19,152	9,983	22,061
1924	22,114	19,896	21,546	20,654	21,406	21,469	20,916	20,734	22,506	23,047	23,047	27,327
1925	27,682	22,924	26,382	25,945	26,179	26,930	25,458	23,265	24,369	28,916	27,009	30,313
1926	30,538	24,813	33,005	29,300	26,571	28,196	27,559	26,233	25,618	28,755	25,790	32,577
1927	31,258	27,439	34,192	32,007	31,270	33,008	30,750	31,653	33,369	34,091	33,282	38,938

<sup>1</sup> Revised to include 8 banks in Houston, Tex., figures for which did not become available until 1927.

Source of Tables 291 and 292: Federal Reserve Board.



# No. 298.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES

[NOTE.—All figures in thousands of dollars. For totals by districts see Table 201.]

District and city	1920	1921	1922	1923	1924	1925	1926	1927
<b>Boston district:</b>								
Bangor, Me.	192,662	168,193	179,868	168,889	166,928	180,784	184,790	
Boston, Mass.	20,777,406	16,831,158	17,947,997	18,768,819	21,500,358	23,450,044	25,239,872	
Fall River, Mass.	469,923	362,698	413,498	358,802	401,197	355,068	375,892	
Hartford, Conn.	1,292,173	1,144,067	1,314,454	1,448,554	1,504,894	1,081,623	2,235,740	
Holyoke, Mass.	219,033	171,088	210,546	182,264	199,189	196,335	243,482	
Lowell, Mass.	300,296	243,704	271,491	230,942	249,143	247,407	243,347	
New Bedford, Mass.	436,527	339,700	382,072	305,718	403,521	359,949	364,352	
New Haven, Conn.	1,024,168	901,221	1,050,074	1,067,027	1,164,391	1,205,812	1,289,211	
Providence, R. I.	2,061,311	1,638,782	1,826,384	1,804,486	1,983,935	1,958,125	1,978,129	
Waterbury, Conn.	381,423	340,148	394,833	402,559	454,530	468,859	488,003	
Worcester, Mass.	991,590	751,203	859,415	856,859	926,251	928,925	942,800	
<b>New York district:</b>								
Albany, N. Y.	1,168,920	1,251,316	1,239,989	1,410,232	1,543,708	1,008,214	1,758,067	
Binghamton, N. Y.	229,360	213,248	242,326	234,958	302,817	270,010	278,630	
Buffalo, N. Y.	3,425,541	3,144,934	3,024,583	3,629,966	4,209,160	4,322,152	4,437,429	
New York, N. Y.	241,420,619	239,854,582	238,396,345	263,530,627	313,373,420	339,055,248	391,557,894	
Passaic, N. J.	284,320	301,397	320,899	397,271	490,806	510,172	546,505	
Rochester, N. Y.	1,711,116	1,587,348	1,700,080	1,858,490	2,076,077	2,106,462	2,193,747	
Syracuse, N. Y.	925,391	714,406	819,802	801,674	888,123	960,889	1,046,387	
<b>Philadelphia district:</b>								
Altoona, Pa.	170,545	161,961	206,173	180,339	188,939	196,672	206,632	
Chester, Pa.	280,424	231,316	257,108	277,796	304,203	322,296	274,754	
Lancaster, Pa.	310,040	269,610	317,855	335,087	365,505	351,068	351,200	
Philadelphia, Pa.	18,518,447	16,767,254	18,443,004	18,841,362	21,109,373	21,937,562	22,840,461	
Scranton, Pa.	787,562	700,411	843,120	905,540	882,403	915,080	923,413	
Trenton, N. J.	644,604	615,107	711,767	755,483	820,307	870,808	905,187	
Wilkes-Barre, Pa.	456,484	419,720	523,957	585,617	589,314	564,859	586,586	
Williamsport, Pa.	224,166	210,078	216,733	200,028	214,069	229,647	249,492	
Wilmington, Del.	466,111	390,831	463,241	439,544	504,427	581,090	670,448	
York, Pa.	233,722	212,468	238,122	251,884	273,596	279,011	282,610	
<b>Cleveland district:</b>								
Akron, Ohio	1,258,426	683,070	868,181	878,495	1,080,926	1,129,931	1,218,121	
Cleveland, Ohio	9,179,547	6,588,425	7,774,461	7,587,696	8,359,158	9,067,908	9,793,218	
Columbus, Ohio	1,565,113	1,564,005	1,802,549	1,614,245	1,765,907	1,926,380	2,016,767	
Dayton, Ohio	628,670	675,948	833,511	815,713	935,532	1,058,475	1,131,846	
Eric, Pa.	409,607	314,826	345,864	377,635	411,849	433,512	435,097	
Greensburg, Pa.	283,605	226,344	257,483	266,073	250,302	249,306	270,275	
Lexington, Ky.	338,950	261,074	288,590	261,974	277,439	281,024	286,811	
Oil City, Pa.	172,018	152,532	157,883	157,703	178,922	171,643	185,890	
Pittsburgh, Pa.	10,714,279	8,702,747	10,096,679	10,139,606	11,315,514	11,342,163	12,272,919	
Springfield, Ohio	188,489	221,988	249,930	234,364	265,035	288,833	287,232	
Toledo, Ohio	1,642,174	1,842,319	2,131,875	2,108,366	2,493,929	2,637,377	2,846,653	
Wheeling, W. Va.	496,173	454,427	552,982	542,543	519,612	567,631	559,525	
Youngstown, Ohio	802,204	603,072	739,681	730,187	842,003	847,860	863,827	
<b>Richmond district:</b>								
Baltimore, Md.	5,599,429	4,317,812	4,523,898	4,526,648	5,072,348	5,204,962	5,051,802	
Charleston, S. C.	450,347	297,435	353,715	309,580	313,821	336,190	333,175	
Charlotte, N. C.	454,115	378,015	495,097	525,206	590,421	611,726	658,855	
Columbia, S. C.	155,653	201,690	265,983	251,723	236,744	229,122	280,914	
Norfolk, Va.	1,036,427	793,742	891,416	827,768	894,612	950,512	898,253	
Raleigh, N. C.	240,447	258,859	363,861	336,975	405,905	312,931	296,741	
Richmond, Va.	1,492,979	1,408,291	1,577,490	1,518,344	1,709,420	1,690,263	1,711,049	
<b>Atlanta district:</b>								
Atlanta, Ga.	1,612,619	1,331,366	1,603,408	1,699,121	1,905,259	1,961,241	1,885,003	
Augusta, Ga.	496,932	312,299	369,808	330,154	348,686	320,413	330,765	
Birmingham, Ala.	907,825	942,903	1,200,091	1,410,168	1,603,699	1,725,769	1,734,480	
Chattanooga, Tenn.	631,196	376,755	448,990	450,362	515,540	581,737	586,764	
Jacksonville, Fla.	24,420	563,109	652,256	729,892	1,187,764	1,341,312	1,046,787	
Knoxville, Tenn.	173,013	167,712	377,215	378,032	383,133	413,381	422,526	
Macon, Ga.	159,227	214,549	254,302	256,766	291,003	286,803	269,564	
Mobile, Ala.	465,752	313,451	355,098	342,126	422,615	406,888	482,093	
Montgomery, Ala.	264,652	251,692	259,945	262,491	291,874	287,620	314,340	
Nashville, Tenn.	1,508,417	764,684	876,248	885,537	977,788	1,002,589	1,090,140	
New Orleans, La.	4,214,12	3,272,271	3,562,409	3,881,804	4,314,471	4,140,406	4,189,404	
Pensacola, Fla.	122,269	74,692	86,353	85,698	106,779	107,871	95,838	
Savannah, Ga.	898,915	489,790	540,376	499,242	559,636	603,898	609,892	
Tampa, Fla.	328,949	269,752	377,353	440,355	503,806	521,229	579,000	
Vicksburg, Miss.	93,422	81,659	93,177	99,631	102,432	96,029	91,977	
<b>Chicago district:</b>								
Bay City, Mich.	180,147	121,162	127,677	135,957	158,477	161,918	157,439	
Bloomington, Ill.	159,094	120,730	136,739	136,493	154,584	165,652	157,279	
Chicago, Ill.	530,296	393,461	432,821	410,321	499,715	485,469	499,488	
Chicago, Ill.	37,954,234	32,341,033	35,278,972	33,722,697	40,499,587	42,839,340	45,989,594	
Davenport, Iowa	445,719	400,309	405,819	333,681	382,175	409,649	432,076	
Decatur, Ill.	216,831	164,813	181,090	191,091	232,494	240,327	248,346	
Des Moines, Iowa	1,144,891	829,363	976,062	1,025,463	894,146	973,272	985,334	
Detroit, Mich.	7,883,391	6,385,318	6,918,134	8,226,206	9,971,143	10,482,620	10,224,890	
Dubuque, Iowa	188,241	153,078	174,138	174,482	183,384	185,016	195,016	
Flint, Mich.	484,006	301,072	386,645	308,968	380,302	438,925	524,248	

\* Figures for 1920 revised and partly estimated.



## No. 293.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES—Continued

[NOTE.—All figures in thousands of dollars]

District and city	1920	1922	1923	1924	1925	1926	1927
<b>Chicago district—Contd.</b>							
Fort Wayne, Ind.....	410, 882	367, 999	471, 511	485, 251	521, 761	509, 622	516, 219
Grand Rapids, Mich.....	1, 152, 225	730, 131	800, 799	803, 173	1, 025, 741	1, 039, 941	995, 194
Indianapolis, Ind.....	2, 020, 113	1, 706, 295	1, 879, 856	1, 810, 715	1, 884, 465	2, 207, 379	2, 223, 446
Kalamazoo, Mich.....	277, 642	218, 338	249, 045	245, 154	273, 051	291, 984	306, 545
Lansing, Mich.....	318, 181	295, 734	416, 379	352, 477	403, 021	401, 563	384, 860
Milwaukee, Wis.....	3, 533, 357	2, 886, 023	3, 283, 479	3, 142, 048	3, 398, 187	3, 620, 309	3, 699, 524
Peoria, Ill.....	553, 495	429, 216	473, 606	487, 378	554, 405	570, 793	578, 443
Rockford, Ill.....	330, 425	238, 901	287, 731	293, 415	338, 775	381, 348	397, 620
Sioux City, Iowa.....	824, 921	770, 688	897, 911	934, 172	1, 033, 299	975, 990	867, 147
South Bend, Ind.....	243, 994	370, 267	470, 713	486, 686	594, 145	608, 035	587, 974
Waterloo, Iowa.....	217, 608	176, 669	217, 150	211, 339	221, 205	235, 965	244, 374
<b>St. Louis district:</b>							
Evansville, Ind.....	284, 243	341, 201	386, 964	354, 062	471, 892	492, 327	581, 347
Little Rock, Ark.....	534, 025	555, 454	731, 891	804, 897	884, 445	979, 253	954, 446
Louisville, Ky. <sup>1</sup> .....	2, 216, 619	1, 645, 388	1, 906, 292	1, 997, 570	2, 261, 672	2, 358, 164	2, 312, 038
Memphis, Tenn.....	1, 752, 855	1, 421, 832	1, 736, 010	1, 650, 011	1, 823, 107	1, 820, 660	1, 951, 777
St. Louis, Mo. <sup>2</sup> .....	8, 754, 680	6, 974, 782	8, 033, 198	8, 005, 676	8, 944, 353	9, 090, 123	8, 950, 873
<b>Minneapolis district:</b>							
Aberdeen, S. Dak.....	96, 853	66, 246	67, 251	72, 518	84, 357	80, 833	80, 919
Billings, Mont.....	122, 192	89, 221	97, 369	85, 950	91, 150	95, 129	99, 914
Duluth, Minn.....	1, 290, 691	884, 580	921, 119	1, 270, 450	1, 276, 935	954, 190	1, 111, 098
Fargo, N. Dak.....	176, 691	134, 913	147, 854	139, 310	172, 537	186, 238	187, 555
Grand Forks, N. Dak.....	92, 828	81, 011	94, 786	83, 814	101, 004	107, 714	99, 210
Helena, Mont.....	132, 105	118, 347	113, 380	114, 104	113, 588	108, 316	108, 963
Minneapolis, Minn.....	4, 649, 901	3, 608, 835	3, 884, 945	4, 408, 011	5, 069, 367	4, 683, 975	4, 837, 608
St. Paul, Minn. <sup>3</sup> .....	2, 231, 702	1, 900, 681	2, 071, 659	1, 973, 891	2, 037, 327	1, 986, 865	2, 073, 638
Superior, Wis.....	108, 757	87, 441	97, 107	92, 206	92, 906	97, 665	99, 421
<b>Kansas City district:</b>							
Albuquerque, N. Mex.....	99, 305	104, 827	113, 918	118, 339	121, 482	131, 660	143, 827
Bartlesville, Okla.....	189, 791	122, 459	138, 294	150, 623	192, 627	251, 343	285, 590
Colorado Springs, Colo.....	174, 580	139, 181	149, 946	154, 677	185, 398	181, 399	180, 986
Denver, Colo.....	2, 442, 695	1, 798, 059	1, 950, 808	1, 977, 495	2, 129, 530	2, 158, 931	2, 119, 269
Joplin, Mo.....	186, 130	130, 617	167, 920	172, 979	210, 386	221, 601	229, 736
Kansas City, Kans.....	214, 068	189, 935	239, 263	233, 568	237, 155	244, 679	245, 810
Kansas City, Mo.....	4, 705, 696	3, 678, 656	4, 175, 688	4, 035, 748	4, 464, 668	4, 632, 785	4, 655, 692
Muskogee, Okla. <sup>4</sup> .....	301, 397	207, 678	297, 634	150, 701	153, 617	145, 441	144, 550
Oklahoma City, Okla.....	1, 250, 704	1, 058, 961	939, 220	913, 254	1, 036, 215	1, 134, 339	1, 262, 498
Omaha, Nebr.....	3, 021, 586	2, 136, 945	2, 455, 733	2, 206, 802	2, 437, 068	2, 386, 855	2, 408, 161
Pueblo, Colo.....	269, 197	220, 464	210, 287	232, 237	246, 177	247, 221	267, 550
St. Joseph, Mo.....	1, 000, 868	828, 418	739, 371	730, 410	741, 838	748, 425	681, 572
Topeka, Kans.....	255, 758	170, 812	189, 123	185, 100	211, 492	211, 886	230, 193
Tulsa, Okla.....	1, 459, 597	1, 186, 223	1, 181, 952	1, 009, 053	1, 268, 675	1, 531, 833	1, 577, 466
Wichita, Kans.....	720, 821	531, 711	544, 354	507, 678	556, 804	595, 560	698, 000
<b>Dallas district:</b>							
Austin, Tex.....	192, 258	172, 306	204, 377	218, 162	248, 812	237, 920	237, 857
Beaumont, Tex.....	245, 701	174, 366	195, 197	199, 298	213, 753	258, 931	287, 533
Dallas, Tex.....	2, 206, 548	1, 866, 604	2, 075, 688	2, 178, 745	2, 526, 514	2, 542, 055	2, 620, 379
El Paso, Tex.....	493, 154	372, 997	365, 589	399, 156	397, 427	381, 488	384, 759
Fort Worth, Tex.....	1, 320, 491	1, 322, 954	1, 033, 370	861, 661	908, 663	1, 018, 412	1, 138, 679
Houston, Tex.....	1, 910, 331	1, 344, 023	1, 480, 155	1, 509, 352	<sup>1</sup> 1, 984, 152	<sup>2</sup> 2, 115, 726	2, 185, 862
Shreveport, La.....	447, 549	384, 572	422, 932	428, 033	474, 165	483, 902	468, 195
Texarkana, Tex.....	111, 429	85, 153	114, 233	102, 672	113, 343	125, 578	126, 278
Tucson, Ariz.....	84, 571	86, 982	92, 441	101, 600	108, 890	109, 203	111, 224
Waco, Tex.....	227, 992	199, 764	233, 559	228, 282	220, 969	201, 442	220, 970
<b>San Francisco district:</b>							
Boise, Idaho.....	169, 431	146, 908	150, 090	140, 490	150, 888	162, 573	169, 192
Fresno, Calif.....	631, 892	607, 904	613, 329	399, 658	467, 681	484, 921	495, 143
Long Beach, Calif.....	284, 262	423, 127	710, 405	606, 797	572, 134	590, 910	580, 190
Los Angeles, Calif.....	5, 243, 280	6, 211, 953	8, 419, 245	8, 920, 586	9, 458, 160	10, 475, 497	11, 198, 616
Oakland, Calif.....	1, 213, 444	1, 088, 090	1, 450, 856	1, 480, 933	1, 719, 992	2, 065, 255	2, 697, 247
Ogden, Utah.....	229, 032	259, 999	346, 023	286, 212	320, 143	249, 248	226, 068
Pasadena, Calif.....	286, 056	304, 771	378, 873	387, 113	416, 687	444, 509	481, 058
Portland, Oreg.....	2, 362, 515	1, 651, 666	1, 866, 952	1, 942, 037	1, 998, 793	2, 194, 628	2, 046, 249
Reno, Nev.....	151, 562	125, 470	125, 066	96, 279	103, 925	111, 065	113, 848
Sacramento, Calif.....	798, 791	755, 989	537, 606	520, 376	438, 395	394, 125	479, 753
Salt Lake City, Utah.....	948, 169	702, 190	766, 343	779, 765	865, 292	865, 016	861, 867
San Diego, Calif.....	426, 320	469, 185	553, 377	579, 627	668, 989	770, 819	743, 282
San Francisco, Calif.....	11, 367, 533	8, 637, 960	9, 481, 864	9, 767, 847	11, 496, 447	12, 598, 476	15, 051, 901
Seattle, Wash.....	2, 376, 669	1, 806, 614	2, 050, 664	2, 166, 877	2, 424, 900	2, 550, 986	2, 615, 826
Spokane, Wash.....	684, 639	532, 401	598, 105	566, 919	626, 986	670, 003	668, 485
Stockton, Calif.....	296, 066	265, 050	298, 618	286, 302	317, 434	324, 934	342, 611
Tacoma, Wash.....	589, 057	445, 683	464, 884	480, 286	524, 438	547, 658	538, 559
Yakima, Wash.....	167, 601	127, 345	123, 559	127, 091	159, 988	162, 071	159, 767

<sup>1</sup> Figures for Louisville and St. Louis, 1920, and St. Paul, 1920 to 1922, revised and partly estimated.<sup>2</sup> Figures for Muskogee prior to December, 1923, include debits to accounts of banks.<sup>3</sup> Includes debits of \$64,250,000 for June-December, 1927, of 10 banks not reporting until June, 1927.<sup>4</sup> Revised to include 8 banks, figures for which did not become available until 1927.

Source: Federal Reserve Board.

No. 294.—BROKERS' LOANS OUTSTANDING EACH MONTH, 1926 AND 1927

[NOTE.—Figures cover net loans obtained by New York Stock Exchange members on collateral contracted for and carried in New York]

[All figures in millions of dollars]

Date	Total	Demand loans	Time loans	Date	Total	Demand loans	Time loans
1926				1927			
Jan. 30.....	3, 513	2, 517	996	Jan. 31.....	3, 139	2, 328	810
Feb. 27.....	3, 536	2, 495	1, 041	Feb. 28.....	3, 256	2, 475	781
Mar. 31.....	3, 000	2, 033	967	Mar. 31.....	3, 290	2, 505	785
Apr. 30.....	2, 836	1, 970	866	Apr. 30.....	3, 341	2, 541	800
May 28.....	2, 767	1, 987	780	May 31.....	3, 458	2, 674	784
June 30.....	2, 926	2, 225	701	June 30.....	3, 569	2, 757	812
July 31.....	2, 998	2, 283	715	July 30.....	3, 642	2, 765	877
Aug. 31.....	3, 142	2, 364	778	Aug. 31.....	3, 674	2, 746	928
Sept. 30.....	3, 219	2, 419	800	Sept. 30.....	3, 915	3, 108	897
Oct. 31.....	3, 111	2, 289	822	Oct. 31.....	3, 946	3, 023	923
Nov. 30.....	3, 129	2, 330	800	Nov. 30.....	4, 092	3, 134	958
Dec. 31.....	3, 293	2, 542	751	Dec. 31.....	4, 433	3, 481	952

Source: Commercial and Financial Chronicle.

No. 295.—INCREASE OR DECREASE IN GOLD UNDER EARMARK FOR FOREIGN ACCOUNT IN THE UNITED STATES, 1921 TO 1927

[NOTE.—All figures in thousands of dollars. There has been a certain amount of gold under earmark since 1916, but complete figures for years prior to 1921 have not yet been published]

Month	1921	1922	1923	1924	1925	1926	1927
Total.....	+22, 000	—3, 700	+700	—42, 213	+32, 244	—26, 297	—100, 153
January.....	+3, 900	.....	—1, 629	.....	—810	—6, 043	+19, 487
February.....	—1, 990	.....	+4, 329	+593	—1, 366	—11, 000	+3, 180
March.....	.....	.....	.....	—2, 452	—6, 825	—22, 988	—1, 502
April.....	.....	.....	+1, 000	—558	+14, 850	.....	—1, 000
May.....	.....	.....	.....	+1, 000	+12, 725	.....	—95, 000
June.....	—3, 000	.....	.....	+2, 000	+5, 075	—580	—500
July.....	+5, 000	.....	—1, 500	—2, 583	—3, 901	+4, 000	+184
August.....	.....	.....	.....	—7, 984	+8, 725	+19, 200	—2, 501
September.....	+10, 000	.....	+500	—13, 229	+901	—2, 400	—9, 000
October.....	+8, 000	—1, 500	—2, 000	—17, 000	+2, 870	4	—25, 001
November.....	.....	—200	.....	—500	+2, 000	—7, 498	—40, 000
December.....	.....	—2, 000	.....	—1, 500	—2, 000	+1, 008	—3, 500

Source: Federal Reserve Board.

## 12. WEALTH

Data in this section relate to continental United States

### No. 296.—ESTIMATED NATIONAL WEALTH OF THE UNITED STATES: TOTAL, 1850 TO 1922, AND BY CLASSES OF PROPERTY, 1900 TO 1922

[NOTE.—Estimates of national wealth for the earlier censuses were not made by precisely the same methods used more recently and are not closely comparable. Changes in buying power of money, as indicated by levels of prices and wages, materially affect the comparisons]

[All figures, except per capita, in millions of dollars]

Year	Amount (millions of dollars)			Amount per capita (dollars)		
	Total	Taxable	Exempt	Total	Taxable	Exempt
1850.....	7, 136	7, 136	-----	308	308	-----
1860.....	16, 160	16, 160	-----	514	514	-----
1870 (currency basis).....	30, 069	30, 069	-----	780	780	-----
1870 (gold basis).....	24, 055	24, 055	-----	624	624	-----
1880.....	43, 642	41, 642	<sup>1</sup> 2, 000	870	830	40
1890.....	65, 037	61, 204	3, 833	1, 036	975	61
1900.....	88, 517	82, 305	6, 213	1, 165	1, 083	82
1904.....	107, 104	100, 273	6, 831	1, 318	1, 234	84
1912.....	<sup>2</sup> 186, 300	<sup>2</sup> 173, 986	12, 314	1, 950	1, 820	129
1922.....	320, 804	300, 298	20, 506	2, 918	2, 731	186

Form of wealth	1900	1904	1912	1922
Grand total.....	88, 517	107, 104	<sup>3</sup> 186, 300	320, 804
Real estate, plant and equipment, total.....	69, 848	83, 801	141, 700	239, 408
Real property taxed.....	46, 325	55, 510	<sup>4</sup> 96, 923	155, 909
Real property exempt.....	6, 213	6, 831	12, 314	20, 506
Livestock.....	3, 306	4, 074	6, 238	5, 807
Farm implements and machinery.....	750	845	1, 368	2, 005
Gold and silver coin and bullion.....	1, 677	1, 999	2, 617	4, 278
Manufacturing machinery, tools, etc.....	2, 541	3, 298	6, 091	15, 783
Railroads and their equipment.....	9, 036	11, 245	16, 149	19, 951
Motor vehicles.....	-----	-----	-----	4, 567
Transportation and transmission enterprises (except railroads) total,.....	3, 496	4, 841	10, 965	15, 414
Street railways.....	1, 576	2, 220	4, 597	4, 878
Telegraph systems.....	212	227	223	204
Telephone systems.....	400	586	1, 081	1, 746
Pullman and other private cars not owned by railroads.....	99	123	123	545
Pipe lines.....	-----	-----	-----	500
Shipping and canals.....	538	846	<sup>5</sup> 1, 491	<sup>6</sup> 2, 951
Irrigation enterprises.....	-----	-----	361	-----
Privately owned waterworks.....	268	275	290	361
Privately owned central electric light and power stations.....	403	563	2, 099	4, 229
All other, total.....	15, 174	13, 462	34, 334	75, 984
Agricultural products.....	1, 455	1, 809	5, 240	5, 466
Manufactured products.....	6, 087	7, 409	14, 694	28, 423
Imported merchandise.....	425	496	827	1, 549
Mining products.....	327	408	816	730
Clothing and personal ornaments.....	2, 000	2, 500	4, 295	39, 816
Furniture, carriages, etc.....	4, 880	5, 750	8, 463	

<sup>1</sup> From page 11, 1880 volume, Valuation, Taxation, and Public Indebtedness.

<sup>2</sup> Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma.

<sup>3</sup> Includes \$402,000,000 value of ships belonging to the United States Navy.

<sup>4</sup> Includes \$1,446,000,000 value of ships belonging to the United States Navy.

Source: Bureau of the Census, Department of Commerce.

## No. 297.—WEALTH; ESTIMATES FOR EACH GEOGRAPHIC

[NOTE.—See headnotes, Tables 295 and 296. For totals see Table 298. For assessed value

[All figures in thou

Division and State	Real property and improvements		Livestock		Farm implements and machinery		Manufacturing machinery, tools, and implements	
	1912	1922	1912	1922	1912	1922	1912	1922
United States.....	109,236,926	179,414,444	6,235,389	5,807,104	1,968,250	2,504,833	6,061,451	15,793,960
<b>New England.....</b>	<b>7,948,943</b>	<b>13,173,909</b>	<b>152,412</b>	<b>147,823</b>	<b>58,648</b>	<b>69,704</b>	<b>769,480</b>	<b>2,007,639</b>
Maine.....	485,859	1,019,946	32,745	32,987	15,628	20,830	69,941	148,382
New Hampshire.....	335,212	664,968	16,015	16,588	6,020	6,911	38,562	116,706
Vermont.....	253,994	395,370	30,651	35,296	10,695	17,605	19,089	47,350
Massachusetts.....	4,118,210	7,156,110	43,149	35,082	12,111	13,775	377,873	1,040,430
Rhode Island.....	600,747	912,419	8,875	5,261	1,684	1,887	93,860	211,406
Connecticut.....	1,452,015	3,024,483	22,977	22,608	7,310	9,025	167,156	437,195
<b>Middle Atlantic.....</b>	<b>30,315,702</b>	<b>41,523,594</b>	<b>519,255</b>	<b>464,645</b>	<b>177,795</b>	<b>279,728</b>	<b>1,094,416</b>	<b>5,326,850</b>
New York.....	16,910,263	20,757,824	263,578	225,149	89,173	134,379	613,601	2,133,897
New Jersey.....	3,856,915	5,850,567	45,848	37,872	13,865	18,028	203,506	999,080
Pennsylvania.....	9,548,524	14,914,123	209,827	203,524	74,686	127,321	877,219	2,193,873
<b>East North Central.....</b>	<b>23,748,448</b>	<b>37,400,645</b>	<b>1,301,591</b>	<b>1,194,889</b>	<b>266,228</b>	<b>533,319</b>	<b>1,415,943</b>	<b>4,313,865</b>
Ohio.....	5,173,708	10,170,297	273,612	248,248	54,181	86,177	423,068	1,330,529
Indiana.....	2,957,807	4,654,789	227,006	203,370	43,723	80,833	178,365	473,498
Illinois.....	10,046,320	12,568,726	386,701	319,023	79,474	159,567	451,299	1,194,793
Michigan.....	3,067,379	5,790,479	164,783	167,484	54,141	84,200	199,260	831,778
Wisconsin.....	2,503,172	4,210,354	229,489	256,164	57,700	122,652	163,225	482,967
<b>West North Central.....</b>	<b>18,690,887</b>	<b>29,199,775</b>	<b>1,838,987</b>	<b>1,664,077</b>	<b>408,948</b>	<b>645,787</b>	<b>363,455</b>	<b>981,781</b>
Minnesota.....	3,391,615	5,204,206	217,832	228,685	56,775	132,862	83,646	241,494
Iowa.....	5,111,230	7,173,551	401,614	466,802	102,981	226,773	58,520	143,628
Missouri.....	3,264,069	5,706,306	308,101	248,056	55,328	98,586	125,038	333,027
North Dakota.....	1,261,388	1,625,963	125,614	98,225	49,878	94,095	5,245	9,470
South Dakota.....	639,662	2,072,618	145,815	152,592	38,101	85,646	6,044	11,046
Nebraska.....	2,316,850	3,530,655	265,474	250,865	48,112	104,500	35,084	86,808
Kansas.....	2,705,483	3,706,474	284,537	218,852	52,074	104,275	49,876	126,296
<b>South Atlantic.....</b>	<b>7,586,393</b>	<b>16,662,387</b>	<b>455,664</b>	<b>507,101</b>	<b>107,213</b>	<b>189,118</b>	<b>545,736</b>	<b>1,162,166</b>
Delaware.....	172,148	328,375	8,795	7,238	3,417	4,910	16,694	52,065
Maryland.....	1,345,484	1,968,289	45,904	42,821	12,509	20,007	85,043	219,387
District of Columbia.....	902,024	1,274,899	1,795	542	84	66	13,796	22,097
Virginia.....	1,176,104	2,772,373	85,954	92,653	19,757	35,370	66,657	164,146
West Virginia.....	1,399,190	3,250,693	55,993	58,043	7,406	13,156	60,272	119,953
North Carolina.....	700,300	2,371,365	85,068	103,397	20,316	33,653	85,120	238,327
South Carolina.....	506,607	1,189,944	61,304	61,927	15,605	32,945	98,943	132,579
Georgia.....	904,984	1,654,736	106,429	101,764	23,177	39,908	90,429	159,411
Florida.....	420,484	1,551,713	34,422	38,716	4,942	8,696	28,791	74,181
<b>East South Central.....</b>	<b>3,381,832</b>	<b>6,923,148</b>	<b>439,418</b>	<b>397,499</b>	<b>80,864</b>	<b>137,296</b>	<b>324,839</b>	<b>459,293</b>
Kentucky.....	1,139,434	1,664,930	136,524	112,090	21,962	34,593	41,219	97,806
Tennessee.....	831,914	2,469,378	126,176	115,059	22,504	42,982	60,550	145,206
Alabama.....	933,661	1,416,872	66,921	84,718	17,613	26,821	65,250	160,960
Mississippi.....	476,623	1,136,959	89,796	85,632	16,775	32,900	35,120	55,242
<b>West South Central.....</b>	<b>7,227,378</b>	<b>11,047,963</b>	<b>722,173</b>	<b>587,968</b>	<b>128,079</b>	<b>227,326</b>	<b>250,665</b>	<b>519,270</b>
Arkansas.....	890,977	1,467,157	68,302	74,514	18,487	36,264	30,525	48,628
Louisiana.....	1,028,989	1,531,235	64,773	65,511	17,065	28,139	58,307	94,146
Oklahoma.....	1,699,348	2,072,955	174,194	120,136	30,404	57,031	21,965	97,857
Texas.....	3,608,064	5,972,606	394,904	327,807	62,123	105,892	109,868	266,339
<b>Mountain.....</b>	<b>2,769,847</b>	<b>6,777,184</b>	<b>460,556</b>	<b>514,601</b>	<b>65,555</b>	<b>145,823</b>	<b>163,747</b>	<b>296,728</b>
Montana.....	450,272	223,935	91,706	98,904	17,913	45,353	6,199	48,628
Idaho.....	143,301	298,175	38,398	70,411	11,912	30,635	18,596	34,723
Wyoming.....	99,261	269,746	54,435	59,682	4,126	8,124	3,044	29,410
Colorado.....	1,223,512	1,758,446	88,060	100,664	14,401	35,059	91,354	86,808
New Mexico.....	4,057	440,772	5,004	47,068	4,717	6,806	3,665	4,735
Arizona.....	163,409	815,595	43,991	57,858	1,982	6,365	12,610	36,302
Utah.....	376,006	795,047	39,302	53,055	4,777	6,493	24,491	50,507
Nevada.....	196,107	277,469	29,651	27,159	714	2,828	3,786	6,313
<b>Pacific.....</b>	<b>8,289,266</b>	<b>13,707,532</b>	<b>319,338</b>	<b>327,902</b>	<b>72,872</b>	<b>174,290</b>	<b>369,471</b>	<b>726,030</b>
Washington.....	1,888,850	3,257,209	68,242	60,918	18,798	40,410	111,049	203,644
Oregon.....	1,163,594	2,099,511	74,362	75,176	14,545	31,242	38,108	83,651
California.....	5,236,822	8,360,722	175,732	191,108	39,529	102,632	220,314	438,775

<sup>1</sup> Not distributed by States in 1922; total \$4,276,155,000.<sup>2</sup> Not shown separately in 1912.<sup>3</sup> Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma.<sup>4</sup> Includes \$402,352,000 value of ships belonging to the United States Navy and \$290,000,000 value of privately owned water-supply systems not distributed by States.

## DIVISION AND STATE, BY CLASSES OF TANGIBLE PROPERTY

Value of property subject to general property tax in 1926, by States, see Table 218, p. 214

[made of dollars]

Gold and silver coin and bullion <sup>1</sup>	Railroads and their equipment		Motor vehicles <sup>2</sup>	Street railways, shipping, waterworks, etc.		All other		Division and State
	1912	1923 (revised)		1912	1923	1912	1923	
2, 618, 643	18, 148, 582	19, 960, 900	4, 567, 407	10, 965, 207	11, 414, 447	34, 534, 291	30, 261, 793	United States.
168, 884	612, 008	759, 784	299, 461	697, 812	963, 968	2, 247, 249	6, 872, 673	New England.
14, 779	97, 342	119, 253	35, 044	77, 912	96, 371	223, 533	533, 638	Maine
8, 023	85, 204	104, 699	18, 380	31, 073	42, 521	137, 796	403, 272	New Hampshire.
6, 300	43, 895	53, 953	16, 170	20, 642	43, 621	117, 352	232, 675	Vermont
101, 876	213, 277	268, 013	146, 249	348, 842	530, 638	1, 165, 798	3, 784, 842	Massachusetts.
13, 608	28, 277	34, 671	25, 297	53, 772	85, 130	187, 678	668, 495	Rhode Island
23, 606	145, 897	179, 075	58, 321	135, 571	205, 787	415, 192	1, 349, 951	Connecticut
899, 263	1, 199, 418	1, 314, 682	624, 672	2, 792, 250	4, 277, 011	2, 612, 296	21, 051, 284	Middle Atlantic.
632, 555	1, 206, 211	1, 479, 682	384, 113	1, 787, 202	2, 594, 070	3, 961, 420	9, 326, 138	New York
54, 897	434, 037	532, 293	132, 323	302, 215	414, 776	999, 917	3, 809, 280	New Jersey
211, 751	1, 550, 150	1, 902, 737	308, 136	702, 633	1, 268, 165	3, 050, 961	7, 918, 866	Pennsylvania.
498, 784	1, 184, 542	1, 989, 211	1, 151, 480	2, 038, 017	2, 782, 670	7, 144, 772	17, 478, 225	East North Central.
112, 275	821, 906	1, 009, 197	324, 733	584, 793	754, 071	1, 679, 758	4, 560, 300	Ohio
57, 445	644, 519	790, 298	176, 518	286, 587	358, 930	963, 428	2, 091, 690	Indiana.
205, 185	942, 118	1, 221, 143	292, 664	748, 713	962, 090	2, 640, 355	5, 494, 828	Illinois
63, 658	455, 261	571, 827	216, 492	268, 201	442, 679	1, 004, 709	3, 299, 922	Michigan
50, 201	320, 718	396, 746	141, 083	146, 743	225, 930	856, 522	2, 030, 185	Wisconsin
285, 899	2, 715, 449	3, 333, 141	768, 598	843, 083	1, 968, 565	5, 469, 953	7, 984, 238	West North Central.
51, 532	449, 603	554, 570	141, 553	231, 846	285, 818	949, 426	1, 758, 738	Minnesota.
49, 566	476, 208	583, 887	183, 655	133, 832	246, 588	1, 285, 015	1, 484, 848	Iowa.
93, 140	490, 477	612, 795	145, 789	267, 557	404, 419	1, 115, 248	2, 342, 431	Missouri.
12, 454	249, 183	305, 530	36, 036	17, 052	34, 387	392, 126	264, 066	North Dakota.
12, 335	187, 282	229, 631	46, 076	25, 802	37, 190	272, 174	291, 167	South Dakota.
30, 458	310, 268	380, 413	95, 067	79, 476	110, 217	635, 104	761, 550	Nebraska.
36, 418	543, 436	666, 315	120, 422	87, 468	150, 016	620, 890	1, 081, 438	Kansas.
226, 712	1, 731, 558	2, 134, 773	396, 355	680, 870	1, 069, 314	3, 283, 351	7, 028, 243	South Atlantic.
3, 636	17, 876	21, 919	8, 916	20, 411	26, 630	61, 639	175, 692	Delaware.
28, 723	149, 116	183, 100	61, 561	165, 625	257, 354	403, 079	1, 238, 211	Maryland
8, 779	17, 315	21, 231	19, 996	64, 168	77, 745	163, 754	280, 694	Dist of Columbia.
37, 637	408, 626	501, 972	63, 113	103, 842	178, 308	503, 635	1, 063, 429	Virginia.
23, 590	357, 238	441, 524	41, 297	67, 306	133, 219	456, 936	619, 935	West Virginia.
37, 637	204, 606	251, 694	67, 779	44, 410	81, 257	507, 962	1, 395, 438	North Carolina.
25, 507	130, 569	160, 166	35, 098	55, 766	83, 227	366, 736	708, 969	South Carolina.
45, 623	246, 422	319, 619	53, 489	129, 509	169, 070	616, 460	1, 096, 762	Georgia.
15, 090	189, 773	233, 548	44, 106	29, 283	62, 406	205, 150	427, 125	Florida.
149, 235	867, 937	1, 092, 809	170, 182	304, 181	491, 510	1, 945, 457	3, 318, 858	East South Central.
41, 650	256, 492	314, 731	57, 337	91, 800	161, 468	547, 922	939, 377	Kentucky
39, 088	216, 745	269, 323	50, 784	118, 787	148, 390	477, 855	957, 179	Tennessee
28, 212	240, 980	293, 534	13, 496	65, 269	138, 895	537, 315	841, 718	Alabama
30, 306	173, 711	213, 021	28, 596	28, 275	42, 757	382, 365	580, 584	Mississippi.
178, 407	1, 331, 078	1, 625, 144	349, 397	346, 690	780, 984	3, 037, 450	4, 742, 847	West South Central.
27, 064	226, 202	278, 425	31, 302	32, 908	60, 687	407, 436	588, 360	Arkansas.
32, 739	215, 562	294, 484	38, 439	93, 342	145, 488	449, 035	1, 151, 418	Louisiana.
34, 256	359, 550	441, 267	89, 928	68, 416	171, 752	749, 411	942, 901	Oklahoma.
81, 240	519, 764	640, 968	189, 731	171, 954	325, 077	1, 431, 568	2, 030, 468	Texas.
69, 651	1, 430, 949	1, 635, 809	180, 400	564, 615	868, 090	1, 140, 075	3, 173, 268	Mountain.
11, 119	256, 561	318, 903	23, 308	106, 010	111, 834	196, 976	351, 934	Montana.
7, 758	130, 449	159, 946	19, 934	95, 201	53, 633	113, 480	266, 184	Idaho.
3, 503	104, 966	128, 700	11, 397	26, 724	25, 039	68, 561	124, 641	Wyoming.
23, 696	297, 625	364, 963	59, 893	197, 642	143, 465	379, 022	680, 094	Colorado.
6, 647	169, 032	207, 669	9, 184	18, 070	16, 471	10, 929	118, 880	New Mexico.
4, 729	85, 631	105, 831	13, 736	37, 963	30, 469	86, 474	248, 336	Arizona.
9, 360	144, 270	177, 314	18, 575	57, 094	101, 497	139, 908	329, 989	Utah.
2, 531	140, 425	172, 202	4, 373	24, 921	20, 162	64, 725	53, 210	Nevada.
153, 397	1, 189, 806	1, 465, 987	447, 979	1, 339, 167	1, 439, 436	2, 051, 656	5, 235, 269	Pacific.
35, 600	316, 244	390, 042	79, 904	227, 342	247, 806	516, 733	842, 416	Washington
25, 140	293, 002	365, 252	59, 373	145, 747	184, 070	302, 941	540, 184	Oregon
92, 447	573, 560	710, 573	317, 695	966, 098	1, 067, 560	1, 231, 982	3, 852, 669	California.

<sup>1</sup> Includes \$1,445,992,000 value of ships belonging to the United States Navy and \$360,885,000 privately owned water-supply systems not distributed by States.<sup>2</sup> Includes \$4,278,156,000 value of gold and silver coin and bullion not distributed by States.

Source: Bureau of the Census, Department of Commerce.

# No. 298.—WEALTH: ESTIMATED VALUE OF ALL TANGIBLE PROPERTY SITUATED IN EACH GEOGRAPHIC DIVISION AND STATE

[NOTE.—See headnote to Table 296. This table shows, not the value of property owned by the citizens of each State, but that of the physical property lying in each State wherever the securities or other evidences of title representing it may be found or owned. The per capita figures thus do not represent the average wealth of the citizens of each State]

Division and State	Amount (millions of dollars)						Total amount per capita (dollars)				
	Total					Taxable 1922					
	1890	1900	1904	1912 <sup>1</sup>	1922 <sup>1</sup>		1890	1900	1904	1912	1922
United States.....	65,037	88,517	107,104	186,300	320,804	300,398	1,036	1,165	1,318	1,950	2,918
<b>New England</b> .....	5,323	7,763	8,823	11,918	24,415	22,558	1,111	1,386	1,498	1,761	3,186
Maine.....	489	682	776	1,018	2,007	1,919	740	982	1,066	1,351	2,586
New Hampshire.....	325	472	517	658	1,374	1,283	863	1,147	1,214	1,513	3,074
Vermont.....	266	330	360	505	842	799	799	960	1,035	1,407	2,399
Massachusetts.....	2,804	4,359	4,956	8,381	12,961	11,895	1,262	1,554	1,672	1,827	3,243
Rhode Island.....	504	711	799	966	1,925	1,814	1,459	1,658	1,702	1,737	3,086
Connecticut.....	835	1,199	1,413	2,370	5,286	4,842	1,119	1,320	1,453	2,041	3,614
<b>Middle Atlantic</b> .....	18,213	24,564	29,478	47,901	77,883	71,338	1,877	1,569	1,763	2,574	3,352
New York.....	8,577	12,506	14,769	25,064	37,035	33,019	1,430	1,720	1,868	2,694	3,436
New Jersey.....	1,445	2,734	3,236	6,011	11,794	11,170	1,000	1,461	1,547	2,240	3,524
Pennsylvania.....	6,191	9,315	11,473	16,226	28,834	27,169	1,177	1,478	1,707	2,036	3,187
<b>East North Central</b> .....	15,041	19,662	23,991	39,808	68,823	65,516	1,117	1,230	1,416	2,112	2,063
Ohio.....	3,951	5,019	5,947	9,123	18,489	17,553	1,076	1,207	1,367	1,861	3,048
Indiana.....	2,095	2,607	3,106	5,259	8,830	8,337	656	1,036	1,174	1,954	2,942
Illinois.....	5,067	6,977	8,817	15,500	22,233	21,191	1,324	1,447	1,680	2,663	3,295
Michigan.....	2,085	2,654	3,282	5,296	11,405	10,890	1,001	1,096	1,297	1,828	2,699
Wisconsin.....	1,833	2,406	2,839	4,328	7,866	7,545	1,087	1,163	1,292	1,808	2,887
<b>West North Central</b> .....	10,314	12,785	16,850	30,610	44,019	44,080	1,149	1,322	1,646	2,567	3,568
Minnesota.....	1,692	2,514	3,344	6,432	8,546	8,237	1,300	1,435	1,729	2,520	3,442
Iowa.....	2,287	3,368	4,048	7,709	10,512	10,197	1,196	1,509	1,828	3,485	4,274
Missouri.....	2,398	3,244	3,760	5,724	9,962	9,612	895	1,044	1,147	1,717	2,903
North Dakota.....	237	542	736	2,113	2,467	2,167	1,844	1,099	1,771	3,329	3,692
South Dakota.....	425	553	660	1,527	2,926	2,744	1,293	1,376	1,530	2,125	4,492
Nebraska.....	1,276	1,626	2,009	3,721	5,320	5,128	1,205	1,325	1,682	3,049	4,004
Kansas.....	1,799	1,938	2,253	4,560	6,264	6,995	1,261	1,318	1,468	2,632	3,495
<b>South Atlantic</b> .....	5,133	6,679	7,937	14,589	24,189	27,962	879	840	716	1,159	2,006
Delaware.....	176	212	230	305	626	588	1,043	1,146	1,204	1,478	2,728
Maryland.....	1,065	1,317	1,512	2,236	3,991	3,742	1,041	1,109	1,213	1,694	2,965
District of Columbia.....	344	929	1,040	1,172	1,697	1,219	1,481	3,332	3,491	3,416	3,879
Virginia.....	862	1,102	1,288	2,402	4,692	4,542	521	594	666	1,140	2,050
West Virginia.....	439	660	840	2,428	4,678	4,446	575	688	810	1,897	3,040
North Carolina.....	584	682	842	1,685	4,543	4,381	361	300	420	740	1,703
South Carolina.....	401	485	586	1,201	2,405	2,269	348	362	414	811	1,395
Georgia.....	852	936	1,168	2,163	3,897	3,726	464	422	493	802	1,306
Florida.....	390	356	431	937	2,440	2,329	995	673	729	1,167	2,358
<b>East South Central</b> .....	3,187	3,554	4,365	7,411	12,990	12,348	488	484	536	861	1,437
Kentucky.....	1,172	1,305	1,528	2,277	3,582	3,401	631	636	675	961	1,459
Tennessee.....	898	957	1,104	1,884	4,228	3,975	502	473	520	848	1,773
Alabama.....	623	775	965	2,015	3,002	2,891	412	424	494	913	1,244
Mississippi.....	454	557	688	1,235	2,178	2,081	352	359	416	667	1,216
<b>West South Central</b> .....	3,364	4,533	5,768	13,909	19,881	18,837	691	897	796	1,422	1,857
Arkansas.....	455	604	804	1,722	2,600	2,520	403	461	560	1,054	1,439
Louisiana.....	495	815	1,032	1,090	3,417	3,237	443	590	694	1,158	1,855
Oklahoma.....	* 208	* 812	* 1,095	* 3,116	3,993	3,627	* 860	* 1,027	* 1,092	1,644	1,864
Texas.....	2,106	2,322	2,837	6,379	9,851	9,453	942	762	841	1,561	2,010
<b>Mountain</b> .....	2,927	3,244	3,973	8,565	12,906	10,455	2,250	1,925	2,228	3,312	3,435
Montana.....	453	614	746	1,133	2,223	1,990	3,429	2,523	2,633	2,792	3,091
Idaho.....	208	278	343	579	1,534	1,258	2,404	1,708	1,795	1,598	3,301
Wyoming.....	170	281	330	356	976	650	2,796	3,041	3,297	2,253	4,643
Colorado.....	1,146	938	1,207	2,315	3,230	2,860	2,780	1,738	2,046	2,702	3,245
New Mexico.....	232	298	332	498	852	737	1,507	1,374	1,597	1,388	2,249
Arizona.....	189	263	306	457	1,314	1,158	3,168	2,140	2,230	2,652	3,512
Utah.....	349	413	488	796	1,536	1,361	1,681	1,491	1,609	2,016	2,247
Nevada.....	180	191	221	454	542	441	3,941	4,503	5,214	5,903	6,998
<b>Pacific</b> .....	3,685	4,633	6,019	13,777	23,573	21,865	2,076	2,917	2,990	3,003	3,934
Washington.....	761	782	1,052	3,183	5,122	4,696	2,177	1,509	1,806	2,444	3,000
Oregon.....	590	633	852	2,057	3,419	3,059	1,482	1,530	1,846	2,816	4,182
California.....	2,634	3,218	4,115	8,537	15,032	14,050	2,097	2,167	2,582	3,312	4,007

<sup>1</sup> Total differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma. Includes \$402,000,000 value of ships belonging to the United States Navy and \$290,000,000 value of privately owned water-supply systems not distributed by States. Items for geographic divisions and States differ from estimate as published in 1912 because of redistribution of railroad values in accordance with the method employed in 1922.

<sup>2</sup> Total includes \$1,446,000,000 value of ships belonging to the United States Navy, \$361,000,000 privately owned water-supply systems, and \$4,278,000,000 gold and silver coin and bullion not distributed by States.

<sup>3</sup> Includes Indian Territory.

<sup>4</sup> Differs from estimate as published in 1912 because of revision of estimate for taxed real property.

Source: Bureau of the Census, Department of Commerce.



# 13. BUSINESS FINANCE

[Foreign Exchange Rates—Interest Rates—Insurance—Capital Issues—Stock Exchange Transactions—  
Wholesale and Retail Trade—Commercial Failures]

## No. 299.—FOREIGN EXCHANGE RATES ON CABLE TRANSFERS, NEW YORK

Country	Monetary unit	Mint par	Yearly average rate in dollars						
			1921	1922	1923	1924	1925	1926	1927
North America:			<i>Dollars</i>						
Canada.....	Dollar.....	1. 0000	0. 8955	0. 9848	0. 9804	0. 9873	0. 9996	0. 9999	0. 9997
Cuba.....	Peso.....	1. 0000		. 9985	. 9995	. 9998	. 9994	. 9993	. 9997
Mexico <sup>1</sup> .....	do.....	. 4985	. 4891	. 4872	. 4855	. 4851	. 4939	. 4831	. 4720
South America:									
Argentina.....	Peso (gold).....	. 9648	. 7300	. 8182	. 7857	. 7813	. 9138	. 9215	. 9630
Brazil.....	Milreis.....	. 3244	. 1312	. 1295	. 1023	. 1094	. 1220	. 1444	. 1184
Chile.....	Peso <sup>2</sup> .....	. 1217	. 1206	. 1222	. 1224	. 1054	. 1160	. 1208	. 1207
Colombia <sup>1</sup> .....	do.....	. 9733	. 8809	. 9239	. 9518	. 9917	. 9835	. 9845	. 9769
Peru <sup>1</sup> .....	Libra.....	4. 8665	3. 600	3. 860	4. 110	4. 050	4. 021	3. 7410	3. 7377
Uruguay <sup>1</sup> .....	Peso.....	1. 0342	. 6861	. 7940	. 7906	. 8227	. 9840	1. 0147	1. 0134
Venezuela <sup>1</sup> .....	Bolivar.....	. 1930	. 1656	. 1838	. 1894	. 1923	. 1929	. 1926	. 1898
Europe:									
Austria <sup>1,3</sup> .....	Schilling <sup>3</sup> .....	. 1407	. 00170	. 00098	. 00001	. 00001	. 1406	. 1407	. 1408
Belgium.....	Belga <sup>4</sup> .....	. 1390	. 07446	. 07683	. 05219	. 04644	. 04758	. 03265	. 1392
Bulgaria <sup>1</sup> .....	Lev.....	. 1930	. 00887	. 00688	. 00684	. 00728	. 00732	. 00721	. 00724
Czechoslovakia <sup>1</sup> .....	Koruna <sup>5</sup> .....	. 0296	. 0126	. 02415	. 02955	. 02954	. 02966	. 02962	. 02962
Denmark.....	Krone.....	. 2680	. 1780	. 2095	. 1836	. 1672	. 2113	. 2623	. 2673
Finland <sup>1</sup> .....	Markka.....	. 0252	. 0192	. 02163	. 02683	. 02508	. 02522	. 02521	. 02520
France.....	Franc.....	. 1930	. 07455	. 08201	. 06081	. 05237	. 04767	. 03243	. 03924
Germany.....	Reichsmark <sup>7</sup> .....	. 2382	. 01205	. 00232	. 00002	( <sup>7</sup> )	. 2380	. 2380	. 2376
Great Britain.....	Pound.....	4. 8665	3. 8491	4. 4292	4. 5748	4. 4171	4. 8289	4. 8582	4. 8610
Greece <sup>1</sup> .....	Drachma.....	. 1930	. 0647	. 03306	. 01714	. 01790	. 01561	. 01258	. 01317
Hungary <sup>1</sup> .....	Pengo <sup>8</sup> .....	. 1749	. 00253	. 00091	. 00016	. 00002	. 00001	. 1756	. 1747
Italy.....	Lira.....	. 1930	. 04294	. 04756	. 04602	. 04358	. 03978	. 03889	. 05156
Netherlands.....	Florin.....	. 4020	. 3365	. 3850	. 3910	. 3821	. 4016	. 4010	. 4011
Norway.....	Krone.....	. 2680	. 1491	. 1750	. 1667	. 1394	. 1788	. 2233	. 2605
Poland <sup>1</sup> .....	Zloty <sup>9</sup> .....	. 1122	. 00079	. 000188	. 000014	( <sup>9</sup> )	. 1774	. 1118	. 1129
Portugal <sup>1</sup> .....	Escudo.....	1. 0805	. 0975	. 06670	. 04253	. 03385	. 05040	. 05125	. 05029
Rumania <sup>1</sup> .....	Leu.....	. 1930	. 0125	. 00697	. 00494	. 00498	. 00483	. 00462	. 00604
Spain.....	Peseta.....	. 1930	. 1353	. 1548	. 1445	. 1334	. 1434	. 1490	. 1706
Sweden.....	Krona.....	. 2680	. 2254	. 2617	. 2655	. 2652	. 2685	. 2676	. 2681
Switzerland.....	Franc.....	. 1930	. 1735	. 1907	. 1806	. 1822	. 1933	. 1931	. 1926
Yugoslavia <sup>1</sup> .....	Dinar.....	. 1930	. 0237	. 01352	. 01072	. 01282	. 01705	. 01765	. 01760
Asia:									
Hong Kong.....	Dollar.....	<sup>10</sup> . 4777		. 5571	. 5290	. 5247	. 5652	. 5333	. 4921
China.....	Shanghai tael.....	<sup>10</sup> . 6685	. 7078	. 7493	. 7202	. 7268	. 7577	. 6842	. 6210
Do.....	Mexican dollar.....	<sup>10</sup> . 4811		. 5463	. 5202	. 5236	. 5555	. 4992	. 4503
India.....	Rupee.....	. 3650	. 2622	. 2874	. 3111	. 3178	. 3626	. 3633	. 3631
Japan.....	Yen.....	. 4985	. 4825	. 4780	. 4858	. 4119	. 4104	. 4712	. 4741
Straits Settlements. <sup>1</sup>	Singapore dollar.....	. 5678	. 4546	. 5078	. 5350	. 5125	. 5615	. 5627	. 5606

<sup>1</sup> Data for 1921 and also for 1922-1925 for Colombia, Peru, and Venezuela compiled by the Bureau of Foreign and Domestic Commerce from various sources.

<sup>2</sup> Quotations prior to 1926 are for the paper peso (1913 average, 19.53 cents). Beginning 1926, the currency was reestablished on a gold basis, the peso being devaluated to 12.17 cents.

<sup>3</sup> Quotations for 1921 to 1924 are for the krone, par 20.26 cents.

<sup>4</sup> Quotations prior to 1927 are for the franc (par 19.3 cents). The belga, which is equal to 5 francs, superseded the Belgian franc Oct. 26, 1926, and was quoted at par during November and December, 1926.

<sup>5</sup> Nominal par value, 20.26 cents. Stabilized in March, 1925, at 2.96 cents.

<sup>6</sup> The pre-war par of the markka was 19.3 cents. In 1926 it was devaluated to a new gold parity of 2.52 cents.

<sup>7</sup> Prior to 1924 quotations are for paper marks (see monthly rates in Table 300). The rate of exchange of paper marks for the first 10 months of 1924 was approximately steady at from 22 to 24 cents per trillion (1,000,000,000,000) marks. The new paper reichsmark currency issued beginning in the latter part of 1924 was thereafter quoted substantially at par (23.82 cents).

<sup>8</sup> Prior to 1926, quotations are for the paper krone (par 20.26 cents). On Jan. 1, 1926, this was superseded by the pengo valued at 17.49 cents and exchangeable for 12,500 paper kronen.

<sup>9</sup> Prior to 1924, quotations are for Polish marks, par 23.82 cents; thereafter for the zloty. The average rate for January to April, 1924, was 11.3 cents per million marks; for June to December, 19.23 cents for one zloty. The par value of the zloty when adopted as the currency unit in 1924 was fixed at 19.3 cents, but in October, 1927, it was stabilized at 11.22.

<sup>10</sup> 1913 average; varies with the price of silver, the standard of value.

Source: Federal Reserve Board, except as noted.



## No. 300.—FOREIGN EXCHANGE RATES, NEW YORK, BY MONTHS

[NOTE.—For par of exchange of monetary units and yearly average rates see Table 299]

	Canada (dollar)	Mexico (peso)	Argen- tina (peso)	Brazil (milreis)	Chile (peso)	Belgium (belga)	France (franc)	German (reichs- mark)
1920:	Dollars	Dollar	Dollar	Dollar	Dollar	Dollar	Dollar	Dollar
March	0.8038		0.9841	0.2660	0.2140	0.0746	0.0719	0.0126
June	.8819		.9610	.2510	.1899	.0830	.0792	.0256
September	.9087		.8457	.1829	.1679	.0716	.0674	.0172
December	.8632		.7873	.1526	.1422	.0624	.0592	.0137
1921:								
March	.8781		.7820	.1513	.1476	.0735	.0703	.0160
June	.8876		.6986	.1165	.1066	.0803	.0807	.0144
September	.8985	0.4860	.6963	.1237	.1071	.0717	.0728	.0096
December	.9277	.4842	.7480	.1267	.1078	.0764	.0784	.0053
1922:								
March	.9686	.4929	.8278	.1367	.1141	.0842	.0900	.0086
June	.9884	.4848	.8186	.1372	.1264	.0823	.0876	.0032
September	.9903	.4830	.8108	.1254	.1373	.0723	.0766	.00068
December	.9945	.4845	.8657	.1195	.1341	.0664	.0723	.00014
1923:								
March	.9806	.4886	.8415	.1109	.1267	.0848	.0832	.00006
June	.9766	.4837	.8047	.1043	.1340	.0840	.0830	.000010
September	.9766	.4857	.7485	.0973	.1238	.0490	.0586	.0188
December	.9759	.4850	.7233	.0934	.1066	.0458	.0525	.000227
1924:								
January	.9736	.4807	.7365	.1085	.1086	.0418	.0467	.000226
February	.9694	.4622	.7645	.1196	.1013	.0384	.0442	.000218
March	.9690	.4623	.7655	.1145	.0977	.0357	.0466	.000220
April	.9609	.4627	.7480	.1123	.1054	.0623	.0616	.000220
May	.9630	.4623	.7463	.1105	.1097	.0486	.0679	.000223
June	.9644	.4622	.7369	.1075	.1060	.0456	.0525	.000234
July	.9926	.4660	.7412	.0992	.1011	.0456	.0512	.000229
August	.9985	.4690	.7666	.0992	.1000	.0302	.0546	.000238
September	.9904	.4696	.8002	.1009	.1044	.0494	.0530	.000238
October	.9907	.4686	.8355	.1122	.1105	.0480	.0523	.000238
November	.9909	.4676	.8549	.1147	.1127	.0482	.0528	.2380
December	.9965	.4681	.8632	.1151	.1133	.0497	.0540	.2380
1925:								
January	.9969	.4668	.9106	.1172	.1135	.0506	.0539	.2380
February	.9966	.4627	.9033	.1127	.1064	.0506	.0528	.2380
March	.9987	.4674	.8971	.1104	.1110	.0507	.0518	.2380
April	.9994	.4687	.9686	.1063	.1117	.0505	.0519	.2380
May	1.0000	.4990	.9024	.1031	.1140	.0502	.0516	.2380
June	1.0000	.4966	.9133	.1089	.1132	.0470	.0477	.2380
July	1.0003	.4908	.9175	.1136	.1.69	.0462	.0470	.2380
August	1.0003	.4958	.9170	.1213	.1191	.0453	.0469	.2380
September	.9999	.4935	.9171	.1352	.1202	.0440	.0471	.2380
October	1.0009	.4917	.9336	.1481	.1206	.0453	.0443	.2380
November	1.0008	.4879	.9444	.1461	.1219	.0453	.0346	.2381
December	.9996	.4875	.9421	.1417	.1216	.0453	.0374	.2381
1926:								
January	.9960	.4850	.9413	.1484	.1204	.0454	.0377	.2380
February	.9965	.4850	.9327	.1475	.1212	.0454	.0368	.2381
March	.9963	.4856	.9033	.1449	.1208	.0423	.0354	.2380
April	1.0004	.4866	.9079	.1401	.1212	.0377	.0339	.2380
May	1.0007	.4828	.9131	.1468	.1204	.0312	.0310	.2380
June	1.0010	.4885	.9190	.1552	.1204	.0296	.0294	.2380
July	1.0013	.4887	.9235	.1559	.1205	.0242	.0247	.2380
August	1.0014	.4878	.9190	.1537	.1212	.0275	.0283	.2381
September	1.0014	.4873	.9220	.1519	.1213	.0272	.0265	.2381
October	1.0007	.4805	.9275	.1398	.1210	.0278	.0294	.2380
November	1.0013	.4720	.9239	.1297	.1205	.1391	.0342	.2375
December	.9993	.4667	.9328	.1185	.1204	.1391	.0395	.2380
1927:								
January	.9984	.4763	.9590	.1168	.1202	.1391	.0390	.2372
February	.9984	.4707	.9472	.1184	.1200	.1390	.0392	.2370
March	.9990	.4701	.9596	.1185	.1200	.1390	.0391	.2371
April	1.0009	.4687	.9617	.1180	.1203	.1390	.0392	.2370
May	1.0007	.4659	.9620	.1181	.1202	.1390	.0392	.2369
June	.9994	.4642	.9644	.1180	.1202	.1390	.0392	.2369
July	.9985	.4654	.9655	.1179	.1202	.1390	.0391	.2374
August	.9984	.4739	.9684	.1162	.1203	.1391	.0392	.2379
September	1.0005	.4772	.9712	.1186	.1207	.1392	.0392	.2380
October	1.0011	.4767	.9716	.1192	.1217	.1393	.0392	.2386
November	1.0014	.4791	.9705	.1193	.1218	.1395	.0393	.2386
December	.9990	.4845	.9723	.1197	.1221	.1399	.0394	.2389

1 See note 2, Table 299.

2 Quotations prior to November, 1926, are for the franc. See note 4, Table 299.

3 Quotations prior to November, 1924, are for paper marks, par, 90.2382.

4 Per million marks.

5 Per billion marks.

## No. 300.—FOREIGN EXCHANGE RATES, NEW YORK, BY MONTHS—Continued

	Great Britain (pound)	Italy (lira)	Netherlands (florin)	Spain (peseta)	Sweden (krona)	China, (Shanghai tael)	India (rupee)	Japan (yen)	Straits Settle- ments (Singapore dollar)
<b>1920:</b>	<i>Dollars</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollars</i>	<i>Dollar</i>	<i>Dollar</i>	<i>Dollar</i>
March.....	3.7258	0.0532	0.3679	0.1760	0.2037	1.4870	0.4780	0.4751	-----
June.....	3.9498	.0591	.3614	.1656	.2183	1.0605	.4100	.5141	-----
September.....	3.5103	.0434	.3169	.1476	.2021	1.0690	.3361	.5141	-----
December.....	3.4924	.0349	.3095	.1307	.1959	.7883	.2690	.5035	-----
<b>1921:</b>									
March.....	3.9111	.0385	.3440	.1397	.2283	.6423	.2595	.4859	-----
June.....	3.7815	.0498	.3328	.1308	.2256	.6635	.2455	.4797	-----
September.....	3.7240	.0420	.3166	.1302	.2178	.7300	.2639	.4820	0.4246
December.....	4.1561	.0444	.3631	.1465	.2453	.7532	.2745	.4792	.4686
<b>1922:</b>									
March.....	4.3757	.0511	.3785	.1565	.2616	.7075	.2782	.4735	.4953
June.....	4.4519	.0496	.3871	.1569	.2581	.7903	.2891	.4775	.5114
September.....	4.4307	.0427	.3879	.1530	.2646	.7701	.2874	.4810	.5164
December.....	4.6098	.0503	.3984	.1564	.2695	.7104	.3065	.4885	.5301
<b>1923:</b>									
March.....	4.6957	.0486	.3949	.1547	.2660	.7553	.3157	.4846	.5481
June.....	4.6147	.0457	.3920	.1492	.2656	.7217	.3099	.4905	.5385
September.....	4.5422	.0444	.3930	.1358	.2655	.7079	.3060	.4862	.5319
December.....	4.3601	.0434	.3804	.1304	.2633	.7225	.3101	.4701	.5085
<b>1924:</b>									
January.....	4.2591	.0434	.3735	.1275	.2618	.7027	.3045	.4490	.5035
February.....	4.3077	.0435	.3742	.1274	.2618	.7120	.3032	.4543	.5056
March.....	4.2906	.0428	.3707	.1273	.2629	.7000	.2986	.4290	.5028
April.....	4.3513	.0444	.3719	.1364	.2638	.6974	.3040	.4093	.5050
May.....	4.3608	.0444	.3741	.1380	.2650	.7088	.3058	.4019	.5053
June.....	4.3199	.0433	.3744	.1346	.2654	.7137	.3049	.4108	.5019
July.....	4.3704	.0430	.3794	.1330	.2660	.7167	.3125	.4135	.5052
August.....	4.4995	.0444	.3880	.1341	.2661	.7333	.3226	.4126	.5176
September.....	4.4605	.0438	.3845	.1324	.2660	.7527	.3252	.4060	.5151
October.....	4.4870	.0435	.3910	.1340	.2661	.7698	.3369	.3879	.5183
November.....	4.6097	.0433	.4005	.1360	.2681	.7630	.3439	.3852	.5311
December.....	4.6958	.0430	.4042	.1396	.2695	.7547	.3529	.3844	.5399
<b>1925:</b>									
January.....	4.7817	.0417	.4041	.1418	.2695	.7534	.3571	.3845	.5531
February.....	4.7724	.0411	.4017	.1422	.2694	.7526	.3573	.3908	.5534
March.....	4.7763	.0407	.3992	.1422	.2695	.7336	.3567	.4097	.5510
April.....	4.7953	.0410	.3995	.1429	.2694	.7323	.3560	.4176	.5542
May.....	4.8547	.0407	.4018	.1453	.2675	.7426	.3623	.4191	.5637
June.....	4.8604	.0383	.4014	.1457	.2676	.7609	.3648	.4083	.5658
July.....	4.8596	.0367	.4010	.1451	.2686	.7656	.3661	.4108	.5663
August.....	4.8569	.0366	.4024	.1441	.2687	.7729	.3662	.4099	.5670
September.....	4.8465	.0406	.4021	.1439	.2682	.7847	.3663	.4075	.5659
October.....	4.8428	.0399	.4020	.1435	.2679	.7790	.3660	.4097	.5651
November.....	4.8459	.0400	.4023	.1425	.2675	.7582	.3662	.4233	.5663
December.....	4.8498	.0403	.4019	.1418	.2679	.7568	.3664	.4319	.5663
<b>1926:</b>									
January.....	4.8579	.0404	.4018	.1415	.2678	.7475	.3669	.4417	.5662
February.....	4.8634	.0403	.4008	.1410	.2678	.7374	.3676	.4540	.5663
March.....	4.8608	.0402	.4007	.1409	.2681	.7271	.3658	.4539	.5663
April.....	4.8622	.0402	.4013	.1429	.2679	.7087	.3618	.4664	.5655
May.....	4.8615	.0387	.4020	.1453	.2676	.7178	.3626	.4695	.5620
June.....	4.8661	.0366	.4018	.1576	.2680	.7217	.3629	.4685	.5621
July.....	4.8634	.0335	.4018	.1572	.2680	.7130	.3629	.4707	.5621
August.....	4.8586	.0330	.4011	.1529	.2677	.6869	.3636	.4780	.5615
September.....	4.8542	.0367	.4007	.1522	.2675	.6660	.3633	.4840	.5607
October.....	4.8503	.0412	.4000	.1510	.2673	.5998	.3615	.4866	.5607
November.....	4.8488	.0421	.3999	.1515	.2669	.5943	.3603	.4907	.5596
December.....	4.8512	.0444	.3999	.1524	.2672	.5897	.3605	.4894	.5594
<b>1927:</b>									
January.....	4.8526	.0434	.3999	.1603	.2671	.6167	.3642	.4881	.5596
February.....	4.8503	.0432	.4000	.1678	.2669	.6378	.3630	.4884	.5596
March.....	4.8540	.0451	.4001	.1741	.2675	.6050	.3630	.4914	.5596
April.....	4.8565	.0502	.4000	.1764	.2678	.6201	.3614	.4837	.5595
May.....	4.8570	.0540	.4012	.1759	.2675	.6217	.3623	.4706	.5599
June.....	4.8561	.0558	.4005	.1720	.2678	.6274	.3620	.4669	.5598
July.....	4.8551	.0545	.4006	.1709	.2678	.6228	.3611	.4713	.5596
August.....	4.8602	.0544	.4007	.1690	.2682	.6038	.3613	.4733	.5597
September.....	4.8635	.0544	.4008	.1715	.2688	.6121	.3634	.4682	.5599
October.....	4.8697	.0546	.4019	.1725	.2692	.6183	.3641	.4657	.5603
November.....	4.8740	.0545	.4036	.1694	.2692	.6327	.3645	.4598	.5607
December.....	4.8825	.0538	.4044	.1666	.2700	.6379	.3674	.4619	.5673

Source: The Federal Reserve Board.

**No. 301.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS, AND ACCEPTANCES, NEW YORK**

[NOTE.—Rates shown are the range (low and high) for the quarter or month based on weeks ending Saturday, in the case of call money and time loans, and weeks ending various days in the case of acceptances, a week falling in 2 months being included in the month having the greater number of days; thus, week ending Feb. 3 would be included in January]

Year, quarter, and month	Call money	Time loans		Year and month	Call money	Time loans		Bankers' accept- ances (90 days)
		60 to 90 days <sup>1</sup>	Six months			60 to 90 days <sup>1</sup>	Six months	
1913								
Jan.-Mar.	2-6	3-6	4-6	January	6-7	6-7½	6-8	5-6½
Apr.-June	1-7	3-5	4-6	February	6-9	6-7	6-7	5-6
July-Sept.	1-4½	2-5	4-6	March	6-7	6-7½	7-7½	5-6
Oct.-Dec.	2-10	4-6	4-5½	April	5-7	6-7	6-7½	5-5½
1914								
Jan.-Mar.	1-10	2½-5	3-5	May	6-7½	6-8½	6-7	5-6
Apr.-June	1-2	2-3½	2-3½	June	5-8	6-7	6-7½	5-6
July-Sept.	1-10	2-10	3-8	July	3-6½	5-6	5-6	5-5½
Oct.-Dec.	2-8	2-10	3-7	August	4-6	5-6½	5-6½	5-5½
1915								
Jan.-Mar.	1-3	2-4½	3-4	September	4-6	5-6	3-6	4-5
Apr.-June	1-2½	2-3½	2-3½	October	4-6	5-6½	5-5½	4-4½
July-Sept.	1-2	2-3½	3-3	November	4-6	5-5½	5-5½	4-4½
Oct.-Dec.	1-2½	2-3	2-3½	December	4-6	4-5½	4-5½	4-4½
1916								
Jan.-Mar.	1-3	2-3½	2-3½	1922				
Apr.-June	1-4	1-4	3-4	January	3-6	4-5	4-5	3-4½
July-Sept.	2-6	2-4	3-6	February	4-6	4-5	4-5½	4-4½
Oct.-Dec.	1-15	2-4½	3-4½	March	3-5½	4-5	4-5	3-4½
1917								
Jan.-Mar.	1-3½	2-4½	2-5	April	3-5	4-4½	4-4½	3-3½
Apr.-June	2-6	2-6	4-6	May	3-6	4-4	4-4	3-3
July-Sept.	1-10	3-6	4-6	June	2-5½	3-4	3-4	2-3
Oct.-Dec.	2-6	5-6	5-6	July	2-5	3-4	3-4	3-3
1918								
Jan.-Mar.	2-7½	5-6	5-6	August	3-5	3-4	4-4	3-3
Apr.-June	2-6	5-6	5-6	September	3-6	4-4	4-5	3-3
July-Sept.	3-6	6-6	5-6	October	4-6	4-5	4-5	3-4
Oct.-Dec.	3-6	6-6	5-6	November	3-6	4-5	5	4-4
1919								
January	2-6	5-5½	5-5½	December	3-6	4-5	4-5	4-4
February	4-7	5-5½	5-5½	1923				
March	3-6	5-5½	5-5½	January	3-5½	4-5	4-5	4-4
April	4-6	5-5½	5-5½	February	4-6	4-5½	4-5½	4-4
May	3-7½	5-5	5-5	March	4-6	5-5	5-5	4-4
June	4-15	5-6	5-6	April	4-6	5-5½	5-5½	4-4
July	5-20	6-8	6-8	May	4-6	5-5	5-5	4-4
August	3-8	5-7	5-7	June	4-6	4-5½	5-5½	4-4
September	4-9	5-6	5-6	July	4-6	5-5	5-5	4-4
October	4-20	5-8	5-7	August	4-6	5-5	5-5	4-4
November	2-30	6-8	6-8	September	3-6	5-5	5-5	4-4
December	5-18	6-8	6-8	October	4-6	5-5	5-5	4-4
1920								
January	6-25	7-8½	7-8½	November	4-5½	5-5	5-5	4-4
February	6-25	7-10	7-9	December	4-6	5-5½	5-5½	4-4
March	3-15	8-9½	7-9	1924				
April	6-15	8-9	7-9	January	3-5½	4-5	4-5	4-4
May	6-12	8-9	8-9	February	4-5½	4-5	4-5	4-4
June	6-14	8-9	8-9	March	2-5	4-5	4-5	3-4
July	5-20	6-9	6-9	April	3-5	4-4½	4-4½	4-4
August	6-10	8-9	8-9	May	3-5½	4-4	4-4	3-3
September	6-10	7-9	7-9	June	2-4½	3-4	3-4	2-2
October	6-16	6-8½	6-8½	July	2-3	2-3	3-3	2-2
November	5-10	7-8½	7-8½	August	2	2-3	3-3	2-2
December	6-7	7-8	7-8½	September	2-3	2-3½	3-3	2-2
1925								
January	2-5	3-3½	3-4	October	2-3	2-3	3-3	2-2
February	3-5	3-4	3-4	November	2-4	2-3½	3-3½	2-2
March	3-5	3-4	4-4	December	2-5	3-3½	3-4	2-3
April	3-5	3-4	4-4	1925				
May	3-4	3-4	3-4	January	2-5	3-3½	3-4	3-3
June	3-5	3-4	3-4	February	3-5	3-4	3-4	3-3
July	3-6	4-4	4-4	March	3-5	3-4	4-4	3-3
August	3-4½	4-4	4-4	April	3-5	3-4	4-4	3-3
September	3-5	4-4	4-4	May	3-4	3-4	3-4	3-3
October	4-5½	4-5	4-5	June	3-5	3-4	3-4	3-3
November	4-5	4-5	5	July	3-6	4-4	4-4	3-3
December	4-5	4-5	4-5	August	3-4½	4-4	4-4	3-3

<sup>1</sup> For the week ended Jan. 14, 1918, to the week ended May 12, 1919, time loans were for 30 to 90 days, and from the latter date to the week ended Oct. 13, 1919, time on loans not specified

<sup>2</sup> Last half of December

Source: Call money and time loans, 1913, from the financial editors, New York Times. 1914 to 1924, The Analyst, acceptance rates, Acceptance Bulletin of the American Acceptance Council.

**No. 309.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS, AND ACCEPTANCES, NEW YORK, WEEKLY RANGE**

[NOTE.—Rates shown are the range, low and high, for weeks ending on date shown in the stub]

Year and week	Call money	Time loans		Bankers' acceptances (90 days)	Year and week	Call money	Time loans		Bankers' acceptances (90 days)		
		60 to 90 days	6 months				60 to 90 days	6 months			
1926					1927						
Jan. 9	4-6	4-5	4-5	Jan. 5	3-3	Jan. 8	4-5	4-4	4	Jan. 4	3-3
Jan. 16	4-4	4-4	4-4	Jan. 12	3-3	Jan. 15	4-4	4-4	4-4	Jan. 11	3-3
Jan. 23	4-4	4-4	4-4	Jan. 19	3-3	Jan. 22	4-4	4	4	Jan. 18	3-3
Jan. 30	4-5	4-4	4-4	Jan. 26	3-3	Jan. 29	4	4	4	Jan. 25	3-3
Feb. 6	4-5	4-4	4-4	Feb. 2	3-3	Feb. 5	4	4-4	4	Feb. 1	3-3
Feb. 13	4-5	4-4	4-4	Feb. 9	3-3	Feb. 12	4	4	4-4	Feb. 8	3-3
Feb. 20	4-5	4-4	4-4	Feb. 16	3-3	Feb. 19	3-4	4-4	4-4	Feb. 15	3-3
Feb. 27	5-5	4-5	4-5	Feb. 23	3-3	Feb. 26	3-5	4-4	4-4	Feb. 22	3-3
Mar. 6	4-5	4-5	4-5	Mar. 2	3-3	Mar. 5	4-4	4-4	4-4	Feb. 29	3-3
Mar. 13	4-4	4-5	4-5	Mar. 9	3-3	Mar. 12	4	4-4	4-4	Mar. 7	3-3
Mar. 20	4	4-4	4-4	Mar. 16	3-3	Mar. 19	3-4	4-4	4	Mar. 14	3-3
Mar. 27	4-5	4-4	4-4	Mar. 23	3-3	Mar. 26	4-4	4-4	4	Mar. 21	3-3
Apr. 3	4-5	4-4	4-4	Mar. 30	3-3	Apr. 2	4-4	4-4	4	Mar. 28	3-3
Apr. 10	4-4	4-4	4-4	Apr. 6	3-3	Apr. 9	4-4	4	4	Apr. 4	3-3
Apr. 17	4-5	4	4	Apr. 13	3-3	Apr. 16	4-4	4	4	Apr. 11	3-3
Apr. 24	3-4	4-4	4-4	Apr. 20	3-3	Apr. 23	4-4	4-4	4	Apr. 18	3-3
May 1	3-4	4	4-4	Apr. 27	3-3	Apr. 30	4-5	4-4	4-4	Apr. 25	3-3
May 8	3-4	4	4-4	May 4	3-3	May 7	4-4	4-4	4-4	May 2	3-3
May 15	3-4	4	4-4	May 11	3-3	May 14	4-4	4-4	4-4	May 9	3-3
May 22	3-4	4	4-4	May 18	3-3	May 21	4-4	4-4	4-4	May 16	3-3
May 29	3-4	4	4-4	May 25	3-3	May 28	4-4	4-4	4-4	May 23	3-3
June 5	3-5	4	4-4	June 1	3-3	June 4	4	4-4	4-4	May 30	3-3
June 12	3-4	4	4-4	June 8	3-3	June 11	4-4	4-4	4	June 6	3-3
June 19	3-4	4-4	4-4	June 15	3-3	June 18	4-4	4-4	4	June 13	3-3
June 26	4-4	4	4	June 22	3-3	June 25	4	4-4	4-4	June 20	3-3
July 3	4-5	4	4-4	June 29	3-3	July 2	4-5	4-4	4	June 27	3-3
July 10	4	4	4-4	July 6	3-3	July 9	4-4	4-4	4	July 4	3-3
July 17	4-4	4-4	4	July 13	3-3	July 16	4	4-4	4-4	July 11	3-3
July 24	4-4	4-4	4-4	July 20	3-3	July 23	3-4	4-4	4-4	July 18	3-3
July 31	4-5	4-4	4-4	July 27	3-3	July 30	3-4	4-4	4-4	July 25	3-3
Aug. 7	4-5	4-4	4-4	Aug. 3	3-3	Aug. 6	3-4	4-4	4-4	Aug. 1	3-3
Aug. 14	4-5	4-4	4-5	Aug. 10	3-3	Aug. 13	3	4-4	4-4	Aug. 8	3-3
Aug. 21	4	4	4-5	Aug. 17	3-3	Aug. 20	3-3	3-4	4-4	Aug. 15	3-3
Aug. 28	4-5	4-5	4-5	Aug. 24	3-3	Aug. 27	3	3-4	4-4	Aug. 22	3-3
Sept. 4	4-5	4-5	5	Aug. 31	3-4	Sept. 3	3	3-4	4-4	Aug. 29	3-3
Sept. 11	4-5	4-5	5	Sept. 7	3-4	Sept. 10	3-4	3-4	4-4	Sept. 5	3-3
Sept. 18	4-5	4	5	Sept. 14	3-4	Sept. 17	3-4	4-4	4-4	Sept. 12	3-3
Sept. 25	5-5	4	5	Sept. 21	3-4	Sept. 24	3-4	4-4	4-4	Sept. 19	3-3
Oct. 2	5-6	4-5	5-5	Sept. 28	3-4	Oct. 1	3-4	4-4	4-4	Sept. 26	3-3
Oct. 9	4-5	5-5	5-5	Oct. 5	3-4	Oct. 8	4-4	4-4	4-4	Oct. 3	3-3
Oct. 16	5-5	5	5	Oct. 12	3-4	Oct. 15	4-4	4-4	4-4	Oct. 10	3-3
Oct. 23	4-5	5	5	Oct. 19	3-4	Oct. 22	3-4	4-4	4-4	Oct. 17	3-3
Oct. 30	4	4-5	4-5	Oct. 26	3-4	Oct. 29	3	4-4	4-4	Oct. 24	3-3
Nov. 6	4	4-4	4-4	Nov. 2	3-4	Nov. 5	3-4	4-4	4-4	Oct. 31	3-3
Nov. 13	4-4	4-4	4-4	Nov. 9	3-4	Nov. 12	3	4-4	4-4	Nov. 7	3-3
Nov. 20	4-5	4-4	4-4	Nov. 16	3-3	Nov. 19	3	4-4	4	Nov. 14	3-3
Nov. 27	4-5	4	4-4	Nov. 23	3-3	Nov. 26	3	4-4	4-4	Nov. 21	3-3
Dec. 4	4-5	4	4-4	Nov. 30	3-3	Dec. 3	3-4	4-4	4-4	Nov. 28	3-3
Dec. 11	4-5	4	4-4	Dec. 7	3-4	Dec. 10	4-4	4-4	4-4	Dec. 5	3-3
Dec. 18	4-5	4	4-4	Dec. 14	3-4	Dec. 17	4	4-4	4-4	Dec. 12	3-3
Dec. 25	5-6	4	4-4	Dec. 21	3-4	Dec. 24	4-5	4-4	4-4	Dec. 19	3-3
Dec. 27-31	5-6	4-4	4-4	Dec. 28	3-3	Dec. 31	5-5	4-4	4	Dec. 30	3-3

Sources: Call and time rates from The Analyst, acceptance rates from Acceptance Bulletin of the American Acceptance Council.

No. 303.—FIRE AND MARINE INSURANCE BUSINESS IN THE UNITED STATES

[NOTE.—All figures except number of companies in thousands of dollars. Data cover transactions of both United States and foreign companies]

Calendar year	Stock and mutual companies								
	Num-ber of com-panies	Capital	Total assets <sup>1</sup>	Net surplus	Net pre-miums	Total income	Losses	Divi-dends	Ex-penses
1890.....	580	86,732	322,678	108,734	143,346	157,858	75,335	12,946	49,819
1895.....	555	70,225	347,564	118,228	161,447	175,750	89,213	14,666	54,203
1900.....	493	73,151	413,027	162,658	182,131	198,313	108,307	16,029	65,861
1905.....	560	76,128	544,182	211,545	270,387	292,995	124,925	22,877	93,310
1908.....	598	84,705	604,425	207,647	309,539	334,490	165,490	27,837	110,380
1909.....	598	87,538	662,966	246,339	329,447	362,556	154,431	30,192	116,087
1910.....	593	94,734	572,899	206,212	263,303	291,534	123,692	34,857	94,389
1911.....	593	97,703	745,044	276,956	354,506	388,462	183,477	82,409	128,332
1912.....	595	96,944	774,985	286,969	367,470	406,336	188,062	31,640	135,517
1913.....	605	105,196	792,313	285,504	381,037	416,975	202,695	33,460	141,821
1914.....	596	105,670	815,747	284,523	396,550	430,873	224,640	30,957	143,339
1915.....	613	107,675	873,945	321,014	419,361	459,361	221,701	26,509	157,730
1916.....	606	118,094	965,859	345,561	493,936	535,753	244,813	39,742	172,207
1917.....	636	126,880	1,077,952	399,574	614,647	681,922	293,842	42,477	203,818
1918.....	630	131,221	1,189,795	378,216	716,980	772,740	335,921	43,506	249,261
1919.....	781	163,103	1,391,096	453,920	810,881	884,166	335,570	52,474	295,405
1920.....	789	176,906	1,569,141	464,565	995,295	1,073,625	451,470	63,815	371,479
1921.....	802	184,584	1,592,351	501,337	832,906	915,921	514,755	64,959	343,209
1922.....	754	206,367	1,627,345	550,057	851,257	939,568	477,116	73,924	337,590
1923.....	763	211,165	1,782,383	561,658	878,907	1,002,175	504,795	78,487	380,106
1924.....	801	232,408	1,913,477	629,252	970,806	1,070,748	524,302	76,652	390,128
1925.....	854	269,283	2,092,499	700,462	1,050,676	1,188,087	559,931	81,430	419,427
1926.....	860	278,498	2,248,197	733,959	1,110,895	1,228,399	581,234	92,897	448,935
Lloyd's and interinsurance companies					Total				
	Num-ber of asso-ciations	Net pre-miums	Total income	Losses	Total disburse-ments	Net premiums	Total income	Losses	Total disburse-ments
1905.....	37	3,029	3,338	1,371	2,508	273,417	296,333	126,296	243,620
1908.....	38	3,790	4,579	1,865	3,617	313,329	339,069	167,355	307,324
1909.....	38	4,415	4,719	1,939	3,843	333,862	367,275	156,370	304,552
1910.....	31	3,831	4,111	1,644	3,744	267,134	295,645	125,336	256,681
1911.....	<sup>2</sup> 28	4,118	4,505	1,441	3,465	358,624	392,967	184,918	347,683
1912.....	<sup>2</sup> 26	4,157	4,424	1,992	4,101	371,627	410,760	190,073	359,339
1913.....	<sup>2</sup> 40	4,331	4,623	2,102	4,122	385,368	421,599	204,797	382,098
1914.....	37	9,425	9,860	3,575	7,706	405,975	440,733	228,215	406,641
1915.....	45	12,003	12,634	4,470	9,609	431,365	471,996	226,171	415,549
1916.....	<sup>2</sup> 54	13,076	13,746	5,653	11,247	507,012	549,499	250,466	468,008
1917.....	56	13,642	14,003	5,868	11,326	628,289	695,924	299,710	551,464
1918.....	95	<sup>2</sup> 20,874	<sup>2</sup> 21,636	<sup>2</sup> 10,470	<sup>2</sup> 18,174	737,854	794,376	346,391	646,863
1919.....	<sup>2</sup> 105	23,067	24,146	8,739	18,909	833,948	908,312	344,308	702,357
1920.....	<sup>2</sup> 137	24,946	29,164	10,403	20,481	1,020,242	1,102,789	461,873	907,245
1921.....	<sup>2</sup> 121	28,864	32,777	13,921	29,073	861,770	948,699	528,675	951,997
1922.....	<sup>2</sup> 125	30,056	32,537	13,282	29,070	881,313	972,106	490,398	917,700
1923.....	<sup>2</sup> 116	35,715	37,831	14,809	33,210	914,622	1,040,007	519,603	996,598
1924.....	<sup>2</sup> 140	46,706	50,768	21,858	44,037	1,017,512	1,121,517	546,159	1,035,119
1925.....	<sup>2</sup> 134	43,370	45,120	21,110	42,474	1,094,046	1,233,207	581,041	1,103,262
1926.....	<sup>2</sup> 121	45,366	49,065	22,274	43,141	1,156,261	1,227,485	603,507	1,165,206

<sup>1</sup> Exclusive of premium notes.  
<sup>2</sup> Figures for 1911 and 1912 cover the business of 24 associations; 1913, 30; 1916, 47; 1919, 95; 1920, 101; 1921, 108; 1922, 105; 1923, 108; 1924, 133; 1925, 110; and 1926, 115.  
<sup>3</sup> Premiums of 84 associations.  
<sup>4</sup> Income of 88 associations.  
<sup>5</sup> Losses paid and total disbursements of 89 associations.

Source: Insurance Yearbook of the Spectator Co., New York City.

### No. 304.—FIRE INSURANCE: OUTSTANDING RISKS IN THE UNITED STATES, DECEMBER 31

[NOTE.—Covers transactions of members of the National Board of Fire Underwriters, both United States and foreign companies. Fire and lightning risks only beginning with 1918; in previous years marine risks are also included]

Year or yearly average	Number of companies	Amount covered	Premiums charged <sup>1</sup>	Rate on \$100	Year	Number of companies	Amount covered	Premiums charged <sup>1</sup>	Rate on \$100
		1,000 dollars	1,000 dollars				1,000 dollars	1,000 dollars	
1877-1880.....	171	6,393,795	61,529	\$0.9623	1918.....	154	63,083,104	638,106	\$1.0115
1881-1890.....	152	10,992,804	113,744	1.0347	1919.....	159	75,163,820	769,538	1.0118
1891-1900.....	140	18,368,018	190,528	1.0373	1920.....	169	85,970,172	846,294	.9844
1901-1910.....	156	31,923,704	354,885	1.1116	1921.....	175	93,715,314	916,577	.9780
1911-1920.....	181	62,275,767	629,032	1.0101	1922.....	174	96,283,268	936,416	.9726
1914.....	191	56,012,859	570,688	1.0189	1923.....	184	105,927,503	1,017,024	.9601
1915.....	193	58,867,095	588,702	1.0000	1924.....	197	115,683,434	1,092,042	.9440
1916.....	199	63,355,300	628,210	.9915	1925.....	210	128,255,158	1,189,875	.9277
1917.....	197	72,331,661	698,277	.9654	1926.....	210	137,739,935	1,257,871	.9132

<sup>1</sup> Gross less reinsurance.

Source: Insurance Yearbook of the Spectator Co., New York City.

### No. 305.—FIRE AND LIGHTNING INSURANCE BUSINESS IN THE UNITED STATES TRANSACTED BY MEMBERS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS

	1920	1921	1922	1924	1925	1926
Number of companies, total	169	174	184	197	210	210
United States companies	124	129	137	152	165	168
Foreign companies.....	45	45	47	45	45	42
Thousands of dollars						
Gross insurance written.....	100,194,659	95,282,529	118,358,475	118,398,042	140,496,882	142,968,774
United States companies.....	71,409,055	71,216,718	89,798,875	92,323,757	113,406,098	114,063,270
Foreign companies.....	28,785,603	24,065,811	28,559,599	26,074,285	27,090,784	28,915,506
Gross premiums charged.....	963,565	898,918	1,064,186	1,056,310	1,225,976	1,233,097
Net premiums written.....	533,946	505,450	598,570	595,921	644,307	679,040
Net premiums earned.....	450,902	492,047	535,398	571,273	598,984	634,526
Net losses paid.....	226,001	252,818	315,100	325,849	351,116	351,509
Net losses incurred.....	246,067	286,681	308,513	343,654	354,104	352,865
Net expenses.....	219,522	214,249	251,990	263,225	281,186	301,532
Agents' compensation.....	121,046	120,091	145,792	148,994	161,524	172,089
Taxes.....	27,571	17,267	18,438	20,271	20,145	21,151
Average annual rate of pre- mium per \$100 insurance ..	\$0.9617	\$0.9434	\$0.8991	\$0.8922	\$0.8726	\$0.8625
Per cent of—						
Net losses incurred to net premiums earned..	54.6	58.3	57.6	60.2	59.1	55.6
Net losses incurred to net premiums written.....	46.1	56.7	51.5	57.7	55.0	52.0
Net expenses to net premiums earned.....	48.7	43.5	47.1	46.1	46.9	47.5
Net expenses to net premiums written.....	41.1	42.4	42.1	44.2	43.6	44.4
Agents' compensation to net premiums written.....	22.7	23.8	24.4	25.0	25.1	25.3
Taxes to net premiums written.....	5.2	3.4	3.1	3.4	3.1	3.1

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

## No. 806.—FIRES IN CITIES OF 100,000 OR MORE INHABITANTS: 1926

[NOTE.—Amounts, except per capita, in thousands of dollars. Losses are as reported by the chiefs of the fire departments, estimated in many cases. Per capita is based on total loss where figures are available, otherwise on insurance loss]

City and State	Population (thousands)	Number of fires	Total value of property involved in fires	Total insur- ance thereon	Total insur- ance loss	Total loss (insured and un- insured)	Fires to 1,000 popu- lation	Loss per capita
Akron, Ohio	229	1,067	19,459	16,018	184	309	4.68	\$0.91
Albany, N. Y.	124	1,519	8,401	478	478	478	12.35	3.85
Atlanta, Ga.	256	1,848	43,731	30,043	794	973	7.22	3.80
Baltimore, Md.	806	4,856	43,322	2,408	2,479	2,479	6.01	3.07
Birmingham, Ala.	196	2,165	30,700	21,600	461	601	11.05	3.07
Boston, Mass.	793	6,310	100,055	5,911	5,911	5,231	7.96	6.59
Bridgeport, Conn.	145	911	7,517	4,330	234	274	6.28	1.90
Buffalo, N. Y.	539	1,887	48,473	2,064	2,064	2,064	3.51	3.84
Cambridge, Mass.	120	1,087	7,222	5,847	645	664	9.06	5.38
Camden, N. J.	206	703	2,149	58	58	58	3.41	.28
Canton, Ohio	113	363	44,565	32,500	66	70	2.52	.63
Chattanooga, Tenn.	140	885	6,104	5,316	314	371	6.32	2.68
Chicago, Ill.	3,065	18,557	624,540	543,078	12,951	14,804	6.05	4.46
Cincinnati, Ohio	443	2,003	48,463	38,856	944	1,401	4.62	3.15
Cleveland, Ohio	936	4,931	79,234	2,173	2,173	2,297	5.27	2.46
Columbus, Ohio	311	1,532	7,059	4,426	932	970	5.24	3.12
Dallas, Tex.	230	2,162	17,313	13,034	1,615	1,749	9.40	7.69
Dayton, Ohio	184	1,452	10,018	8,211	1,111	1,157	7.89	6.29
Denver, Colo.	325	1,829	11,271	8,568	414	461	5.63	1.43
Des Moines, Iowa	150	1,388	10,251	6,779	372	388	9.25	2.60
Detroit, Mich.	1,290	9,000	170,792	151,218	3,520	3,520	6.98	2.78
Duluth, Minn.	115	769	6,559	5,016	590	623	6.68	3.41
Elizabeth, N. J.	116	640	7,732	7,732	373	373	5.52	3.22
El Paso, Tex.	105	427	2,568	1,624	326	343	4.07	3.27
Erie, Pa.	132	657	5,673	5,673	138	138	4.98	1.04
Fall River, Mass.	131	702	28,854	26,080	607	616	5.36	4.71
Flint, Mich.	150	1,079	2,926	1,826	461	486	7.19	3.23
Fort Wayne, Ind.	106	971	2,751	2,400	218	223	9.16	2.10
Fort Worth, Tex.	190	1,473	21,330	17,064	506	619	8.18	3.44
Gary, Ind.	100	630	8,594	5,367	399	439	6.20	4.39
Grand Rapids, Mich.	165	1,422	34,659	27,108	305	313	8.62	1.90
Hartford, Conn.	173	1,065	16,066	12,697	496	520	6.16	3.00
Houston, Tex.	250	1,546	3,959	607	607	1,038	6.18	4.16
Indianapolis, Ind.	383	3,614	13,753	407	407	607	9.44	1.82
Jacksonville, Fla.	150	1,172	17,748	13,753	407	441	7.81	2.94
Jersey City, N. J.	325	1,593	3,854	3,854	217	245	4.90	.76
Kansas City, Kans.	125	1,256	23,006	13,606	195	220	10.05	1.76
Kansas City, Mo.	456	3,806	62,962	48,432	1,764	1,865	8.35	4.13
Long Beach, Calif.	135	434	2,865	1,870	102	146	3.21	1.08
Los Angeles, Calif.	1,200	6,519	2,130	5.43	1.77			
Louisville, Ky.	311	2,144	22,196	18,045	1,201	1,337	6.89	4.30
Lowell, Mass.	120	1,068	7,631	10,591	1,672	1,712	8.90	14.43
Lynn, Mass.	103	1,684	9,180	8,316	480	492	16.35	4.78
Memphis, Tenn.	200	2,494	25,000	20,228	584	671	12.47	3.36
Miami, Fla.	132	902	22,859	7,551	402	647	6.83	4.91
Milwaukee, Wis.	469	2,801	41,541	29,519	1,463	1,500	1.92	2.64
Minneapolis, Minn.	491	4,590	15,080	10,113	840	1,522	9.35	3.10
Nashville, Tenn.	144	1,544	15,080	10,113	840	984	10.72	6.83
Newark, N. J.	459	8,042	49,537	2,063	2,063	2,603	6.63	5.67
New Bedford, Mass.	122	700	6,483	6,483	364	364	5.74	2.90
New Haven, Conn.	185	1,551	11,594	9,701	764	773	8.38	4.18
New Orleans, La.	420	1,606	41,238	22,790	506	506	3.82	1.12
New York City	5,924	26,185	14,768	9,736	5.06	21,672	4.25	3.66
Manhattan, Bronx, and Richmond	2,020	14,768	12,492	7,905	308	11,935	5.06	4.09
Brooklyn and Queens	3,004	10,417	25,645	12,907	504	9,736	3.47	3.24
Norfolk, Va.	176	1,326	12,492	7,905	308	316	7.53	1.79
Oakland, Calif.	315	1,791	25,645	12,907	504	591	5.69	1.87
Oklahoma City, Okla.	130	1,184	3,094	452	458	911	9.11	3.52
Omaha, Neb.	216	2,003	33,794	27,113	1,55	665	9.27	3.08
Paterson, N. J.	140	786	5,12	26,245	1,096	1,167	1.24	7.15
Philadelphia, Pa.	1,600	7,008	43,863	2,118	2,118	5,12	3.71	2.93
Pittsburgh, Pa.	637	3,115	14,054	10,895	1,027	2,118	5.36	3.37
Portland, Oreg.	150	2,119	24,017	11,852	529	1,051	6.14	1.01
Providence, R. I.	208	2,291	12,611	873	873	1,011	8.58	3.78
Reading, Pa.	112	912	24,017	11,852	529	619	7.46	2.26
Richmond, Va.	200	1,492	24,017	11,852	529	619	7.46	2.75
Rochester, N. Y.	350	1,617	1,017	1,017	1,017	529	4.92	1.51



## No. 306.—FIRES IN CITIES OF 100,000 OR MORE INHABITANTS, 1926—Contd.

(Amounts, except per capita, in thousands of dollars)

City and State	Population (thousands)	Number of fires	Total value of property involved in fires	Total insurance thereon	Total insurance loss	Total loss (insured and uninsured)	Fires to 1,000 of population	Loss per capita
Sacramento, Calif.	102	551	7,413	4,686	184	168	5.40	\$1.65
St. Louis, Mo.	800	6,272	38,825	27,211	2,346	2,474	7.84	3.00
St. Paul, Minn.	302	2,604	33,656	22,933	867	934	8.64	3.10
Salt Lake City, Utah	140	978	16,295	10,789	355	416	7.00	2.96
San Antonio, Tex.	276	993	1,537	1,102	285	272	3.61	.99
San Diego, Calif.	150	711	4,744	2,784	111	129	4.74	.66
San Francisco, Calif.	700	5,384					7.60	
Savannah, Ga.	108	530	10,420	9,007	118		4.91	1.00
Scranton, Pa.	155	692		7,738	567	693	4.47	4.47
Seattle, Wash.	417	550	23,415	17,930	556	585	1.32	1.40
Somerville, Mass.	100	998	1,417	1,835	257		9.98	2.57
South Bend, Ind.	106	779	8,275	5,638	110	805	7.35	7.50
Spokane, Wash.	125	1,053	7,299	6,244	533	551	8.42	4.41
Springfield, Mass.	151	1,257	13,933	11,881	439	469	8.33	3.10
Syracuse, N. Y.	182	1,142		5,271	692	700	6.27	3.90
Tacoma, Wash.	125	1,074		7,709	175	228	8.60	1.83
Tampa, Fla.	125	1,089	18,397	12,907	404	612	8.71	4.80
Toledo, Ohio	295	1,710	14,901	12,376	984	1,054		3.57
Trenton, N. J.	135	594			188	192	4.40	1.42
Tulsa, Okla.	140	939	20,290			138	6.71	.99
Utica, N. Y.	108	588	8,211		208	200	5.44	1.94
Washington, D. C.	438	2,771		25,441	858	1,363	6.33	3.11
Waterbury, Conn.	116	744	5,081	3,840	395	455	6.41	3.92
Wilmington, Del.	124	727				81	5.86	.65
Worcester, Mass.	200	2,616	23,454	19,347	994	994	13.08	4.97
Yonkers, N. Y.	116	891		2,244	148	219	7.68	1.80
Youngstown, Ohio	168	890	29,965	19,845	362	441	5.34	2.63

## No. 307.—FIRE LOSSES IN THE UNITED STATES: TOTAL AND PER CAPITA

(NOTE.—Amounts, except per capita, in thousands of dollars. Prior to 1916, figures are as compiled by the New York Journal of Commerce and include losses of \$10,000 or over in the principal cities of the United States, adding 15 per cent for small and unreported losses. These figures are not comparable with those shown for later years (the 1916 Journal of Commerce figure being \$214,531,000 as against \$258,378,000) which cover all fires reported to the Actuarial Bureau Committee, adding 25 per cent for unreported and uninsured losses)

Year	Loss	Year	Loss	Year	Loss	Year	Loss
1877	68,366	1890	108,894	1903	145,302	1916	258,378
1878	64,316	1891	143,765	1904	229,198	1917	280,535
1879	77,704	1892	151,516	1905	165,222	1918	353,870
1880	74,643	1893	167,544	1906	518,612	1919	320,540
1881	81,281	1894	140,006	1907	215,085	1920	447,887
1882	84,505	1895	142,110	1908	217,886	1921	495,406
1883	100,149	1896	118,737	1909	188,705	1922	506,541
1884	110,009	1897	118,355	1910	214,003	1923	535,373
1885	102,819	1898	130,594	1911	217,005	1924	541,062
1886	104,925	1899	153,596	1912	208,439	1925	559,418
1887	120,283	1900	160,930	1913	203,764	1926	560,549
1888	110,686	1901	165,818	1914	221,439	1927	478,246
1889	123,047	1902	161,078	1915	172,033		

Cities reporting actual loss					Total United States		
Year	Number of cities	Population (thousands)	Actual reported loss, total	Loss per capita	Population (thousands)	Estimated loss	Loss per capita
1919	326	39,899	103,028	\$2.58	105,003	320,540	\$3.06
1920	370	39,637	151,121	3.81	106,422	447,887	4.21
1921	370	40,325	141,406	3.51	108,445	495,406	4.57
1922	366	40,759	147,096	3.61	109,893	506,541	4.62
1923	372	42,947	147,102	3.42	111,693	535,373	4.79
1924	366	43,376	146,223	3.37	113,727	549,062	4.83
1925	370	45,297	160,012	3.53	115,378	559,418	4.85
1926	377	53,244	178,179	3.35	117,136	560,549	4.79
1927	409	51,292	144,619	2.82	118,628	478,246	4.03

Source of Tables 306 and 307: Committee on Statistics, National Board of Fire Underwriters.

# **No. 308.—FINANCIAL CONDITION AND BUSINESS OF ALL LIFE INSURANCE COMPANIES OF THE UNITED STATES COMBINED**

[Note.—All money figures in thousands of dollars. Income, expenditures, and number of policies written cover calendar years; assets, liabilities and policies in force as of Dec. 31. Insurance operations of Veterans' Bureau not included, see pp. 153 to 156.]

	1909	1908	1910	1911	1912	1913	1914
Number of companies.....	76	112	214	228	272	308	322
Capital stock.....	12,822	18,514	40,545	52,545	66,905	105,707	128,050
Income, total.....	400,908	842,059	781,011	1,043,083	1,764,813	3,017,900	3,330,398
Premium income, total.....	394,794	815,997	803,333	794,318	1,354,939	2,383,913	2,824,014
New premiums <sup>1</sup> .....	62,276	85,813	70,180	92,441	274,478	340,566	347,345
Renewed <sup>1</sup> .....	250,142	421,860	517,536	683,991	1,080,740	1,999,480	2,229,654
Annuities.....	6,308	8,317	5,672	7,886	10,721	43,867	47,116
Interest and other income, total.....	76,879	136,082	187,893	268,764	379,274	633,887	708,264
Interest, dividends, etc.....	64,949	102,100	100,514	229,659	324,372	527,577	582,849
Rents.....	8,225	10,781	10,310	10,941	16,312	23,125	24,238
Other.....	2,706	13,180	16,799	18,165	28,592	83,185	99,207
Expenditures, total.....	867,590	411,851	540,349	768,506	1,196,366	1,936,422	2,123,772
Paid to policyholders.....	188,688	284,968	387,303	544,705	744,649	1,844,189	1,373,301
Death losses.....	100,721	149,711	180,654	237,391	349,964	493,391	569,007
Matured endowments.....	18,335	28,006	46,349	63,363	101,181	114,473	96,869
Annuities <sup>1</sup> .....	4,122	6,748	7,426	8,860	16,897	58,581	66,488
Surrendered policies, etc.....	22,650	44,360	77,518	123,796	119,061	248,625	299,327
Dividends.....	22,860	36,143	75,354	111,275	157,547	351,150	389,440
Other expenditures.....	68,899	144,882	158,040	233,801	453,717	690,359	780,671
To agents, commissions, salaries, traveling expenses.....	61,282	91,582	87,629	115,328	257,622	399,499	427,675
Medical fees, salaries, other employee costs.....	13,034	20,908	28,037	34,312	61,566	99,233	104,981
Dividends to stockholders.....	1,028	954	2,140	3,293	5,308	14,500	13,206
Other.....	23,548	33,443	37,235	70,868	129,021	177,021	304,710
Admitted assets, total.....	1,742,414	2,704,187	3,873,877	5,190,310	7,319,997	11,357,615	12,939,807
Real estate.....	158,119	170,617	172,961	173,367	172,011	265,938	203,418
Real estate mortgages.....	501,499	723,507	1,227,232	1,779,279	2,174,863	4,799,216	5,564,267
Stocks owned.....	794,632	172,742	129,622	81,056	51,356	81,462	89,395
Bonds owned.....	7,191	1,212,637	1,059,845	2,094,688	3,588,728	4,331,288	4,592,912
Collateral loans.....	64,489	40,320	18,941	16,729	41,301	20,416	25,514
Premium notes and loans.....	88,501	225,568	496,100	779,139	858,915	1,445,607	1,699,390
Net deferred and unpaid premiums.....	33,269	48,099	50,956	73,475	130,923	251,848	253,903
Cash, etc.....	75,440	77,053	71,113	114,285	124,747	124,252	116,683
Other.....	19,276	29,643	50,107	78,272	177,152	217,697	364,245
Asset items not admitted.....	12,249	33,488	25,180	31,507	77,424	119,178	114,297
Liabilities, total.....	1,483,379	2,373,573	3,590,978	4,938,098	6,989,306	10,867,475	12,177,863
Reserve.....	1,443,452	2,295,290	3,223,966	4,398,894	6,337,970	9,926,515	11,061,459
Losses, etc., unpaid.....	9,863	14,720	17,072	29,588	43,116	64,208	75,213
Claims rejected.....	999	967	1,779	2,569	2,475	5,413	6,730
Dividends unpaid and left to accumulate.....	2,596	6,273	5,533	20,654	53,048	134,272	160,231
Surplus apportioned.....	(?)	(?)	279,614	411,887	412,339	563,793	601,386
Other.....	36,466	5,323	61,014	74,436	140,361	173,213	273,344
Surplus (including capital).....	249,035	333,614	210,440	252,283	330,688	670,140	702,483
Total surplus funds.....	249,035	333,614	490,054	664,170	743,027	1,233,933	1,363,869
<b>POLICY ACCOUNT AMOUNTS</b>							
New business written and paid for, total.....	1,846,367	2,384,806	2,557,053	3,594,697	10,106,445	15,479,999	16,336,693
Ordinary <sup>1</sup> .....	1,280,365	1,720,747	1,622,290	2,021,014	8,489,971	10,563,128	11,014,742
Group.....	566,002	660,861	734,793	973,683	1,615,474	3,856,253	3,954,972
Industrial.....	566,002	660,861	734,793	973,683	1,615,474	3,856,253	3,954,972
In force Dec. 31, total.....	6,561,349	13,363,968	16,404,981	22,784,191	32,131,591	47,642,188	58,492,142
Ordinary total.....	7,093,220	11,054,939	13,227,913	18,349,285	28,535,091	43,518,178	53,031,336
Whole life.....	4,790,345	7,225,405	8,811,743	12,425,471	21,583,423	39,252,250	49,269,514
Endowment.....	1,604,456	2,962,684	3,043,690	3,050,723	6,971,433	9,646,968	10,512,313
Other.....	638,425	926,142	1,371,782	2,267,092	2,552,683	5,129,957	8,249,508
Group.....	1,408,028	2,309,754	3,177,945	4,434,906	7,189,852	12,823,681	14,034,820
Industrial.....	1,408,028	2,309,754	3,177,945	4,434,906	7,189,852	12,823,681	14,034,820
<b>NUMBER OF POLICIES (thousands)</b>							
Written during year, total.....	4,671	5,832	6,002	8,464	13,949	20,395	19,513
Ordinary <sup>1</sup> .....	729	1,135	993	1,495	3,924	3,697	4,006
Group.....	3,942	4,697	5,009	6,969	9,325	16,698	15,507
Industrial.....	3,942	4,697	5,009	6,969	9,325	16,698	15,507
In force Dec. 31, total.....	14,395	32,494	29,999	43,098	66,499	97,629	101,806
Ordinary.....	3,176	5,621	6,964	9,990	16,695	23,882	25,487
Group.....	11,219	16,873	23,034	33,108	49,804	73,736	76,319
Industrial.....	11,219	16,873	23,034	33,108	49,804	73,736	76,319

<sup>1</sup>Includes disability and double indemnity receipts and payments.

<sup>2</sup>"Surplus apportioned" included in "surplus, including capital."

<sup>3</sup>Includes "Group" prior to 1925.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

### No. 309.—OPERATIONS OF ALL AMERICAN LIFE INSURANCE COMPANIES COMBINED, FROM ORGANIZATION TO JANUARY 1, 1927

[All figures in thousands of dollars or thousands of policies]

	Total	Ordinary companies	Industrial companies
<b>Total insurance issued since organization:</b>			
Number of policies.....	274, 334	<sup>1</sup> 55, 898	<sup>2</sup> 218, 436
Amount.....	159, 793, 781	<sup>1</sup> 123, 373, 159	<sup>2</sup> 36, 420, 622
<b>Number of policies in force Jan. 1, 1927.....</b>	101, 905	<sup>1</sup> 25, 501	<sup>2</sup> 76, 404
<b>Amount in force Jan. 1, 1927.....</b>	78, 492, 142	<sup>1</sup> 64, 457, 322	<sup>2</sup> 14, 034, 820
<b>Receipts since organization, total.....</b>	36, 587, 121	26, 306, 018	10, 281, 103
Premium and annuity.....	28, 536, 636	19, 868, 057	8, 668, 579
Interest, rents, etc.....	8, 050, 485	6, 437, 961	1, 612, 524
<b>Payments to policyholders since organization, total.....</b>	16, 916, 907	13, 405, 539	3, 511, 368
Death claims.....	7, 812, 857	5, 732, 864	2, 079, 993
Endowments and annuities <sup>3</sup> .....	2, 283, 265	1, 923, 122	360, 143
Purchased policies, surrender values.....	3, 047, 302	2, 587, 598	459, 704
Dividends to policyholders.....	3, 773, 483	3, 161, 955	611, 528
<b>Admitted assets, Jan. 1, 1927.....</b>	12, 939, 807	8, 586, 277	4, 353, 530
<b>Capital, apportioned funds, and surplus Jan. 1, 1927.....</b>	1, 363, 869	991, 860	372, 008

<sup>1</sup> Includes group and ordinary and group business written and in force of industrial companies.

<sup>2</sup> Industrial business only.

<sup>3</sup> Includes disability and double indemnity.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

### No. 310.—SUMMARY OF FINANCIAL CONDITION AND POLICY ACCOUNT OF ALL UNITED STATES LIFE INSURANCE COMPANIES

Calendar year	Assets (ad- mitted), Dec. 31	Liabili- ties, <sup>1</sup> Dec. 31	Total income	Pay- ments to policy- holders	Policies in force Dec. 31				
					Number, in thousands		Amount, in thousands of dollars		
					Ordinary <sup>2</sup>	Indus- trial	Total	Ordinary <sup>2</sup>	Indus- trial
Thousands of dollars					Ordinary <sup>2</sup>	Indus- trial	Total	Ordinary <sup>2</sup>	Indus- trial
1850					29		68, 614	68, 614	
1860					60		180, 000	180, 000	
1870					839		2, 262, 847	2, 262, 847	
1880	452, 681		80, 538	55, 882	686	237	1, 602, 375	1, 581, 842	20, 533
1890	770, 972	678, 681	196, 938	90, 016	1, 320	3, 883	4, 049, 579	3, 620, 789	428, 789
1900	1, 742, 414	1, 493, 379	400, 603	168, 688	3, 176	11, 219	8, 561, 249	7, 093, 220	1, 468, 028
1905	2, 706, 187	2, 372, 573	642, 059	264, 969	5, 621	16, 873	13, 363, 966	11, 054, 232	2, 309, 754
1910	3, 875, 877	3, 385, 821	781, 011	387, 302	6, 964	23, 034	16, 404, 261	13, 227, 213	3, 177, 048
1912	4, 409, 293	3, 879, 826	893, 392	448, 818	8, 159	26, 696	19, 264, 794	15, 555, 901	3, 708, 893
1913	4, 658, 696	4, 136, 362	945, 586	469, 588	8, 775	29, 432	20, 564, 470	16, 587, 379	3, 977, 091
1914	4, 935, 253	4, 364, 564	985, 037	509, 455	9, 045	31, 159	21, 589, 172	17, 425, 501	4, 163, 671
1915	5, 190, 310	4, 938, 028	1, 043, 083	544, 705	9, 890	33, 142	22, 784, 191	18, 349, 285	4, 434, 906
1916	5, 536, 607	5, 253, 090	1, 117, 860	566, 386	10, 698	35, 675	24, 679, 312	19, 868, 270	4, 811, 042
1917	5, 940, 634	5, 633, 682	1, 249, 491	590, 183	11, 582	38, 764	27, 189, 010	21, 965, 594	5, 223, 415
1918	6, 475, 140	6, 201, 990	1, 324, 587	710, 202	12, 768	41, 852	29, 870, 310	24, 167, 112	5, 703, 198
1919	6, 790, 582	6, 432, 068	1, 559, 983	738, 944	15, 716	51, 295	35, 880, 127	29, 273, 115	6, 607, 012
1920	7, 319, 997	6, 989, 309	1, 764, 213	744, 649	16, 695	49, 805	42, 281, 391	35, 091, 538	7, 189, 852
1921	7, 936, 497	7, 548, 159	1, 951, 418	839, 967	17, 685	54, 097	45, 983, 400	37, 977, 281	8, 006, 120
1922	8, 652, 318	8, 124, 446	2, 149, 186	1, 005, 714	18, 814	58, 283	50, 290, 710	41, 404, 191	8, 886, 519
1923	9, 454, 621	8, 901, 658	2, 427, 328	1, 088, 333	20, 534	63, 461	56, 803, 534	46, 696, 278	10, 107, 256
1924	10, 394, 034	9, 798, 850	2, 702, 770	1, 205, 272	22, 092	68, 249	63, 779, 741	52, 436, 000	11, 343, 740
1925	11, 537, 615	10, 867, 475	3, 017, 800	1, 246, 169	23, 894	73, 736	71, 642, 128	58, 818, 447	12, 823, 681
1926	12, 939, 807	12, 177, 363	3, 330, 298	1, 373, 201	25, 501	76, 404	78, 492, 142	64, 457, 322	14, 034, 820

<sup>1</sup> Not including unapportioned surplus and capital and prior to 1915, also apportioned surplus. For amount of latter item in 1915 and recent years see Table 308.

<sup>2</sup> Includes group business.

Source: Prior to 1900, Frederick L. Hoffman, insurance statistician, Newark, N. J.; 1900 and years following, the Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 311.—LIFE INSURANCE ISSUED AND TERMINATED: ALL COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

[NOTE.—Industrial and group insurance are not included. The data relate to all companies authorized to sell life insurance in New York State, which include nearly all of the important companies doing business in the United States. The figures relate to the entire business of such companies and not that in New York alone]

	Number of policies (thousands)				Amount (thousands of dollars)			
	1923	1924	1925	1926	1923	1924	1925	1926
New issues <sup>1</sup> .....	2, 352	2, 383	2, 602	2, 703	6, 694, 734	7, 233, 738	7, 788, 047	8, 190, 636
Policies terminated, total.....	1, 165	1, 340	1, 298	1, 462	2, 614, 068	3, 026, 408	3, 161, 294	3, 691, 896
By—								
Death.....	117	120	131	144	294, 761	317, 343	318, 523	366, 587
Maturity.....	96	98	85	73	122, 253	118, 273	95, 396	79, 058
Expiry.....	125	213	212	248	313, 010	395, 864	382, 498	412, 446
Surrender.....	259	275	296	326	636, 069	697, 931	748, 140	860, 584
Lapse.....	518	597	564	653	1, 154, 569	1, 414, 902	1, 415, 014	1, 714, 822
Change and decrease.....	49	37	9	17	90, 405	81, 096	199, 247	255, 868
Disability.....			1	1			2, 476	2, 530

<sup>1</sup> Includes all new issues, old policies revived or increased, and additions by dividends.

No. 312.—LIFE INSURANCE ISSUED AND TERMINATED BY SURRENDER, LAPSE, AND CHANGE AND DECREASE: COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

[NOTE.—Policies terminated by death and maturity are not included in this table. See also note, Table 311]  
[All figures expressed in thousands of dollars or thousands of policies]

Year	Issued <sup>1</sup>		Terminated by surrender, lapse, and decrease		Year	Issued <sup>1</sup>		Terminated by surrender, lapse, and decrease	
	Num- ber	Amount	Num- ber	Amount		Num- ber	Amount	Num- ber	Amount
1865.....	86	245, 427	14	34, 780	1896.....	350	796, 124	188	466, 029
1866.....	134	404, 508	21	56, 893	1897.....	431	923, 805	186	444, 429
1867.....	159	471, 612	35	105, 101	1898.....	486	1, 018, 366	200	433, 461
1868.....	202	579, 657	50	147, 104	1899.....	633	1, 304, 306	214	442, 236
1869.....	231	614, 762	77	215, 030	1900.....	687	1, 356, 770	236	467, 226
1870.....	237	587, 863	96	264, 664	1901.....	788	1, 470, 318	240	454, 394
1871.....	210	488, 665	125	328, 599	1902.....	907	1, 646, 013	281	515, 893
1872.....	201	489, 925	109	295, 750	1903.....	976	1, 759, 682	297	522, 709
1873.....	199	465, 614	119	316, 785	1904.....	1, 101	1, 884, 826	349	627, 914
1874.....	145	351, 804	119	302, 673	1905.....	1, 018	1, 733, 102	403	701, 715
1875.....	133	299, 276	96	243, 930	1906.....	715	1, 229, 809	415	756, 599
1876.....	99	232, 665	87	224, 101	1907.....	569	997, 262	314	562, 028
1877.....	82	178, 284	83	208, 851	1908.....	592	1, 090, 979	327	610, 084
1878.....	67	156, 501	64	172, 604	1909.....	695	1, 284, 242	306	570, 631
1879.....	67	167, 865	45	120, 826	1910.....	747	1, 362, 590	296	541, 408
1880.....	72	187, 504	34	90, 292	1911.....	812	1, 577, 846	323	604, 383
1881.....	81	222, 582	31	82, 453	1912.....	898	1, 702, 147	365	701, 476
1882.....	92	257, 517	33	93, 928	1913.....	1, 016	1, 840, 578	399	732, 319
1883.....	110	308, 065	38	102, 728	1914.....	1, 013	1, 808, 730	433	833, 691
1884.....	128	321, 310	51	125, 130	1915.....	1, 090	1, 928, 289	446	859, 635
1885.....	156	378, 215	59	128, 945	1916.....	1, 257	2, 362, 193	405	765, 096
1886.....	151	448, 514	47	132, 241	1917.....	1, 378	2, 892, 880	403	729, 489
1887.....	175	531, 171	52	146, 888	1918.....	1, 335	2, 965, 541	401	731, 160
1888.....	204	631, 732	63	183, 307	1919.....	2, 134	5, 199, 839	438	797, 237
1889.....	251	787, 665	72	206, 450	1920.....	2, 420	6, 068, 203	561	1, 110, 157
1890.....	288	883, 787	84	251, 660	1921.....	2, 012	4, 902, 464	881	1, 983, 026
1891.....	327	932, 706	114	344, 287	1922.....	2, 038	5, 518, 885	877	2, 032, 856
1892.....	353	952, 884	128	377, 407	1923.....	2, 352	6, 694, 734	827	1, 884, 043
1893.....	404	1, 058, 660	154	435, 728	1924.....	2, 383	7, 233, 738	908	2, 193, 928
1894.....	397	985, 520	190	506, 932	1925.....	2, 602	7, 788, 047	868	2, 362, 401
1895.....	367	864, 816	182	453, 114	1926.....	2, 703	8, 190, 636	996	2, 831, 274

<sup>1</sup> Includes all new issues, old policies revived or increased, and additions by dividends.

**No. 313.—LIFE INSURANCE, SUMMARY OF FINANCIAL CONDITION AND  
POLICY ACCOUNTS: COMPANIES REPORTING TO NEW YORK INSURANCE  
DEPARTMENT**

[All figures in thousands of dollars or thousands of policies]

Calendar year	Insurance in force end of year <sup>1</sup> (amount)	Calendar year	Insurance in force end of year <sup>1</sup> (amount)	Calendar year	Insurance in force end of year <sup>1</sup> (amount)
1859.....	141, 498	1875.....	1, 922, 043	1891.....	3, 868, 386
1860.....	163, 703	1876.....	1, 735, 995	1892.....	4, 208, 975
1861.....	165, 256	1877.....	1, 556, 105	1893.....	4, 523, 478
1862.....	183, 963	1878.....	1, 480, 921	1894.....	4, 657, 583
1863.....	267, 659	1879.....	1, 439, 961	1895.....	4, 818, 171
1864.....	395, 703	1880.....	1, 475, 995	1896.....	4, 967, 576
1865.....	580, 882	1881.....	1, 540, 090	1897.....	5, 255, 726
1866.....	865, 106	1882.....	1, 637, 649	1898.....	5, 630, 053
1867.....	1, 161, 730	1883.....	1, 763, 730	1899.....	6, 265, 908
1868.....	1, 528, 985	1884.....	1, 870, 746	1900.....	6, 947, 097
1869.....	1, 836, 618	1885.....	2, 024, 103	1901.....	7, 572, 803
1870.....	2, 023, 885	1886.....	2, 223, 358	1902.....	8, 440, 713
1871.....	2, 101, 462	1887.....	2, 475, 750	1903.....	9, 241, 273
1872.....	2, 114, 743	1888.....	2, 763, 906	1904.....	10, 028, 091
1873.....	2, 086, 027	1889.....	3, 147, 006	( See last column below )	
1874.....	1, 997, 236	1890.....	3, 547, 035		

Calendar year	Assets	Liabilities, exclusive of capital	Income		Disbursements		Policies in force at end of year <sup>1</sup>	
			Total	Premium	Total	To policy- holders	Number (thous- ands)	Amount
1860.....	24, 116	17, 160	5, 998	4, 770	2, 909	2, 102	56	163, 703
1870.....	269, 520	221, 161	105, 026	90, 216	63, 877	44, 949	748	2, 023, 885
1880.....	418, 119	346, 473	76, 203	51, 954	66, 562	52, 154	609	1, 475, 995
1890.....	758, 314	668, 228	193, 247	151, 945	131, 289	88, 462	1, 276	3, 547, 035
1900.....	1, 723, 738	1, 478, 839	392, 359	310, 545	261, 467	165, 705	3, 071	6, 947, 097
1905.....	2, 651, 317	2, 289, 031	619, 426	484, 407	397, 830	257, 957	5, 306	10, 553, 840
1906.....	2, 851, 784	2, 469, 767	632, 447	494, 255	404, 215	278, 587	5, 407	10, 616, 680
1907.....	2, 917, 968	2, 606, 846	625, 719	483, 983	401, 090	292, 406	5, 324	10, 404, 508
1908.....	3, 228, 078	2, 778, 054	644, 573	492, 677	428, 536	318, 595	5, 468	10, 623, 734
1909.....	3, 466, 643	2, 967, 162	679, 724	507, 114	462, 486	341, 993	5, 756	11, 110, 457
1910.....	3, 665, 197	3, 164, 491	703, 921	527, 277	488, 781	364, 127	6, 041	11, 669, 700
1911.....	3, 918, 071	3, 377, 125	750, 116	558, 425	521, 320	387, 654	6, 621	12, 802, 989
1912.....	4, 136, 484	3, 571, 929	791, 914	590, 614	558, 736	419, 478	7, 002	13, 527, 321
1913.....	4, 351, 043	3, 802, 073	833, 681	622, 845	586, 312	436, 968	7, 452	14, 324, 485
1914.....	4, 595, 977	4, 010, 829	865, 867	647, 438	630, 937	477, 024	7, 851	14, 931, 151
1915.....	4, 802, 904	4, 222, 318	917, 993	677, 947	687, 256	507, 459	8, 284	15, 609, 722
1916.....	5, 099, 034	4, 483, 753	982, 831	723, 767	702, 479	523, 978	8, 887	16, 784, 208
1917.....	5, 450, 171	4, 771, 716	1, 088, 470	801, 223	746, 051	537, 525	9, 518	18, 457, 379
1918.....	5, 907, 531	5, 276, 419	1, 146, 253	860, 814	851, 893	642, 448	10, 198	20, 196, 274
1919.....	6, 082, 858	5, 445, 006	1, 311, 956	991, 460	944, 509	670, 161	11, 607	24, 010, 146
1920.....	6, 541, 653	5, 701, 223	1, 501, 901	1, 172, 069	1, 028, 202	691, 183	13, 200	26, 840, 198
1921.....	7, 018, 030	6, 736, 889	1, 630, 785	1, 259, 192	1, 091, 160	753, 938	14, 036	29, 145, 345
1922.....	7, 592, 706	7, 346, 575	1, 816, 199	1, 392, 670	1, 297, 078	907, 808	14, 869	31, 688, 501
1923.....	8, 222, 286	7, 931, 369	2, 025, 372	1, 563, 695	1, 430, 083	997, 830	16, 055	35, 181, 051
1924.....	9, 008, 862	8, 674, 222	2, 255, 490	1, 747, 767	1, 545, 802	1, 071, 516	17, 126	41, 774, 448
1925.....	10, 023, 932	9, 523, 948	2, 512, 995	1, 936, 957	1, 603, 238	1, 094, 526	18, 590	43, 751, 246
1926.....	11, 234, 738	10, 660, 244	2, 789, 074	2, 142, 291	1, 762, 203	1, 200, 856	19, 826	48, 248, 043

<sup>1</sup> Industrial business and beginning 1920 group business not included.

Source: The Insurance Yearbook, the Spectator Co., New York, N. Y.

# No. 814.—ORDINARY AND INDUSTRIAL LIFE INSURANCE BUSINESS WRITTEN AND IN FORCE: BY STATES

(All figures in thousands of dollars)

Division and State	Ordinary <sup>1</sup>				Industrial			
	Written during year			In force Dec. 31, 1926	Written during year			In force Dec. 31, 1926
	1924	1925	1926		1924	1925	1926	
<b>United States <sup>2</sup></b>	<b>10,406,706</b>	<b>12,477,226</b>	<b>13,260,647</b>	<b>63,896,830</b>	<b>2,651,349</b>	<b>2,689,078</b>	<b>2,680,317</b>	<b>13,804,836</b>
<b>New England</b>	<b>719,885</b>	<b>858,856</b>	<b>908,943</b>	<b>4,812,810</b>	<b>309,580</b>	<b>357,871</b>	<b>365,633</b>	<b>1,682,681</b>
Maine	49,873	53,486	60,703	352,467	18,906	21,974	23,773	85,608
New Hampshire	29,404	34,101	37,771	216,942	14,011	16,174	15,029	65,672
Vermont	18,576	27,825	27,242	177,814	7,253	8,685	8,910	35,062
Massachusetts	395,021	470,568	460,157	2,264,094	174,455	207,172	207,668	941,855
Rhode Island	57,881	68,111	69,015	391,817	29,303	34,532	37,092	184,532
Connecticut	168,906	204,764	212,055	1,049,478	68,873	69,314	72,263	356,042
<b>Middle Atlantic</b>	<b>3,000,366</b>	<b>3,494,222</b>	<b>3,354,858</b>	<b>18,842,633</b>	<b>963,873</b>	<b>1,123,900</b>	<b>1,343,784</b>	<b>5,335,489</b>
New York	1,741,722	2,000,440	2,222,306	11,025,684	484,090	577,893	619,302	2,802,826
New Jersey	335,420	480,739	433,834	2,151,790	158,246	180,396	197,125	964,087
Pennsylvania	922,214	1,013,043	1,198,718	5,664,964	321,537	365,671	427,297	1,747,976
<b>East North Central</b>	<b>2,338,440</b>	<b>2,879,580</b>	<b>3,350,792</b>	<b>14,979,058</b>	<b>610,451</b>	<b>709,909</b>	<b>883,904</b>	<b>2,965,933</b>
Ohio	617,004	784,703	811,525	4,026,645	211,271	281,545	314,018	990,870
Indiana	257,462	307,454	333,911	1,528,815	116,248	143,154	156,325	457,520
Illinois	862,332	990,601	1,181,066	5,430,754	164,354	219,310	232,000	918,235
Michigan	417,277	549,675	780,835	2,000,568	81,010	106,113	136,604	491,291
Wisconsin	204,366	247,247	262,535	1,392,274	37,568	42,877	45,038	222,067
<b>West North Central</b>	<b>1,170,866</b>	<b>1,324,871</b>	<b>1,310,661</b>	<b>7,068,283</b>	<b>180,097</b>	<b>233,433</b>	<b>262,077</b>	<b>812,910</b>
Minnesota	273,490	276,722	275,661	1,447,753	24,129	28,333	29,867	117,572
Iowa	203,115	254,500	238,208	1,390,695	19,862	22,470	22,485	85,365
Missouri	241,748	372,988	304,590	2,127,114	108,843	143,441	162,101	484,052
North Dakota	41,473	45,229	43,845	243,724	4	5	7	158
South Dakota	48,629	52,335	42,533	259,455	6	7	11	249
Nebraska	116,406	169,251	141,038	783,792	7,674	10,456	11,493	38,387
Kansas	145,806	153,546	174,906	825,750	10,580	28,721	36,133	87,107
<b>South Atlantic</b>	<b>970,729</b>	<b>1,117,380</b>	<b>1,152,754</b>	<b>5,629,181</b>	<b>362,481</b>	<b>482,447</b>	<b>569,849</b>	<b>1,279,351</b>
Delaware	23,759	38,928	40,537	178,135	9,632	12,000	11,591	49,573
Maryland	147,048	153,818	163,453	658,739	67,065	85,104	96,061	331,316
Dist. of Columbia	63,662	72,050	76,244	375,399	17,987	29,928	33,268	97,241
Virginia	159,426	145,823	140,073	833,539	62,803	84,598	88,716	180,549
West Virginia	106,091	111,489	125,882	594,970	25,934	32,367	35,551	95,113
North Carolina	153,419	171,529	172,405	871,330	67,015	77,077	88,277	194,858
South Carolina	76,539	86,854	81,100	453,041	35,749	54,760	59,952	103,450
Georgia	149,738	178,362	161,799	889,519	54,843	66,712	81,532	109,236
Florida	92,048	156,398	191,231	574,509	10,853	40,211	64,871	78,015
<b>East South Central</b>	<b>472,682</b>	<b>633,136</b>	<b>672,374</b>	<b>2,838,059</b>	<b>909,490</b>	<b>933,021</b>	<b>966,564</b>	<b>547,881</b>
Kentucky	127,456	175,504	152,593	809,606	64,685	75,901	93,738	222,248
Tennessee	100,202	218,003	185,663	919,421	80,367	86,498	107,306	198,070
Alabama	113,607	154,576	151,871	680,193	48,587	69,325	64,765	106,611
Mississippi	71,414	85,053	62,247	428,832	15,251	21,237	21,695	30,932
<b>West South Central</b>	<b>671,408</b>	<b>859,990</b>	<b>889,789</b>	<b>3,684,480</b>	<b>115,901</b>	<b>189,495</b>	<b>201,552</b>	<b>389,649</b>
Arkansas	56,004	117,121	111,572	484,353	14,345	19,900	12,291	39,256
Louisiana	98,129	134,009	117,220	637,920	26,329	40,851	45,112	116,378
Oklahoma	139,801	170,151	164,744	755,673	12,039	53,509	29,147	58,350
Texas	377,475	438,649	439,253	1,789,544	62,288	85,095	115,002	179,665
<b>Mountain</b>	<b>959,255</b>	<b>923,546</b>	<b>817,373</b>	<b>1,689,795</b>	<b>21,053</b>	<b>32,606</b>	<b>37,529</b>	<b>100,540</b>
Montana	39,073	43,155	38,643	220,169	2,421	4,127	3,148	11,453
Idaho	27,971	47,791	33,647	163,980	1,135	1,605	1,405	4,780
Wyoming	16,862	17,640	22,891	84,583	12	13	16	265
Colorado	88,815	111,306	133,021	503,306	12,524	15,674	16,432	58,082
New Mexico	14,394	14,506	12,073	77,841	80	85	64	344
Arizona	22,301	24,769	21,423	130,630	19	22	29	499
Utah	41,682	53,700	48,973	249,843	4,843	6,606	6,421	24,940
Nevada	8,176	10,658	5,804	42,443	10	4,376	14	236
<b>Pacific</b>	<b>792,911</b>	<b>972,970</b>	<b>972,407</b>	<b>4,441,081</b>	<b>95,419</b>	<b>123,316</b>	<b>148,305</b>	<b>477,849</b>
Washington	141,306	175,591	176,942	644,047	14,593	18,531	20,598	74,724
Oregon	88,552	102,061	100,289	499,940	6,203	7,773	7,950	30,258
California	563,054	695,318	695,176	3,097,034	74,617	97,011	120,757	372,837

<sup>1</sup> Includes group insurance

<sup>2</sup> Totals, except for industrial insurance written, 1924, include small amounts not distributed by States

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.



**No. 315.—LIFE INSURANCE OF FRATERNAL ORDERS IN THE UNITED STATES**

[NOTE.—Although the number of orders reporting varies considerably, most of the larger orders report regularly, so that the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of orders as given below include all known to be in existence whether reporting or not; thereafter they represent only the number reporting]

[All figures except number of orders and certificates expressed in thousands of dollars]

Calendar year	Number of orders	Assets	Liabilities	Income	
				Total	Net received from members
1901.....	489	29,427	8,470	81,629	72,243
1905.....	570	64,492	11,415	95,675	91,355
1910.....	497	129,427	18,755	128,632	114,339
1915.....	472	212,822	28,040	133,341	122,295
1917.....	533	280,738	32,736	155,090	140,417
1918.....	506	270,059	71,966	155,878	140,372
1919.....	463	295,581	57,903	180,124	160,021
1920.....	<sup>1</sup> 336	326,077	55,562	181,229	165,152
1921.....	<sup>1</sup> 283	326,520	63,662	194,798	171,174
1922.....	<sup>1</sup> 245	340,086	77,956	197,663	173,239
1923.....	<sup>1</sup> 227	490,855	100,837	206,570	128,149
1924.....	<sup>1</sup> 228	565,929	110,570	216,226	186,325
1925.....	<sup>1</sup> 224	628,262	125,989	222,147	188,370
1926.....	<sup>1</sup> 220	659,876	120,193	224,336	181,664

Calendar year	Disbursements			In force at end of year		
	Total	Paid for claims	To agents and for management	Amount of insurance written during year	Amount	Number of certificates (thousands)
1901.....	77,343	64,128	8,550	799,627	5,656,453	4,519
1905.....	85,154	72,552	11,349	1,026,308	8,150,351	6,119
1910.....	110,168	92,260	16,897	1,331,553	9,562,512	8,568
1915.....	123,625	98,720	16,133	922,891	8,694,449	7,696
1917.....	134,938	97,398	20,712	822,042	9,129,974	7,457
1918.....	137,191	118,621	17,782	834,170	8,838,579	8,021
1919.....	172,013	141,380	24,600	1,327,958	9,531,217	10,360
1920.....	135,807	109,595	26,213	1,177,971	8,879,452	8,439
1921.....	136,604	107,925	28,679	785,131	9,159,042	8,578
1922.....	151,589	110,568	34,063	915,555	8,687,939	8,016
1923.....	151,894	109,545	32,854	795,023	8,758,555	7,514
1924.....	153,308	116,432	31,789	1,006,813	9,805,648	12,514
1925.....	160,466	121,241	36,245	1,105,881	9,769,609	8,452
1926.....	159,264	121,212	34,304	1,033,285	9,834,697	8,549

<sup>1</sup> See headnote.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

98827°—SA 1928—21



No. 316.—MUTUAL ACCIDENT AND SICK BENEFIT ASSOCIATIONS: FINANCIAL CONDITION AND BUSINESS TRANSACTED

[NOTE.—Although many small companies formerly reporting are not covered in recent years, the larger companies have reported regularly, and the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of companies as given below include all known to be in existence whether reporting or not; thereafter they represent only the number reporting]

Year	Num-ber of com-panies	Ad-mitted assets	Net sur-plus	Pre-miums or assess-ments	In-come (includ-ing in-terest)	Paid for claims	Paid to agents, medical exami-ners, and for man-agement	Total dis-burse-ments	Certifi-cates written during year	Certifi-cates in force at end of year
		1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	Number	Number
1901.....	102	1,617	1,490	2,957	3,201	1,643	1,753	3,348	286,183	310,092
1905.....	165	3,769	3,198	6,134	7,513	3,513	3,330	6,862	667,809	887,804
1910.....	197	5,169	3,665	9,291	10,938	5,169	4,258	10,434	946,340	1,382,415
1915.....	177	7,103	4,483	10,969	12,555	6,955	4,354	11,769	693,654	1,359,368
1916.....	167	8,622	5,776	14,399	16,621	8,845	5,969	15,678	990,436	1,730,035
1917.....	167	9,972	6,798	15,627	18,134	9,115	5,770	16,162	1,137,077	1,878,222
1918.....	161	10,250	6,815	15,235	16,742	9,654	5,661	15,796	751,522	1,688,401
1919.....	123	12,745	8,898	19,295	21,033	10,257	7,605	18,366	797,845	1,837,435
1920.....	1 67	13,709	9,690	19,538	22,712	10,580	8,771	19,944	713,270	1,853,328
1921.....	1 62	15,250	11,149	18,929	22,125	10,584	7,621	19,306	607,438	1,773,787
1922.....	1 82	28,577	21,657	19,429	22,490	11,684	6,532	19,035	611,703	1,739,444
1923.....	1 127	30,749	17,488	31,462	34,435	17,932	12,711	30,938	582,168	1,679,361
1924.....	1 107	47,236	34,215	41,758	44,708	23,337	10,767	38,233	731,285	2,168,901
1925.....	1 167	46,682	31,558	40,807	44,903	22,395	15,019	36,672	807,722	2,170,563
1926.....	1 173	44,244	29,579	44,901	48,720	26,408	17,978	43,424	644,782	2,036,063

<sup>1</sup> See headnote.  
Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 317.—CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE: FINANCIAL CONDITION AND BUSINESS TRANSACTED (STOCK COMPANIES ONLY)

Year	Num-ber of com-panies	Capital	Assets	Net sur-plus over capital and liabilities	Net pre-miums <sup>1</sup>	Income	Pay-ments to policy-holders <sup>2</sup>	Actual expenses of man-agement (includ-ing taxes)	Total expendi-tures
		1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
1896.....	53	20,676	42,211	13,044	16,684	19,318	5,916	8,755	15,697
1900.....	57	23,572	65,808	27,059	27,186	30,348	12,755	15,419	27,504
1905.....	84	43,630	152,866	39,070	55,344	63,191	21,647	28,922	54,353
1910.....	154	65,485	309,716	78,176	94,395	111,042	41,465	57,915	100,115
1914.....	169	78,222	544,958	74,213	153,956	162,030	71,342	67,548	148,446
1915.....	181	78,024	603,670	78,035	160,320	174,892	75,444	74,251	159,397
1916.....	186	74,987	642,621	84,178	199,063	220,621	89,370	84,193	183,151
1917.....	189	74,273	692,195	76,796	241,514	257,518	104,986	95,171	208,948
1918.....	179	92,239	852,466	87,990	304,614	330,696	122,745	117,792	255,912
1919.....	174	89,484	926,951	89,651	364,389	392,239	150,176	145,087	313,430
1920.....	1 189	93,737	1,014,386	92,861	459,170	489,774	196,360	183,514	400,724
1921.....	1 205	98,874	1,139,586	115,749	467,046	499,742	229,284	205,675	460,522
1922.....	1 189	119,890	1,304,134	144,295	444,241	498,143	221,690	201,461	464,551
1923.....	1 240	138,251	1,492,323	156,909	545,689	582,827	277,395	238,747	532,945
1924.....	1 258	150,009	1,671,188	179,679	613,941	665,395	320,883	251,950	600,568
1925.....	1 274	159,630	1,934,744	202,680	698,729	752,037	347,440	286,024	660,092
1926.....	1 289	186,265	2,173,151	(4)	764,357	827,911	387,311	312,096	729,230

<sup>1</sup> Total premium receipts prior to 1910.  
<sup>2</sup> Includes all expenses in connection with payment of claims.  
<sup>3</sup> Number of companies which show figures for the year.  
<sup>4</sup> Not available.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

### No. 318.—MISCELLANEOUS INSURANCE OF STOCK, CASUALTY, SURETY, AND MISCELLANEOUS COMPANIES: BY CLASSES

[All money figures in thousands of dollars]

Class	1934			1935			1936		
	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent
Total.....	613, 768	373, 873	60. 1	577, 891	358, 504	60. 1	630, 630	381, 610	60. 6
Accident.....	32, 978	16, 063	48. 7	45, 348	20, 286	44. 7	46, 718	21, 503	46. 0
Automobile (not segregated)....	5, 122	2, 303	45. 0	8, 356	3, 501	41. 9	9, 438	4, 660	49. 7
Automobile collision.....	10, 592	6, 631	62. 6	12, 889	7, 769	60. 3	12, 379	8, 519	68. 6
Automobile fire.....	235	100	42. 5	134	65	52. 8	20	5	25. 7
Automobile fire, theft, confisca- tion, and embezzlement.....	99	26	25. 9						
Automobile fire, theft, etc. <sup>1</sup> .....	99, 936	42, 748	42. 7	103, 706	49, 099	47. 3	121, 352	60, 748	50. 1
Automobile liability.....	102, 432	48, 327	47. 2	116, 802	55, 664	47. 7	123, 512	64, 098	51. 9
Automobile property damage.....	33, 149	18, 826	56. 8	41, 977	21, 579	51. 4	47, 784	24, 617	51. 5
Automobile theft.....	278	147	52. 9	148	85	57. 8	22	10	45. 6
Burglary and theft.....	26, 808	13, 026	48. 6	28, 081	13, 311	47. 4	30, 833	12, 608	40. 9
Check forgery.....	14	( <sup>2</sup> )	2. 2	18	8	16. 3	23	3	14. 4
Credit.....	4, 240	1, 554	35. 7	4, 112	1, 495	36. 4	4, 926	1, 843	37. 4
Engine and machinery.....	2, 748	864	32. 2	3, 092	821	26. 5	3, 096	856	28. 1
Fidelity.....	31, 966	12, 496	39. 1	33, 957	12, 916	38. 1	36, 641	15, 541	42. 4
Health.....	15, 460	9, 696	62. 8	15, 504	9, 191	59. 3	16, 872	10, 956	64. 9
Health and accident.....	7, 916	3, 467	43. 8						
Liability.....	41, 448	22, 576	54. 4	47, 252	24, 173	51. 2	56, 880	28, 944	50. 1
Livestock.....	1, 274	830	64. 4	1, 324	877	66. 2	1, 099	818	74. 4
Noncancelable accident and health.....	2, 658	767	28. 0	4, 038	1, 297	32. 1	4, 328	1, 628	37. 6
Plate glass.....	16, 661	6, 032	36. 2	16, 702	5, 457	32. 7	16, 514	6, 398	38. 8
Property damage and collision.....	1, 726	1, 042	60. 4	1, 554	871	56. 1	1, 770	932	52. 7
Renewable accident and health.....	779	233	29. 9						
Sprinkler.....	837	409	48. 8	916	405	44. 2	931	491	52. 7
Steam boiler.....	6, 140	1, 047	17. 1	6, 505	940	14. 3	6, 741	970	14. 4
Surety.....	50, 737	21, 924	43. 2	56, 788	19, 093	33. 6	59, 311	17, 163	28. 9
Workmen's collective.....	290	106	40. 2	214	103	48. 1	238	120	50. 4
Workmen's compensation.....	116, 649	84, 070	72. 1	130, 506	89, 209	68. 4	146, 464	98, 542	67. 3
Other.....				2			8		

<sup>1</sup> Includes a small amount of automobile accident.

<sup>2</sup> Includes motor vehicle fire and theft insurance of fire and marine companies in addition to that of casualty companies, but only amounts placed with casualty companies are included in grand total.

<sup>3</sup> Includes combined automobile liability and property damage.

<sup>4</sup> Less than \$500.

<sup>5</sup> Includes combined fidelity and surety of companies not segregating same.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

### No. 319.—DIVIDEND AND INTEREST PAYMENTS

[NOTE.—All figures in thousands of dollars. Data cover railroad, industrial and traction companies, banks and trust companies, the National Government, and the New York City government.]

Calendar year	Total dividend and interest payments	Dividend payments		
		Total <sup>1</sup>	Industrial and miscellaneous corporations	Street railways
1913.....	1, 777, 237	638, 053	462, 320	296, 796
1914.....	1, 787, 376	621, 776	438, 357	294, 589
1915.....	1, 865, 111	792, 233	438, 487	283, 353
1916.....	2, 135, 033	926, 107	539, 832	313, 135
1917.....	2, 389, 136	1, 078, 270	678, 504	312, 460
1918.....	2, 724, 732	1, 022, 207	645, 461	289, 625
1919.....	3, 180, 185	956, 942	579, 167	284, 454
1920.....	3, 414, 876	962, 092	601, 690	285, 965
1921.....	3, 341, 809	922, 464	542, 402	284, 020
1922.....	3, 399, 719	930, 649	524, 675	282, 100
1923.....	3, 585, 217	963, 251	541, 441	289, 120
1924.....	3, 340, 590	1, 012, 699	566, 170	301, 195
1925.....	4, 085, 904	1, 070, 955	596, 060	315, 016
1926.....	4, 391, 179	1, 172, 685	664, 375	331, 116
1927.....	4, 751, 454	1, 279, 355	722, 375	349, 500

<sup>1</sup> Includes bank dividends not separately shown.

Source: Survey of Current Business, compiled from New York Journal of Commerce.

# No. 320.—CAPITAL ISSUES: CORPORATE, FOREIGN GOVERNMENT, FARM LOAN, AND STATE AND MUNICIPAL<sup>1</sup>

[All figures in millions and tenths of millions of dollars]

Kind of issue	1931	1932	1932	1934	1935	1936	1937
<b>TOTAL</b>							
All issues.....	4, 203. 8	5, 235. 9	4, 969. 7	6, 352. 5	7, 126. 0	7, 430. 3	9, 870. 9
Corporate, total.....	2, 390. 9	3, 073. 3	3, 232. 8	3, 838. 6	4, 738. 1	5, 299. 6	7, 301. 4
Domestic:							
Long-term bonds and notes.....	1, 781. 3	2, 195. 0	2, 262. 5	2, 319. 5	2, 667. 3	3, 059. 1	4, 465. 7
Short-term bonds and notes.....	213. 2	133. 8	180. 5	335. 7	308. 0	294. 5	305. 5
Preferred stocks.....	74. 9	332. 8	406. 7	346. 1	636. 8	543. 6	1, 048. 3
Common stocks.....	200. 2	287. 7	329. 2	519. 6	610. 1	676. 6	675. 5
Canadian.....	106. 1	42. 4	29. 8	112. 4	112. 3	203. 4	262. 8
Other foreign.....	15. 2	81. 7	24. 1	205. 4	403. 7	522. 4	543. 6
Foreign government.....	379. 3	431. 3	242. 8	778. 0	645. 4	514. 1	777. 1
Farm-loan issues.....	121. 9	386. 4	392. 5	179. 1	188. 2	131. 3	179. 6
State and municipal:							
Domestic.....	1, 208. 5	1, 100. 7	1, 063. 1	1, 399. 0	1, 399. 6	1, 365. 1	1, 464. 0
Canadian.....	76. 0	201. 1	50. 2	149. 0	146. 0	109. 8	135. 3
United States possessions.....	27. 1	43. 0	8. 2	8. 8	8. 7	10. 4	13. 5
<b>NEW CAPITAL</b>							
All issues.....	3, 576. 7	4, 304. 4	4, 304. 4	5, 593. 2	6, 230. 2	6, 344. 1	7, 735. 3
Corporate, total.....	1, 823. 0	2, 335. 7	2, 702. 5	3, 322. 3	4, 100. 7	4, 357. 0	5, 373. 2
Domestic:							
Long-term bonds and notes.....	1, 275. 5	1, 540. 4	1, 846. 1	1, 923. 8	2, 231. 3	2, 417. 7	2, 961. 5
Short-term bonds and notes.....	160. 9	104. 4	143. 3	276. 1	220. 7	249. 2	223. 7
Preferred stocks.....	71. 3	292. 8	335. 1	318. 0	594. 3	509. 3	867. 8
Common stocks.....	194. 2	277. 2	324. 1	511. 2	558. 3	577. 8	591. 8
Canadian.....	106. 1	40. 5	29. 8	97. 8	94. 5	140. 9	213. 0
Other foreign.....	15. 2	80. 4	24. 1	195. 4	401. 7	462. 2	515. 3
Foreign government.....	329. 3	416. 3	186. 8	570. 9	540. 8	481. 3	737. 6
Farm-loan issues.....	121. 9	344. 4	337. 5	179. 1	168. 7	91. 1	86. 8
State and municipal:							
Domestic.....	1, 199. 4	1, 070. 9	1, 043. 1	1, 379. 6	1, 352. 1	1, 343. 5	1, 436. 4
Canadian.....	76. 0	94. 0	26. 3	132. 4	49. 2	60. 8	89. 3
United States possessions.....	27. 1	43. 0	8. 2	8. 8	8. 7	10. 4	12. 0
<b>REFUNDING</b>							
All issues.....	627. 1	931. 5	685. 3	759. 3	905. 9	1, 086. 1	2, 135. 6
Corporate, total.....	567. 9	737. 5	530. 3	516. 3	687. 4	942. 6	1, 928. 2
Domestic:							
Long-term bonds and notes.....	505. 8	654. 6	416. 4	395. 7	436. 0	641. 4	1, 504. 2
Short-term bonds and notes.....	52. 4	29. 3	37. 2	59. 6	87. 3	45. 3	81. 8
Preferred stocks.....	3. 7	40. 0	71. 6	28. 1	42. 5	34. 3	180. 5
Common stocks.....	6. 1	10. 5	5. 2	8. 4	51. 8	98. 8	83. 7
Canadian.....		1. 9		14. 5	17. 8	62. 6	49. 8
Other foreign.....		1. 2		10. 0	2. 0	60. 2	28. 3
Foreign government.....	50. 0	15. 0	56. 0	207. 1	104. 6	32. 9	89. 5
Farm-loan issues.....		42. 0	55. 0		19. 5	40. 2	92. 8
State and municipal:							
Domestic.....	9. 2	29. 8	20. 0	19. 3	47. 5	21. 5	27. 6
Canadian.....		107. 1	23. 9	16. 6	96. 8	49. 0	46. 0
United States possessions.....							1. 5
<b>CORPORATE ISSUES, NEW CAPITAL</b>							
Total.....	1, 823. 0	2, 335. 7	2, 702. 5	3, 322. 3	4, 100. 7	4, 357. 0	5, 373. 2
Railroads.....	352. 7	523. 8	464. 5	779. 6	380. 3	346. 0	505. 7
Public utilities.....	491. 9	726. 2	888. 0	1, 325. 6	1, 496. 1	1, 604. 4	2, 074. 5
Iron, steel, coal, copper, etc.....	84. 8	184. 9	291. 9	197. 9	133. 1	193. 2	100. 5
Equipment manufacturers.....	8. 3	10. 2	13. 8	19. 0	13. 8	17. 8	23. 8
Motors and accessories.....	25. 7	48. 4	66. 8	29. 5	186. 1	131. 4	94. 7
Other industrial and manufacturing.....	281. 4	239. 7	324. 3	261. 4	501. 4	526. 9	704. 9
Oil.....	291. 5	151. 1	194. 8	167. 1	168. 4	262. 7	317. 0
Land, buildings, etc.....	53. 2	161. 9	250. 9	333. 4	715. 5	709. 5	630. 4
Rubber.....	86. 5	19. 8	1. 7	2. 0	64. 8	43. 2	12. 7
Shipping.....	2. 6	20. 5	3. 6	13. 8	30. 1	21. 5	26. 3
Miscellaneous.....	144. 3	249. 4	202. 3	192. 9	411. 2	500. 5	882. 9

<sup>1</sup>Includes bonds issued by States, counties, and municipalities, and by school and road districts and other independent governmental bodies.

Source: Commercial and Financial Chronicle.

No. 321.—CAPITAL ISSUES OF CORPORATIONS

[NOTE.—Data cover domestic and foreign corporate issues in the United States (excluding real estate offerings) of \$100,000 or over, both new capital and refunding. Beginning November, 1927, figures include privileged stock subscriptions]

[All figures in thousands of dollars]

Year	Total	Railway and traction <sup>1</sup>				Public utility and industrial <sup>1</sup>			
		Total	Bonds	Notes	Stocks	Total	Bonds	Notes	Stocks
1907.....	1,303,913	957,049	440,588	267,597	248,864	436,864	183,660	68,100	185,104
1908.....	1,423,199	999,115	604,114	274,105	120,896	424,084	197,850	21,850	204,384
1909.....	1,681,621	1,015,207	653,356	52,787	309,065	666,413	322,181	42,625	301,607
1910.....	1,518,272	876,581	547,649	212,951	115,981	641,691	290,846	61,754	289,091
1911.....	1,739,488	1,099,206	670,815	326,948	101,443	640,282	322,094	67,590	250,598
1912.....	2,253,587	1,096,052	503,715	346,310	246,027	1,157,536	379,355	120,076	658,106
1913.....	1,645,736	953,933	414,061	398,361	141,491	691,803	225,190	156,245	310,368
1914.....	1,436,518	930,657	433,422	421,999	75,236	505,861	214,977	104,347	186,538
1915.....	1,435,351	780,217	541,351	216,515	22,351	655,135	241,839	110,919	302,378
1916.....	2,186,500	779,921	359,114	311,181	109,626	1,406,579	535,175	199,507	671,897
1917.....	1,529,970	520,752	173,902	308,100	38,750	1,009,219	349,395	244,121	415,703
1918.....	1,344,810	417,305	158,997	256,843	1,465	927,506	190,598	440,646	296,262
1919.....	3,021,171	432,615	247,250	182,435	2,930	2,588,556	441,885	552,994	1,593,678
1920.....	3,106,931	415,935	258,505	145,954	11,475	2,690,996	754,943	790,331	1,145,722
1921.....	2,634,869	747,999	650,932	62,480	34,587	1,886,870	1,164,978	302,066	419,825
1922.....	3,423,948	700,238	423,115	248,299	28,823	2,723,710	1,580,695	65,567	1,077,449
1923.....	3,601,438	692,921	285,427	349,730	57,764	2,908,517	1,556,975	178,963	1,172,579
1924.....	3,219,146	963,421	599,817	326,273	37,331	2,255,726	1,548,565	102,500	604,661
1925.....	3,642,012	474,229	332,113	142,116	-----	3,167,783	1,762,136	371,197	1,034,450
1926.....	3,643,646	360,744	267,733	83,562	9,449	3,282,902	2,053,176	426,927	802,799
1927.....	5,970,297	791,202	685,406	100,102	5,693	5,179,084	3,505,910	589,532	1,083,642

Year	All classes of securities issued by—				Year	All classes of securities issued by—			
	Rail-roads	Public utilities	Manu-facturing	Miscel-laneous		Rail-roads	Public utilities	Manu-facturing	Miscel-laneous
1912.....	716,629	763,667	458,782	314,510	1920.....	328,969	589,953	929,591	1,258,417
1913.....	816,332	437,126	228,479	163,799	1921.....	644,780	743,640	583,798	662,650
1914.....	738,575	469,240	105,545	123,158	1922.....	673,713	864,668	566,927	1,318,640
1915.....	644,794	323,880	309,186	157,491	1923.....	658,457	1,199,405	696,511	1,047,066
1916.....	636,157	603,533	589,420	357,391	1924.....	914,283	1,190,681	643,228	470,955
1917.....	428,553	341,867	476,784	272,766	1925.....	432,011	1,533,365	1,009,055	667,581
1918.....	237,341	478,494	345,092	283,885	1926.....	360,744	1,667,751	847,629	767,520
1919.....	332,076	549,756	948,376	1,190,964	1927.....	791,202	2,405,298	1,067,272	1,686,515

<sup>1</sup> Tractions included with public utility and industrial in 1926 and 1927.

Source: New York Journal of Commerce.

No. 322.—NEW INCORPORATIONS: AUTHORIZED CAPITAL OF NEW ENTERPRISES  
CHARTERED WITH AUTHORIZED CAPITAL OF \$100,000 OR MORE

Calendar year	Authorized capital	Calendar year	Authorized capital	Calendar year	Authorized capital
	<i>1,000 dollars</i>		<i>1,000 dollars</i>		<i>1,000 dollars</i>
1907.....	2,545,063	1914.....	1,581,418	1921.....	7,959,141
1908.....	2,059,184	1915.....	2,061,348	1922.....	8,399,963
1909.....	2,465,507	1916.....	3,489,186	1923.....	9,370,748
1910.....	2,869,073	1917.....	4,607,894	1924.....	7,224,532
1911.....	2,906,002	1918.....	2,469,803	1925.....	9,881,203
1912.....	3,288,245	1919.....	12,678,830	1926.....	10,947,209
1913.....	2,191,659	1920.....	14,999,044	1927.....	4,603,704

Source: New York Journal of Commerce, based on official returns furnished by secretaries of state of the various States.

No. 323.—MOVEMENTS OF AVERAGE PRICES OF STOCKS AND BONDS ON THE NEW YORK STOCK EXCHANGE, BY YEARS

Year	Stocks (dollars per share)						Price index, 40 bonds (per cent of par) <sup>2</sup>	Bond yields municipal bonds (per cent) <sup>3</sup>
	25 industrials			25 railroads				
	High	Low	Average closing <sup>1</sup>	High	Low	Average closing <sup>1</sup>		
1913.....	67.08	50.27	58.19	91.41	75.92	82.97	-----	4.45
1914.....	61.68	48.48	58.08	84.94	66.35	77.57	-----	4.16
1915.....	109.97	51.85	75.35	82.84	64.40	73.16	76.76	4.23
1916.....	119.30	86.60	99.14	85.70	74.83	80.05	80.49	4.06
1917.....	99.74	62.81	85.44	81.22	52.06	69.12	75.58	4.31
1918.....	91.55	71.31	80.98	70.75	56.95	61.34	69.84	4.58
1919.....	138.12	80.37	105.77	68.78	54.48	62.06	69.07	4.50
1920.....	129.83	76.55	107.21	63.55	48.86	55.94	59.70	5.04
1921.....	90.60	66.24	79.38	63.00	47.59	53.21	60.15	5.02
1922.....	116.24	79.86	98.58	70.53	52.57	62.38	74.11	4.21
1923.....	118.41	99.05	107.78	67.05	54.61	60.15	71.72	4.27
1924.....	135.11	103.26	115.08	81.41	57.80	67.18	74.32	4.21
1925.....	185.36	128.83	152.65	95.29	73.50	82.48	77.04	4.13
1926.....	186.03	137.65	165.70	102.60	81.61	93.27	80.36	4.13
1927.....	247.48	171.49	214.54	124.22	99.34	113.81	83.69	3.99

<sup>1</sup> Average of daily closing prices for these stocks.

<sup>2</sup> Combined from the yields of the average prices of the selected bonds for each day of the month, the average yield being capitalized at 4 per cent to give the combined index.

<sup>3</sup> Average market yield of bonds of 20 large cities at the end of each month since Jan. 31, 1917; previous figures are for the first of the month.

Sources: Stock prices, The Annalist; bond price index, Dow, Jones & Co.; bond yields, the Bond Buyer

No. 324.—NEW YORK STOCK EXCHANGE TRANSACTIONS

Item	1920	1921	1922	1923	1924	1925	1926	1927
Stocks (millions of shares).....	227	173	259	236	282	454	451	516
Bonds (millions of dollars):								
Railway and miscellaneous.....	827	1,043	1,905	1,568	2,345	2,332	2,004	2,142
United States Government.....	2,861	1,957	1,873	796	877	391	262	290
State, municipal, and foreign.....	289	324	592	425	582	661	721	837

Source: Commercial and Financial Chronicle.

No. 325.—INDEXES OF VALUE OF SALES OF MAIL-ORDER HOUSES AND CHAIN STORES

[NOTE.—1923-1925 average = 100. Indexes for mail-order houses cover four companies throughout. The number of chain-store companies reporting varied from year to year, but in computing the indexes adjustment has been made for these variations. No adjustment has been made, however, to eliminate the influence of increase in the number of stores operated by the individual companies which accounts for a considerable part of the increase in the indexes. Sales are much affected by changes in price levels. For price index see Table 326.]

Year	Mail-order houses	Chain stores						
		Grocery	5-and-10-cent	Wearing apparel	Drug	Cigar	Shoe	Candy
1919.....	93	45	53	36	64	72	76	53
1920.....	96	66	64	52	78	96	91	73
1921.....	67	59	66	59	79	95	86	75
1922.....	73	69	74	64	82	93	86	77
1923.....	92	85	88	83	93	98	93	93
1924.....	98	97	99	98	98	100	101	101
1925.....	110	118	113	119	109	102	106	106
1926.....	115	143	125	149	126	111	113	114
1927.....	120	174	138	189	143	110	115	119

Source: Federal Reserve Board.

## No. 326.—INDEXES OF VALUE OF WHOLESALE SALES

[NOTE.—1922-1923 average = 100, except as to price index, which is the Department of Labor revised index, 1923=100, see p. 330. Indexes of sales have been adjusted for variations in number of firms reporting. Sales are much affected by changes in price levels.]

Year and month	Total sales, 9 lines	Groceries	Meats	Dry goods	Men's clothing	Women's clothing	Boots and shoes	Hardware	Drugs	Furniture	General wholesale price index
1919	110	118	145	■	78	93	140	98	91	■	139
1920	114	126	121	107	106	95	125	116	95	■	154
1921	87	93	80	91	72	84	99	80	86	73	98
1922	89	93	83	89	80	90	97	84	87	85	97
1923	101	100	94	103	99	109	104	102	97	102	101
1924	98	101	96	97	98	97	98	97	99	93	98
1925	101	99	110	■	103	94	98	101	104	105	104
1926	98	98	115	94	95	70	101	100	107	102	100
1927	95	94	106	89	92	68	104	95	106	100	95
1927, BY MONTHS											
Without seasonal adjustment											
January	86	86	113	78	85	71	92	82	102	86	97
February	91	91	107	88	123	95	87	82	95	98	95
March	103	94	104	95	138	108	111	102	117	114	96
April	90	90	104	76	85	64	100	96	108	97	94
May	88	95	109	76	52	39	111	93	98	98	94
June	87	101	106	78	46	28	85	96	99	90	94
July	88	92	104	81	78	43	107	80	100	84	94
August	111	97	111	125	165	98	122	98	110	111	95
September	112	102	117	113	140	95	127	106	122	117	97
October	106	102	122	99	101	87	114	105	128	118	97
November	93	100	101	88	61	45	110	98	113	105	97
December	82	90	103	70	48	39	82	■	99	83	97
With seasonal adjustment											
January	94	93	113	83	84	77	112	92	104	98	■
February	95	93	112	87	97	75	110	93	103	98	■
March	96	96	108	90	101	67	97	96	106	101	■
April	93	95	111	86	87	68	94	94	106	96	■
May	95	97	109	87	87	89	110	91	104	98	■
June	93	96	104	88	90	65	90	92	106	102	■
July	95	91	102	88	90	79	124	92	105	102	■
August	100	97	■	102	101	73	111	97	112	109	■
September	96	94	109	91	92	66	104	99	114	108	■
October	91	90	109	86	81	34	91	94	111	99	■
November	95	94	105	89	86	67	105	100	112	100	■
December	93	92	109	87	93	61	101	97	106	89	■

## No. 327.—INDEXES OF VALUES OF SALES BY DEPARTMENT STORES

[NOTE.—1922-1923 average = 100. Index covers about 500 firms in recent years. See note, Table 326.]

Year	United States	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City	Dallas	San Francisco
1919	78	78	76	79	77	84	94	■	■	93	■	98	98
1920	94	91	91	93	96	93	113	■	■	105	■	117	83
1921	87	89	87	89	86	89	96	82	90	97	■	97	79
1922	88	82	89	91	87	86	90	85	89	93	■	90	83
1923	96	96	96	101	100	97	100	98	99	99	■	96	96
1924	99	100	99	99	99	99	98	98	98	99	95	100	99
1925	103	102	105	100	101	104	102	104	103	102	100	104	106
1926	106	105	109	■	103	107	106	111	105	99	95	109	110
1927	■	106	111	95	104	105	107	112	103	97	95	106	113

Month	United States—unadjusted							United States—with seasonal adjustment						
	1921	1922	1923	1924	1925	1926	1927	1921	1922	1923	1924	1925	1926	1927
January	81	71	■	87	86	90	89	96	85	91	99	98	106	106
February	71	65	72	82	80	81	83	92	83	93	105	103	104	106
March	92	81	99	91	96	102	100	91	85	99	99	103	101	106
April	80	■	94	104	106	103	111	■	88	97	99	102	103	106
May	88	■	102	100	100	107	102	■	87	95	97	101	107	103
June	87	87	101	94	99	101	101	88	88	102	100	100	102	104
July	■	63	71	72	75	78	75	88	87	96	96	100	104	108
August	■	70	79	74	78	83	89	83	87	99	95	101	107	111
September	73	84	89	93	95	101	100	79	90	100	100	102	109	109
October	97	103	117	111	129	124	119	86	91	100	95	110	110	105
November	95	105	113	111	114	121	122	83	92	99	101	104	106	107
December	138	160	161	168	178	184	186	82	93	100	100	106	110	111

<sup>1</sup> Monthly average sales in 1923 = 100.

Sources of Tables 326 and 327: Federal Reserve Board.

## No. 328.—COMMERCIAL FAILURES: NUMBER AND ASSETS AND LIABILITIES

Calendar year	Number of failures	Aggregate liabilities	Average liability	Calendar year	Total number of concerns in business	Number of failures	Aggregate assets	Aggregate liabilities	Average liability
		1,000 dollars	Dollars				1,000 dollars	1,000 dollars	Dollars
1887	4,932	291,750	59,158	1898	1,193,118	15,242	—	346,780	22,751
1888	4,225	95,749	22,662	1899	1,114,174	13,685	—	172,993	12,458
1889	3,913	64,394	16,456	1900	1,209,282	13,197	21,022	173,196	13,124
1890	3,576	79,807	21,710	1901	1,151,579	15,088	56,082	226,096	14,985
1891	5,993	207,210	29,631	1902	1,058,521	13,351	85,014	154,332	11,559
1903	1,652	23,049	13,952	1903	1,105,830	12,186	52,577	130,663	10,722
1904	495	7,899	15,958	1904	1,147,595	9,337	50,221	90,880	9,733
1905	520	8,579	16,498	1905	1,174,300	10,774	78,080	138,496	12,654
1906	520	17,625	23,256	1906	1,219,242	11,002	55,456	113,092	10,279
1907	1,505	53,783	35,736	1907	1,253,172	11,615	68,720	117,477	10,137
1908	2,780	96,686	34,772	1908	1,281,481	12,069	90,014	155,444	12,879
1909	2,006	63,694	24,423	1909	1,320,172	12,199	94,438	144,202	11,830
1910	2,799	75,054	26,815	1910	1,357,455	11,520	57,826	102,676	8,913
1911	3,546	88,242	24,885	1911	1,392,949	10,682	69,810	119,202	11,159
1912	2,915	85,252	29,246	1912	1,418,075	11,725	138,536	197,385	16,834
1913	4,069	121,056	29,751	1913	1,447,554	15,090	146,199	222,316	14,169
1914	5,183	228,499	44,086	1914	1,486,389	12,924	102,773	154,003	11,963
1915	6,830	155,239	26,629	1915	1,515,143	12,652	136,528	201,757	15,947
1916	7,740	201,000	25,977	1916	1,525,024	13,441	124,517	191,062	14,215
1917	9,092	191,118	21,020	1917	1,564,379	15,452	126,287	203,117	13,145
1918	8,672	190,870	21,491	1918	1,616,617	16,037	174,666	272,672	17,003
1919	10,478	234,383	22,366	1919	1,655,496	18,260	265,293	357,909	19,579
1920	1,658	98,149	14,741	1920	1,674,788	22,156	183,454	302,286	13,644
1921	4,735	95,352	13,586	1921	1,707,639	16,903	113,599	196,312	11,547
1922	5,582	81,156	14,530	1922	1,733,225	13,855	103,465	182,441	13,168
1923	6,738	101,548	15,070	1923	1,708,061	9,982	101,638	163,020	16,331
1924	9,184	172,874	18,823	1924	1,710,909	6,451	67,038	113,291	17,561
1925	10,968	226,343	20,632	1925	1,821,400	8,881	196,504	295,122	33,230
1926	10,637	134,220	11,676	1926	1,927,304	19,652	409,038	627,402	31,928
1927	9,834	114,644	11,651	1927	1,983,106	23,676	413,358	623,696	26,351
1928	9,634	167,561	17,391	1928	1,996,004	18,718	385,382	539,967	28,816
1929	10,679	123,830	12,559	1929	2,047,302	20,615	337,945	543,225	26,351
1930	10,682	148,784	13,892	1930	2,113,312	21,214	248,067	443,744	20,918
1931	10,907	189,857	17,406	1931	2,168,457	21,773	302,345	499,232	16,795
1932	12,273	189,809	15,471	1932	2,171,688	23,146	256,740	520,104	22,471

	Jan	Feb	Mar	Apr	May	June	July	Aug.	Sept.	Oct	Nov	Dec.
<b>Number:</b>												
1918	1,178	980	1,142	905	980	804	786	720	674	600	570	663
1919	673	602	629	543	581	485	462	468	473	403	551	581
1920	509	492	566	504	547	674	681	673	677	923	1,050	1,525
1921	1,693	1,641	1,336	1,487	1,356	1,329	1,444	1,502	1,446	1,713	1,968	2,444
1922	2,723	2,331	2,463	2,167	1,960	1,740	1,753	1,714	1,565	1,708	1,737	1,814
1923	2,126	1,508	1,682	1,520	1,530	1,358	1,231	1,119	1,226	1,673	1,704	1,841
1924	2,108	1,730	1,817	1,707	1,816	1,607	1,615	1,520	1,506	1,696	1,633	2,040
1925	2,317	1,793	1,859	1,939	1,767	1,745	1,685	1,513	1,465	1,581	1,672	1,878
1926	2,296	1,801	1,964	1,957	1,730	1,708	1,606	1,593	1,437	1,763	1,830	2,069
1927	2,465	2,035	2,143	1,968	1,852	1,833	1,756	1,708	1,573	1,767	1,864	2,162
<b>Liabilities (1,000 dollars)</b>												
1918	19,279	12,829	17,672	14,272	13,135	10,607	9,790	7,985	17,407	13,980	13,815	12,249
1919	10,736	11,486	13,565	11,450	11,957	9,483	8,507	8,932	8,791	6,872	9,177	8,300
1920	7,240	9,763	12,999	13,224	10,826	32,991	21,906	28,373	29,574	38,915	30,758	58,872
1921	52,137	60,852	47,400	38,568	57,066	34,639	42,774	42,004	37,021	53,050	53,470	87,602
1922	73,796	72,808	71,009	73,059	44,403	38,424	40,040	40,290	50,006	34,647	40,265	58,069
1923	49,210	46,028	48,393	51,492	41,022	28,678	35,721	34,335	28,669	49,302	50,292	51,615
1924	51,273	35,942	36,451	48,904	39,591	34,099	36,813	55,154	34,256	38,006	34,124	65,279
1925	64,354	40,123	34,005	37,189	37,027	36,701	34,505	37,150	30,687	29,544	36,922	36,528
1926	43,651	34,176	30,023	38,487	33,543	29,406	29,090	28,130	29,990	33,231	32,094	45,620
1927	51,290	40,941	57,891	53,156	37,785	34,405	43,150	49,196	32,786	36,236	36,147	51,062

Source: Dun's Review, New York, N. Y.



## No. 329.—COMMERCIAL FAILURES: BY STATES

(Assets and liabilities in thousands of dollars)

Division and State	Number of concerns in business		Number of failures		Per cent of failures		Assets		Liabilities	
	1926	1927	1926	1927	1926	1927	1926	1927	1926	1927
United States.....	2,166,467	2,171,000	21,773	22,146	1.01	1.07	208,346	206,740	406,222	390,104
New England.....	164,981	166,043	2,296	2,465	1.43	1.48	16,943	20,974	47,003	55,076
Maine.....	18,943	18,174	215	197	1.13	1.08	1,133	739	2,511	1,906
New Hampshire.....	10,662	10,705	86	96	.81	.90	269	391	886	900
Vermont.....	7,753	7,719	43	50	.55	.65	642	171	1,094	302
Massachusetts.....	86,363	87,730	1,368	1,384	1.58	1.59	10,802	12,201	29,771	37,779
Rhode Island.....	12,333	12,130	190	211	1.54	1.74	1,234	576	3,380	1,855
Connecticut.....	28,927	29,576	494	527	1.71	1.78	4,862	6,864	10,161	12,153
Middle Atlantic.....	546,982	556,045	5,148	5,167	.94	.93	61,200	76,563	122,506	156,580
New York.....	274,875	282,008	3,245	3,248	1.17	1.15	35,427	49,057	67,754	97,932
New Jersey.....	81,567	82,578	742	777	.91	.94	8,506	11,747	20,832	23,381
Pennsylvania.....	188,540	191,459	1,161	1,142	.62	.60	17,327	14,758	33,922	35,246
East North Central.....	464,964	463,455	4,267	4,550	.92	.98	53,257	54,497	90,804	100,645
Ohio.....	120,050	120,635	1,329	1,251	1.02	1.04	13,455	22,021	25,267	34,457
Indiana.....	62,296	62,978	564	610	.91	.97	6,237	7,746	11,087	16,164
Illinois.....	130,695	140,635	1,326	1,356	.95	.96	15,770	14,274	27,974	31,105
Michigan.....	83,521	80,010	643	795	.77	.99	12,719	5,635	18,770	10,373
Wisconsin.....	59,402	59,177	503	538	.85	.91	5,077	4,820	7,805	8,447
West North Central.....	355,487	344,111	2,208	2,279	.62	.67	11,809	23,656	25,496	42,666
Minnesota.....	46,681	45,859	768	760	1.66	1.66	2,900	3,385	7,547	8,855
Iowa.....	46,867	44,245	329	308	.70	.70	2,546	2,025	4,950	4,318
Missouri.....	73,384	74,417	616	718	.84	.96	3,280	14,178	6,831	22,908
North Dakota.....	11,087	11,000	60	69	.54	.62	671	655	944	1,261
South Dakota.....	12,259	12,001	62	76	.51	.63	453	565	895	1,177
Nebraska.....	28,105	20,667	169	248	.60	1.20	711	1,428	2,162	2,632
Kansas.....	37,104	35,763	184	200	.50	.56	988	1,398	2,136	2,455
South Atlantic.....	218,289	220,084	1,986	2,545	.90	1.16	21,906	26,626	44,280	67,887
Delaware.....	5,510	5,030	19	26	.34	.52	218	228	474	2,801
Maryland.....	24,163	32,485	277	384	.81	1.58	2,299	7,799	7,984	13,454
Dist of Columbia.....	9,136	9,492	112	128	1.23	1.35	882	2,108	1,950	3,786
Virginia.....	31,659	32,481	309	338	.98	1.04	1,462	2,008	4,173	5,079
West Virginia.....	26,320	25,887	336	303	1.28	1.17	3,794	5,805	5,378	8,106
North Carolina.....	34,336	34,578	286	325	.83	.94	4,432	6,133	6,952	9,905
South Carolina.....	16,040	16,048	169	157	1.05	.98	2,261	1,517	3,141	3,174
Georgia.....	29,133	29,676	301	306	1.03	1.04	3,546	3,885	7,343	6,911
Florida.....	31,802	34,416	189	576	.59	1.67	2,372	7,047	6,885	14,721
East South Central.....	115,122	114,651	883	1,010	.74	.88	6,601	10,641	13,109	18,947
Kentucky.....	37,082	36,551	275	220	.74	.60	2,642	2,042	4,769	4,972
Tennessee.....	31,137	31,445	214	317	.69	1.01	1,677	5,533	3,155	7,723
Alabama.....	26,212	26,157	230	286	.88	1.09	1,268	1,866	3,212	3,925
Mississippi.....	20,701	20,196	134	167	.65	.83	1,014	1,201	1,946	2,327
West South Central.....	166,123	166,591	1,497	1,477	.91	.87	12,186	11,512	23,383	24,439
Arkansas.....	24,180	24,534	247	297	1.02	1.21	4,859	2,740	7,133	5,476
Louisiana.....	25,131	25,972	117	128	.47	.49	950	1,118	3,835	2,539
Oklahoma.....	36,794	37,760	406	393	1.10	1.04	1,965	2,508	4,297	4,484
Texas.....	79,018	81,335	727	659	.92	.81	4,414	5,107	10,118	12,361
Mountain.....	57,033	56,152	777	617	1.36	1.08	4,061	5,417	5,493	7,903
Montana.....	9,335	9,387	173	125	1.85	1.33	563	534	1,231	974
Idaho.....	7,020	7,269	93	76	1.32	1.06	352	599	828	506
Wyoming.....	4,320	4,033	55	49	1.27	1.21	357	219	548	403
Colorado.....	18,082	19,283	234	162	1.29	.84	1,630	2,334	3,275	3,202
New Mexico.....	4,805	4,706	30	27	.62	.57	241	650	450	1,065
Arizona.....	4,696	4,942	26	25	.55	.51	240	250	362	377
Utah.....	7,134	6,860	156	137	2.17	2.00	652	794	1,700	1,168
Nevada.....	1,640	1,690	11	16	.67	.95	45	36	87	87
Pacific.....	164,945	171,070	2,629	2,949	1.60	1.71	12,144	17,659	31,943	44,669
Washington.....	33,783	34,170	483	605	1.43	1.77	2,399	3,738	5,856	10,069
Oregon.....	20,665	21,619	505	540	2.44	2.50	3,080	3,504	6,120	8,123
California.....	109,917	115,281	1,641	1,791	1.49	1.55	7,665	10,610	19,267	26,477

<sup>1</sup> Total includes net changes reported by supplemental telegraphic reports, amounting to 6,102 in 1926 and 7,265 in 1927, not distributed by States.

Source: Dun's Review, New York, N. Y.

**No. 330.—FAILURES IN MANUFACTURING, TRADING, AND OTHER COMMERCIAL BUSINESS, AND BANK SUSPENSIONS: BY STATES, 1927**

[Liabilities in thousands of dollars]

Division and State	Manufacturing		Trading		Agents, brokers, etc.		Bank suspensions	
	Num- ber	Liabil- ities	Num- ber	Liabil- ities	Num- ber	Liabil- ities	Num- ber	Liabil- ities
<b>United States</b> .....	<b>5,683</b>	<b>211,504</b>	<b>16,062</b>	<b>228,194</b>	<b>1,362</b>	<b>60,406</b>	<b>394</b>	<b>143,449</b>
<b>New England</b> .....	<b>336</b>	<b>21,422</b>	<b>1,447</b>	<b>17,888</b>	<b>120</b>	<b>5,766</b>		
Maine.....	42	321	143	1,521	12	63		
New Hampshire.....	23	254	70	699	3	8		
Vermont.....	13	77	33	306	4	9		
Massachusetts.....	111	24,376	727	10,178	119	3,226		
Rhode Island.....	60	792	137	875	14	217		
Connecticut.....	162	5,602	337	4,307	28	2,244		
<b>Middle Atlantic</b> .....	<b>1,534</b>	<b>65,676</b>	<b>3,290</b>	<b>65,620</b>	<b>343</b>	<b>24,664</b>	<b>3</b>	<b>1,838</b>
New York.....	1,016	46,900	2,012	28,377	220	22,655		
New Jersey.....	273	10,880	435	7,884	69	4,617		
Pennsylvania.....	245	8,096	843	19,659	54	7,691	3	1,888
<b>East North Central</b> .....	<b>1,177</b>	<b>44,326</b>	<b>3,114</b>	<b>45,318</b>	<b>259</b>	<b>10,940</b>	<b>42</b>	<b>19,665</b>
Ohio.....	358	20,589	832	10,226	61	3,642	9	2,178
Indiana.....	191	5,072	389	9,585	30	1,507	17	11,581
Illinois.....	304	10,820	965	15,646	87	4,738	11	4,366
Michigan.....	187	3,515	599	6,337	39	521	1	250
Wisconsin.....	167	4,290	329	3,625	42	532	5	1,311
<b>West North Central</b> .....	<b>442</b>	<b>18,422</b>	<b>1,790</b>	<b>21,166</b>	<b>146</b>	<b>4,102</b>	<b>196</b>	<b>47,163</b>
Minnesota.....	196	3,224	499	4,788	65	833	46	9,895
Iowa.....	62	614	245	3,287	11	417	34	14,164
Missouri.....	128	13,700	642	6,880	39	2,412	27	5,125
North Dakota.....	5	345	61	817	3	99	24	4,759
South Dakota.....	2	3	72	1,163	2	11	21	4,642
Nebraska.....	32	302	199	2,158	17	171	14	3,641
Kansas.....	18	224	172	2,073	10	159	30	5,035
<b>South Atlantic</b> .....	<b>427</b>	<b>21,206</b>	<b>1,964</b>	<b>24,010</b>	<b>124</b>	<b>12,623</b>	<b>46</b>	<b>42,376</b>
Delaware.....	8	2,577	17	221	1	4		
Maryland.....	108	6,148	243	5,267	33	2,039	2	3,735
District of Columbia.....	40	1,976	79	1,716	9	94		
Virginia.....	58	1,392	267	2,630	13	1,057		
West Virginia.....	39	4,241	233	3,074	11	791	5	2,079
North Carolina.....	42	2,193	275	7,522	8	190	10	4,011
South Carolina.....	11	546	144	2,573	2	55	11	2,300
Georgia.....	33	777	267	4,718	8	1,316	5	481
Florida.....	68	1,350	459	6,238	49	7,077	13	29,810
<b>East South Central</b> .....	<b>129</b>	<b>6,880</b>	<b>849</b>	<b>10,223</b>	<b>22</b>	<b>1,563</b>	<b>18</b>	<b>6,168</b>
Kentucky.....	46	1,745	192	3,009	12	219	5	1,385
Tennessee.....	49	3,170	255	2,964	13	1,586	6	1,618
Alabama.....	25	1,775	254	2,102	7	48	2	3,085
Mississippi.....	9	169	174	2,158			5	105
<b>West South Central</b> .....	<b>136</b>	<b>2,479</b>	<b>1,311</b>	<b>20,786</b>	<b>31</b>	<b>601</b>	<b>46</b>	<b>13,910</b>
Arkansas.....	41	651	247	4,608	9	216	11	4,050
Louisiana.....	16	248	108	2,273	4	20		
Oklahoma.....	25	214	362	4,004	6	246	12	1,669
Texas.....	53	2,341	594	9,901	12	119	23	7,471
<b>Mountain</b> .....	<b>84</b>	<b>658</b>	<b>508</b>	<b>6,297</b>	<b>27</b>	<b>753</b>	<b>17</b>	<b>3,950</b>
Montana.....	29	168	88	768	8	34	2	285
Idaho.....	8	43	63	528	5	24	6	2,375
Wyoming.....	8	89	40	309	1	5	1	235
Colorado.....	18	320	141	2,519	3	362	5	563
New Mexico.....	1	30	23	800	3	266	1	125
Arizona.....	2	44	22	309	1	25		
Utah.....	15	139	118	1,004	4	25	2	376
Nevada.....	3	20	11	60	2	8		
<b>Pacific</b> .....	<b>913</b>	<b>19,166</b>	<b>1,791</b>	<b>18,678</b>	<b>230</b>	<b>8,302</b>	<b>25</b>	<b>8,968</b>
Washington.....	175	4,964	407	4,943	23	182	8	4,280
Oregon.....	181	3,736	321	3,171	38	1,217	12	3,242
California.....	557	10,466	1,063	8,565	169	7,904	5	1,455

Source Dun's Review, New York, N. Y.

## No. 331.—FAILURES, BY BRANCHES OF BUSINESS

[NOTE.—Machinery, vehicles, etc., includes shipbuilding; lumber includes furniture; clothing includes furnishings; glass, etc., includes pottery, lime, cement, and stone. In the trading group, groceries include creameries; hotels include lodging houses and caterers; dry goods includes department stores; furniture includes glass and glassware. Agents, brokers, etc., include real estate, insurance, storage, express, harbor lines, etc.]

	Number				Aggregate liabilities (in thousands of dollars)				Average liability, 1937 (dollars)
	1934	1935	1936	1937	1934	1935	1936	1937	
<b>Total commercial</b>	<b>30,816</b>	<b>31,314</b>	<b>31,773</b>	<b>33,146</b>	<b>543,235</b>	<b>443,744</b>	<b>409,232</b>	<b>390,104</b>	<b>23,471</b>
<b>Total manufacturing</b>	<b>5,306</b>	<b>5,090</b>	<b>5,395</b>	<b>5,632</b>	<b>356,770</b>	<b>167,685</b>	<b>158,043</b>	<b>311,505</b>	<b>37,234</b>
Iron, foundries, and mills	60	57	80	120	7,864	2,209	5,896	18,125	151,047
Machinery, vehicles, etc.	471	412	312	254	50,323	18,319	19,949	12,953	50,994
Woolens, carpets, and knit goods	63	70	48	36	4,853	4,866	3,193	1,537	42,703
Cottons, lace, and hosiery	16	10	21	20	2,189	784	5,145	4,816	240,780
Lumber, carpenters and coopers	378	466	644	850	11,567	20,834	21,218	43,986	51,748
Clothing and millinery	673	634	585	494	15,286	10,772	11,440	12,551	25,407
Hats, gloves, and furs	142	85	121	153	7,653	1,964	2,278	2,491	16,278
Chemicals and drugs	78	78	61	64	42,119	3,411	1,429	3,712	57,993
Paints and oils	16	23	17	11	331	309	537	262	23,782
Printing and engraving	191	198	230	204	3,821	3,910	3,490	7,613	28,837
Milling and bakers	449	518	500	481	5,510	4,529	5,031	5,012	10,872
Leather, shoes, and harness	300	163	133	140	4,390	5,021	4,029	7,870	56,217
Tobacco, etc.	108	89	89	104	3,524	4,336	3,912	4,288	41,228
Glass, earthenware, and brick	92	65	65	91	5,525	4,840	2,119	8,400	92,310
All other	2,271	2,232	2,489	2,620	121,984	31,582	68,375	77,890	29,739
<b>Total trading</b>	<b>14,393</b>	<b>15,161</b>	<b>15,368</b>	<b>16,063</b>	<b>303,190</b>	<b>318,369</b>	<b>301,334</b>	<b>328,194</b>	<b>14,189</b>
General stores	1,452	1,305	1,217	1,214	18,927	20,006	17,396	18,740	15,436
Groceries, meat, and fish	3,067	3,356	3,633	3,543	26,783	29,757	29,637	29,307	8,272
Hotels and restaurants	843	1,072	928	1,046	10,510	12,494	13,869	18,342	17,440
Tobacco, etc.	320	328	277	232	2,348	2,834	2,473	1,704	7,346
Clothing and furnishings	2,072	2,118	2,058	2,157	27,205	33,161	34,708	28,524	13,234
Dry goods and carpets	959	1,035	1,021	1,187	27,032	21,616	19,405	22,090	18,610
Shoes, rubbers, and trunks	731	732	597	729	11,065	8,221	6,453	8,983	11,911
Furniture and crockery	559	631	606	686	8,295	10,744	11,774	11,593	16,900
Hardware, stoves, and tools	379	413	430	465	6,809	8,438	7,251	7,559	16,255
Chemicals and drugs	528	495	532	714	5,117	5,078	6,335	7,608	10,655
Paints and oils	57	72	83	85	644	928	966	932	10,967
Jewelry and clocks	355	445	406	420	5,850	8,357	7,168	7,592	18,075
Books and papers	96	112	121	142	1,042	1,418	2,432	2,661	18,737
Hats, furs, and gloves	114	114	91	92	1,850	1,711	1,031	1,592	17,308
All other	2,801	2,934	3,168	3,370	51,704	50,565	50,444	61,367	18,210
<b>Agents, brokers, etc.</b>	<b>1,014</b>	<b>963</b>	<b>1,110</b>	<b>1,382</b>	<b>53,265</b>	<b>60,691</b>	<b>49,866</b>	<b>80,405</b>	<b>58,189</b>
<b>Bank suspensions</b>	<b>613</b>	<b>454</b>	<b>606</b>	<b>394</b>	<b>302,226</b>	<b>164,899</b>	<b>212,075</b>	<b>143,440</b>	<b>364,004</b>

Year	Number of failures					Liabilities (in thousands of dollars)				
	Commercial				Banks	Commercial				Banks
	Total	Manufacturing	Trading	Agents, brokers, etc.		Total	Manufacturing	Trading	Agents, brokers, etc.	
1911	13,441	3,502	9,480	459	107	191,062	87,372	84,240	19,450	25,512
1912	13,452	3,839	11,011	602	79	203,117	86,730	91,780	24,618	24,230
1913	16,037	4,243	11,145	649	120	272,672	123,123	115,115	34,435	31,546
1914	18,280	4,620	12,851	809	212	357,909	135,636	165,865	56,406	58,005
1915	22,156	5,116	16,030	1,010	133	302,286	112,026	150,234	40,026	37,223
1916	16,993	4,196	11,923	874	50	196,212	73,000	91,374	31,839	10,397
1917	13,855	3,691	9,420	734	42	182,441	79,544	70,117	32,781	18,452
1918	9,982	2,766	6,494	722	20	163,020	73,382	57,911	31,727	5,132
1919	6,451	1,865	4,013	573	50	113,291	51,614	37,679	24,007	16,521
1920	8,881	2,635	5,532	714	119	295,122	127,992	88,558	78,571	50,708
1921	19,652	4,495	13,999	1,158	404	627,492	232,907	254,794	139,700	173,028
1922	23,676	5,682	16,923	1,071	277	623,896	214,925	271,388	137,683	77,736
1923	18,718	4,968	13,064	686	578	539,387	281,316	209,930	48,140	203,739

Source: Dun's Review, New York, N. Y.

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## 14. PRICES

[The revised wholesale price index of the Department of Labor on a 1926 base by commodity groups and months for earlier years and by degree of manufacture were not available until July 1926, and are therefore shown in supplemental tables on pp. 612 to 616. For agricultural prices see Tables 583, 589, 610, 612 to 621, 647, and 648. For other price statistics shown in tables devoted to specific commodities consult index.]

[GENERAL NOTE.—The wholesale price index number (1913=100) of the Department of Labor, shown in tables 332 to 334, 338 and 339, is based on primary market quotations of 404 commodities. The revised index based on the year 1926, shown in Tables 335 to 337, 392 and 393, covers 550 commodities.

The retail food index is based on the weighted average quotations (weighted by average family consumption in 1918) as of the 15th of the month, secured from retail stores in 51 cities since 1920 and from a smaller number in earlier years, for 22 commodities to 1920 and for 43 commodities in 1921 and subsequent years. The farm price index is constructed by weighting prices paid to producers for 30 products. Average quotations for the period, August, 1909-July, 1914, are used as a base, and each price series is weighted by the average annual marketings of farmers in the years 1918 to 1923.]

### No. 332.—WHOLESALE, RETAIL, AND FARM PRICES: INDEX NUMBERS

Year	Yearly average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1913 average=100													
<b>Wholesale prices:</b>													
1916.....	126.8	112.8	115.1	118.5	121.1	122.4	122.6	123.2	126.3	129.4	135.6	145.6	148.8
1917.....	177.2	152.9	156.8	162.4	172.9	182.6	185.5	187.6	189.4	187.1	182.7	183.1	182.4
1918.....	194.3	184.3	183.7	186.6	190.0	190.1	191.4	196.1	199.7	204.0	201.9	202.9	202.2
1919.....	206.4	198.8	193.4	195.9	198.7	202.2	202.8	212.0	215.9	210.3	211.3	217.1	223.4
1920.....	226.2	232.2	232.4	234.4	244.6	246.7	243.3	240.7	231.4	226.2	211.3	196.4	179.2
1921.....	146.9	169.8	160.1	155.4	147.9	145.5	141.6	141.0	141.5	141.5	141.6	140.7	139.8
1922.....	148.8	138.3	141.4	142.2	142.6	147.8	149.6	154.9	155.0	153.3	154.1	155.5	156.2
1923.....	153.7	155.8	156.7	158.6	158.7	156.2	153.5	150.6	150.1	153.7	153.1	152.1	151.0
1924.....	149.7	151.2	151.7	149.9	148.4	146.9	144.6	147.0	149.7	148.8	151.9	152.7	157.0
1925.....	158.7	160.0	160.6	161.0	156.2	155.2	157.4	159.9	160.4	159.7	157.6	157.7	158.2
1926.....	151.0	156.0	155.0	151.5	151.1	151.7	152.3	150.7	149.2	150.5	149.7	148.1	147.2
1927.....	146.8	146.9	146.4	145.3	144.2	144.1	143.7	144.6	146.6	149.3	150.1	149.5	149.1
<b>Retail food prices:</b>													
1916.....	113.7	107	106	107	109	109	112	111	113	118	121	126	126
1917.....	146.4	128	132	133	145	151	152	146	149	158	157	155	157
1918.....	168.3	160	161	164	164	168	162	166	171	178	181	183	187
1919.....	185.9	185	172	175	182	185	184	190	192	188	189	192	197
1920.....	203.4	201	200	200	211	213	219	219	207	204	196	193	178
1921.....	153.3	172	158	156	152	145	144	148	155	153	153	152	160
1922.....	141.6	142	142	139	139	139	141	142	139	140	143	145	147
1923.....	146.2	144.4	142.3	141.9	143.1	143.4	144.3	147.2	146.4	149.3	149.8	151.1	150.3
1924.....	145.9	149.1	147.3	143.7	141.3	141.0	142.4	143.3	144.2	146.8	148.7	150.1	151.5
1925.....	157.4	154.3	151.4	151.7	150.8	151.6	155.0	159.9	160.4	159.0	161.6	167.1	165.5
1926.....	160.6	164.3	161.5	159.9	162.4	161.1	159.7	157.0	155.7	156.5	160.0	161.6	161.8
1927.....	155.4	160.3	156.0	153.6	153.6	155.4	156.5	153.4	152.4	154.0	156.1	156.5	156.9
August, 1909-July, 1914=100													
<b>Farm prices:</b>													
1916.....	117	104	106	106	110	111	112	113	117	123	128	137	139
1917.....	176	140	148	159	174	188	189	185	183	184	187	187	191
1918.....	200	194	197	199	200	198	196	197	203	207	204	200	201
1919.....	209	200	194	197	207	215	216	222	222	208	206	209	212
1920.....	205	219	221	222	230	235	234	234	209	194	178	158	140
1921.....	116	135	128	123	115	112	110	111	116	118	120	116	115
1922.....	124	114	118	123	123	127	128	126	120	119	123	126	131
1923.....	135	134	136	136	137	135	133	130	128	132	134	136	137
1924.....	134	137	136	131	130	129	130	132	139	132	138	137	139
1925.....	147	146	146	151	147	146	148	149	152	144	143	144	143
1926.....	136	143	143	140	140	139	139	136	133	134	130	130	127
1927.....	131	126	127	126	125	126	130	130	132	140	139	137	137

Sources: Wholesale and retail prices, Department of Labor; farm prices, Department of Agriculture.

# No. 333.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: INDEX NUMBERS

[NOTE.—For explanation of these indexes see general note, p. 317. For indexes for all commodities for prior years see Table 334. The revised series of wholesale price indexes based on 1926 are shown in Tables 335 to 337, 792, and 793]

[1913 average=100]

Period	All commodities	Farm products	Foods	Cloths and clothing	Fuel and lighting	Metals and metal products	Building materials	Chemicals and drugs	House-furnishing goods	Miscellaneous
1890.....	80.5	69.8	86.4	94.9	62.2	115.9	81.9	91.3	88.5	99.5
1891.....	80.0	75.0	85.3	90.8	60.3	101.5	77.9	92.3	89.4	96.6
1892.....	74.8	68.5	79.4	91.2	56.9	92.5	73.5	93.1	85.4	90.7
1893.....	76.6	70.7	85.1	89.7	57.6	84.6	73.3	90.6	85.3	91.7
1894.....	68.7	61.4	75.1	79.3	56.0	72.3	70.1	81.7	80.5	88.4
1895.....	70.0	61.2	73.6	77.3	65.9	77.5	68.3	80.7	77.3	92.9
1896.....	66.7	55.0	68.7	75.8	64.5	78.4	68.5	81.1	76.9	91.7
1897.....	66.8	59.2	70.8	74.8	55.3	71.6	66.0	88.5	75.4	93.3
1898.....	69.6	62.8	74.3	77.0	56.3	71.9	69.7	96.6	78.0	95.6
1899.....	74.9	64.1	74.3	80.4	67.2	110.1	76.8	101.2	79.9	99.7
1900.....	80.5	70.4	79.0	87.8	75.5	107.9	81.4	102.4	86.8	103.7
1901.....	79.3	73.6	78.6	81.0	72.9	102.5	78.1	106.0	86.9	95.7
1902.....	84.4	81.4	83.0	82.5	84.5	100.2	79.9	107.9	87.4	92.6
1903.....	85.5	77.2	81.0	87.4	98.5	99.3	82.2	104.8	90.4	101.6
1904.....	85.6	81.1	84.0	87.9	87.0	88.0	79.3	104.9	89.2	110.0
1905.....	86.2	78.8	85.8	90.4	80.9	98.2	84.8	102.7	88.3	117.0
1906.....	88.6	80.3	83.2	98.2	84.9	112.8	95.2	95.8	91.1	116.3
1907.....	93.5	86.7	88.7	104.7	88.8	120.9	100.2	97.9	97.6	111.2
1908.....	90.1	86.5	91.4	93.8	87.7	95.0	91.8	99.2	91.6	101.1
1909.....	96.9	97.0	97.4	97.6	84.2	93.1	94.6	99.7	91.7	130.3
1910.....	100.9	103.2	101.1	99.9	77.8	93.8	97.5	102.3	95.8	151.1
1911.....	93.0	93.0	96.5	95.8	76.2	89.0	97.6	101.7	93.5	111.1
1912.....	99.1	101.3	104.0	97.2	83.9	98.6	98.5	100.7	94.0	110.2
1913.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1914.....	98.1	102.6	101.8	97.7	92.9	84.9	92.0	100.7	100.0	95.4
1915.....	100.8	103.9	104.5	98.3	87.9	99.3	94.0	133.7	99.8	94.7
1916.....	126.8	122.8	121.2	127.0	126.4	161.8	120.3	180.9	106.3	120.8
1917.....	177.2	189.6	167.2	175.3	168.9	231.0	157.0	202.0	125.4	148.3
1918.....	194.3	218.5	188.4	228.0	169.8	187.1	172.0	215.1	152.5	156.3
1919.....	206.4	230.8	206.6	252.9	180.5	162.1	201.4	169.3	183.6	174.7
1920.....	228.2	217.9	219.7	295.5	241.4	191.7	264.1	199.7	253.8	195.5
1921.....	146.9	123.7	144.0	179.5	199.4	129.0	165.4	135.6	195.1	128.1
1922.....	148.8	133.3	138.4	180.8	217.5	122.0	168.4	124.2	175.8	117.5
1923.....	153.7	141.2	143.8	200.1	185.1	144.4	189.1	131.0	183.1	122.7
1924.....	149.7	143.4	144.2	190.9	170.3	134.5	175.1	130.4	172.8	116.7
1925.....	158.7	158.1	157.5	189.6	174.7	129.9	175.1	134.4	169.2	134.7
1926.....	151.0	142.2	152.9	175.9	179.9	126.7	173.4	130.6	161.8	123.9
1927.....	146.8	143.5	148.9	172.2	162.2	120.3	162.6	121.6	157.7	121.2
1925										
January-March.....	160.5	162.1	158.5	190.9	173.3	135.2	180.6	134.6	171.7	125.7
April-June.....	156.3	153.4	154.2	188.8	169.9	127.3	172.9	133.2	170.3	132.6
July-September.....	160.0	161.8	158.9	189.3	170.5	127.0	172.2	134.5	168.7	138.7
October-December.....	157.2	153.8	158.3	188.2	173.8	129.1	175.5	134.9	166.6	139.4
1926										
January.....	156.0	151.8	156.2	185.5	176.5	128.9	177.9	133.2	164.9	135.3
February.....	155.0	149.9	153.2	183.9	179.4	128.4	177.1	132.3	163.9	132.9
March.....	151.5	144.0	151.4	180.5	175.1	127.7	175.5	131.6	163.9	128.3
April.....	151.1	144.9	153.2	176.8	174.0	126.5	173.2	130.3	163.4	126.5
May.....	151.7	144.2	153.8	176.1	178.7	125.2	171.6	130.7	162.2	124.7
June.....	152.3	143.7	156.6	175.1	179.2	125.1	171.2	131.1	161.7	122.5
July.....	150.7	140.8	153.6	173.3	177.0	126.2	171.5	130.9	161.1	122.5
August.....	149.2	137.9	150.8	174.7	179.5	126.6	171.8	130.8	160.8	121.8
September.....	150.5	141.1	152.0	175.2	182.0	127.0	172.4	130.8	160.4	120.4
October.....	149.7	138.4	152.0	171.5	184.4	126.7	172.1	129.3	160.3	118.6
November.....	148.1	134.6	151.1	169.9	190.2	126.5	174.0	128.5	159.9	117.7
December.....	147.2	134.9	151.0	168.6	182.9	125.7	172.7	128.2	159.4	117.8
1927										
January.....	146.9	137.2	149.6	167.3	179.8	124.4	169.7	122.1	157.4	117.9
February.....	146.4	136.9	148.2	168.7	177.1	122.2	167.9	122.0	157.5	118.5
March.....	145.3	136.6	147.1	168.4	168.3	122.8	166.8	120.7	157.4	118.6
April.....	144.2	136.7	147.3	169.1	160.6	121.9	175.0	121.8	157.4	118.5
May.....	144.1	137.4	148.0	169.6	158.2	120.6	165.6	121.9	157.4	120.2
June.....	143.7	138.2	146.4	169.6	158.7	119.6	164.3	121.8	157.3	120.5
July.....	144.6	140.5	145.5	170.8	158.5	118.9	162.4	121.2	157.4	121.1
August.....	146.6	146.2	146.2	173.4	158.3	119.9	160.8	120.9	157.9	122.3
September.....	149.3	152.9	149.8	178.6	158.7	118.8	159.3	121.9	158.1	121.0
October.....	150.1	153.4	153.3	178.6	157.6	117.8	158.3	122.5	158.0	121.5
November.....	149.5	153.0	153.7	176.7	155.9	117.7	156.6	122.8	158.5	122.8
December.....	149.1	153.1	151.9	176.3	155.3	118.7	156.0	121.3	158.2	125.6

Source: Bureau of Labor Statistics, Department of Labor.

**No. 334.—WHOLESALE PRICES: INDEX NUMBERS, 1860 TO 1890**

[NOTE—Indexes are arithmetic averages of unweighted relative prices, published in 1893 by the Committee on Finance, United States Senate, on an 1860 base, later recomputed to the 1913 base by the Bureau of Labor Statistics, Department of Labor.]

[1913 average = 100]

Year	General index	Year	General index	Year	General index	Year	General index
1860	88	1868	142	1876	104	1884	87
1861	88	1869	135	1877	97	1885	82
1862	103	1870	125	1878	89	1886	81
1863	130	1871	119	1879	83	1887	81
1864	167	1872	122	1880	94	1888	83
1865	190	1873	121	1881	93	1889	83
1866	168	1874	117	1882	95	1890	80
1867	151	1875	112	1883	93		

**No. 335.—WHOLESALE PRICES OF COMMODITY SUBGROUPS: INDEX NUMBERS**

[1913 = 100]

Subgroup	Year					March,	June,	September,	December,
	1913	1914	1915	1916	1917	1917	1917	1917	1917
Grains	88.0	100.6	118.3	100.0	100.9	93.0	109.7	102.9	102.0
Livestock and poultry	77.7	79.3	98.9	100.0	98.9	100.6	90.6	104.9	97.9
Other farm products	116.7	114.2	114.5	100.0	99.2	90.2	95.9	107.6	109.7
Butter, cheese, and milk	103.4	94.5	101.1	100.0	104.0	106.1	97.7	105.6	110.0
Meats	76.2	75.7	93.3	100.0	92.7	89.9	88.6	92.2	92.6
Other foods	90.6	100.0	104.5	100.0	96.2	93.0	97.1	■	97.7
Hides and skins	117.6	110.2	118.7	100.0	120.4	102.8	123.8	128.4	136.4
Leather	104.1	99.8	104.8	100.0	109.2	100.2	107.6	115.4	122.4
Books and shoes	99.1	98.4	100.5	100.0	102.5	99.8	101.0	105.6	107.1
Other leather products	103.8	103.9	104.0	100.0	104.1	101.2	101.2	104.9	109.4
Cotton goods	116.9	114.7	110.0	100.0	97.9	92.7	95.1	100.1	103.3
Silk and rayon	129.5	103.1	104.5	100.0	88.1	90.6	90.3	86.6	83.2
Woolen and worsted goods	107.5	106.8	110.2	100.0	97.6	98.8	97.1	97.3	■
Other textile products	77.4	87.1	104.1	100.0	95.4	93.5	93.0	96.9	96.7
Anthracite coal	100.8	98.6	99.7	100.0	96.3	96.8	94.8	94.5	96.8
Bituminous coal	113.4	99.7	96.5	100.0	100.4	100.1	100.3	102.4	97.4
Coke	118.8	97.2	97.7	100.0	94.4	96.0	94.2	94.0	91.9
Manufactured gas	104.8	102.9	101.9	100.0	97.9	98.1	99.0	98.2	96.2
Petroleum products	82.6	83.5	95.0	100.0	72.7	80.0	68.0	66.4	66.2
Iron and steel	117.3	109.4	102.2	100.0	95.9	97.4	95.1	94.7	98.7
Nonferrous metals	95.3	93.0	101.4	100.0	91.8	95.1	90.0	90.7	92.3
Agricultural implements	98.8	105.7	100.4	100.0	99.2	99.4	99.4	99.3	98.8
Automobiles	108.7	107.5	105.3	100.0	102.5	99.8	102.9	102.2	104.6
Other metal products	103.3	101.7	100.5	100.0	100.2	99.5	100.6	100.7	100.7
Lumber	111.8	99.3	100.6	100.0	92.5	95.0	■	91.0	88.0
Brick	103.6	103.4	100.1	100.0	93.2	93.6	93.4	93.2	92.2
Portland cement	107.9	105.7	102.6	100.0	96.7	96.5	96.5	96.5	96.5
Structural steel	123.7	114.2	102.2	100.0	94.7	97.0	94.5	93.2	91.9
Paint materials	101.3	99.7	109.3	100.0	91.0	92.5	92.7	90.0	86.5
Other building materials	105.5	104.0	100.4	100.0	94.1	96.4	94.5	92.3	92.5
Chemicals	100.6	102.2	104.1	100.0	100.0	97.4	99.9	101.4	102.2
Drugs and pharmaceuticals	98.7	95.8	97.7	100.0	87.3	88.7	87.7	86.7	81.9
Fertilizer materials	102.5	92.6	98.8	100.0	96.2	100.1	98.3	92.1	95.0
Mixed fertilizers	107.4	96.9	100.4	100.0	93.0	100.0	84.8	91.7	95.2
Furniture	116.7	107.9	104.6	100.0	97.6	97.8	97.8	97.6	97.1
Furnishings	104.6	103.4	102.2	100.0	98.6	98.6	99.0	99.3	99.8
Cattle feed	118.5	110.2	112.7	100.0	117.8	110.9	117.8	117.7	128.9
Paper and pulp	102.8	100.7	105.2	100.0	92.2	92.8	92.0	92.4	90.9
Rubber, crude	81.3	54.3	149.9	100.0	77.9	84.1	76.1	92.2	84.2
Automobile tires				100.0	76.3	78.7	78.3	77.4	69.9
Other miscellaneous	102.0	100.8	98.6	100.0	99.9	■	100.6	100.2	98.6

Source of Tables 334 and 335: Bureau of Labor Statistics, Department of Labor.



# No. 336.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: REVISED INDEX NUMBERS

[NOTE.—For explanation of indexes see general note, p. 317. For monthly data for 1913 to 1924, see supplemental Table No. 792, p. 813]

[1926=100]

Year or month	All com- modi- ties	Farm prod- ucts	Foods	Hides and leather prod- ucts	Tex- tile prod- ucts	Fuel and light- ing	Metals and metal prod- ucts	Build- ing mate- rials	Chem- icals and drugs	House- fur- nish- ing goods	Mis- cella- neous
1913	69.8	71.5	64.2	68.1	57.3	61.3	90.8	56.7	80.2	56.3	93.1
1914	68.1	71.2	64.7	70.9	54.6	56.6	80.2	52.7	81.4	56.8	89.9
1915	69.5	71.5	65.4	75.5	54.1	51.8	86.3	53.5	112.0	56.0	86.9
1916	85.5	84.4	75.7	93.4	70.4	74.3	116.5	67.6	160.7	61.4	100.6
1917	117.5	129.0	104.5	123.8	98.7	105.4	150.6	88.2	165.0	74.2	122.1
1918	131.3	148.0	119.1	125.7	137.2	109.2	136.5	98.6	182.3	98.3	134.4
1919	138.6	157.6	129.5	174.1	135.3	104.3	130.9	115.6	157.0	105.9	139.1
1920	154.4	150.7	137.4	171.3	164.8	163.7	149.4	150.1	164.7	141.8	167.5
1921	97.6	88.4	90.6	109.2	94.5	96.8	117.5	97.4	115.0	113.0	109.2
1922	96.7	93.8	87.6	104.6	100.2	107.3	102.9	97.3	100.3	108.5	92.8
1923	100.6	98.6	92.7	104.2	111.3	97.3	109.3	108.7	101.1	108.9	98.8
1924	98.1	100.0	91.0	101.4	106.7	92.0	106.3	102.3	98.9	104.9	95.5
1925	103.5	109.8	100.2	105.4	108.3	96.5	103.2	101.7	101.8	103.1	113.9
1926	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1927	95.4	99.4	96.5	107.9	95.7	86.5	98.2	93.3	96.6	98.2	89.9
1925											
January	103.5	113.8	99.7	109.9	108.8	91.5	106.5	103.8	102.7	104.5	101.7
February	104.5	112.4	97.7	110.9	109.2	100.6	106.1	105.2	101.6	104.5	99.0
March	104.8	112.8	99.1	109.1	109.4	98.1	105.4	103.3	101.5	103.7	100.3
April	102.4	107.6	97.3	106.5	108.6	94.6	103.5	101.1	100.9	103.9	106.5
May	102.1	107.3	96.7	104.3	107.7	95.5	103.0	101.4	100.7	103.9	110.0
June	103.4	109.3	97.8	103.5	106.9	99.0	102.8	99.6	100.2	103.4	117.1
July	104.6	112.1	99.4	104.3	107.1	98.2	102.9	99.3	100.4	102.9	126.5
August	104.2	111.6	101.2	104.1	107.4	95.5	101.7	100.6	101.4	102.9	118.0
September	103.7	110.0	101.6	103.6	107.6	94.1	100.9	101.1	102.6	102.4	120.0
October	103.6	107.0	103.8	103.1	108.3	95.1	100.7	101.3	103.0	102.9	121.9
November	104.5	108.1	106.2	103.1	107.7	97.6	101.4	101.5	103.6	102.1	124.4
December	103.4	105.4	102.4	103.6	107.0	98.3	101.2	101.9	102.8	102.1	121.5
1926											
January	103.6	107.4	102.6	103.3	106.3	98.7	99.9	102.3	101.6	101.4	116.8
February	102.1	105.1	100.5	101.4	105.2	99.1	99.6	101.8	100.8	101.0	109.0
March	100.4	101.7	99.1	100.1	103.0	98.1	99.3	101.1	100.2	100.9	106.3
April	100.1	102.8	100.4	98.7	101.3	97.7	98.8	100.0	99.9	100.8	103.9
May	100.5	102.4	100.1	98.9	100.1	100.8	98.3	99.1	100.2	100.2	102.5
June	100.5	100.9	100.5	98.8	99.4	101.0	99.1	98.9	100.9	100.0	101.0
July	99.5	98.6	98.8	99.0	98.5	99.5	100.7	99.4	100.4	99.9	97.5
August	99.0	97.2	97.5	99.7	98.5	100.6	101.0	99.5	99.8	99.8	95.4
September	99.7	99.3	99.8	98.8	98.9	101.5	101.2	99.5	100.2	99.5	94.2
October	99.4	97.9	100.8	101.0	97.7	101.3	101.0	99.5	99.1	99.4	93.4
November	98.4	94.7	100.5	100.4	96.3	102.5	100.8	100.1	98.6	99.1	90.8
December	97.9	94.9	100.7	100.4	95.2	99.4	100.4	99.2	98.8	98.8	89.9
1927											
January	96.6	96.5	96.9	101.0	94.3	97.7	98.8	97.5	97.6	97.9	90.3
February	95.9	95.4	95.9	100.2	94.6	95.8	98.0	96.2	97.6	97.9	90.6
March	94.5	94.2	94.5	100.5	94.0	90.0	98.2	95.3	97.1	97.8	90.9
April	93.7	94.3	94.6	101.7	94.2	84.9	97.8	95.0	97.8	97.8	91.3
May	93.7	96.3	94.4	103.7	93.9	83.9	98.6	95.1	95.4	97.8	91.3
June	93.8	96.5	94.4	107.3	94.3	84.2	98.2	94.6	95.8	98.0	90.2
July	94.1	97.6	93.9	111.7	94.3	84.2	97.7	93.7	95.3	98.0	89.3
August	95.2	102.2	94.2	111.7	96.2	84.1	98.0	92.9	95.4	98.6	89.9
September	96.5	105.9	96.5	112.5	98.5	84.2	97.6	92.1	96.4	98.6	89.2
October	97.0	105.0	100.0	113.0	98.4	83.8	97.1	91.6	97.1	98.5	88.3
November	96.7	104.3	101.5	114.3	97.5	82.9	97.0	90.2	97.4	98.9	88.3
December	96.8	104.4	100.7	116.9	97.2	82.5	98.4	90.4	97.2	98.8	89.0
1928											
January	96.3	106.1	98.5	121.0	96.7	80.8	98.1	90.8	96.3	98.6	89.0
February	96.4	104.5	98.7	124.1	96.6	81.2	98.3	91.0	95.8	98.4	87.3
March	96.0	103.5	98.0	124.0	96.5	80.8	98.4	91.0	95.6	98.3	86.8
April	97.4	107.6	99.5	126.7	96.5	80.8	98.4	92.5	95.8	97.9	84.9
May	98.6	109.8	101.2	126.3	96.6	81.8	98.6	93.5	95.3	97.8	85.1
June	97.6	106.7	100.3	123.7	96.3	82.1	98.7	93.9	94.9	97.0	82.2

Source: Bureau of Labor Statistics, Department of Labor.

# No. 337.—WHOLESALE PRICES OF LEADING COMMODITIES, ACTUAL AND RELATIVE

[NOTE.—This list is a selection from among the 550 commodities entering into the revised general index of wholesale prices of the Department of Labor, shown in Table 336]

Commodity	Unit	Average price						Index numbers (1926=100) 1927
		1913	1923	1924	1925	1926	1927	
I.—FARM PRODUCTS								
Barley, feeding, Chicago	Bushel	0.625	0.660	0.817	0.844	0.694	0.825	119
Corn, contract grades, Chicago	do	.625	.821	.972	1.038	.759	.882	116
Corn, No. 3, mixed, Chicago	do	.616	.811	.957	1.014	.736	.851	116
Oats, No. 2, white, Chicago	do	.376	.439	.514	.467	.430	.497	116
Rye, No. 2, Chicago	do	.636	.752	.916	1.128	.954	1.046	110
Wheat No. 2, red winter, Chicago	do	.986	1.170	1.280	1.770	1.542	1.378	89
Wheat, No. 2, hard, Kansas City	do	.877	1.112	1.232	1.670	1.496	1.372	92
Wheat, No. 1, northern spring, Minneapolis	do	.874	1.181	1.289	1.607	1.549	1.369	88
Cattle, steers, good to choice, Chicago	100 lbs	8.507	9.952	9.669	10.659	9.529	12.688	133
Hogs, fair to choice, light, Chicago	do	8.454	7.839	8.417	12.347	13.115	10.602	81
Lambs, western, fair to good, Chicago	do	7.794	13.446	14.339	15.219	13.701	13.860	101
Poultry, live fowls, Chicago	Pound	.154	.208	.217	.229	.252	.225	90
Cotton, middling, New Orleans	do	.127	.287	.279	.230	.168	.172	102
Eggs, firsts, Chicago	Dozen	.226	.315	.334	.369	.335	.300	90
Eggs, firsts, New York	do	.249	.347	.364	.398	.356	.320	90
Apples, fresh, Baldwins, Chicago	Barrel	3.174	4.997	4.675	5.938	4.102	4.522	110
Oranges, choice, California	Box	4.420	5.168	5.798	7.662	5.957	7.094	119
Hay, alfalfa, Kansas City	Ton	14.186	23.827	22.611	20.159	21.034	18.594	88
Hay, timothy, No. 1, Chicago	do	16.029	23.789	24.885	23.490	23.481	19.447	83
Milk, fluid, Chicago	100 lbs	1.991	3.051	3.023	2.930	2.940	2.975	101
Milk, fluid, New York	do	2.061	3.535	3.167	3.554	3.623	3.732	103
Peanuts, Norfolk	Pound	.036	.063	.063	.062	.060	.055	110
Flaxseed, Minneapolis	Bushel	1.349	2.737	2.501	2.721	2.328	2.202	95
Tobacco, leaf, Kentucky	100 lbs	8.909	15.058	14.729	13.928	8.472	11.276	133
Potatoes, white, Chicago	do	1.024	1.457	1.372	2.105	3.013	2.309	77
Wool, Ohio, medium grades	Pound	.252	.538	.548	.558	.457	.447	98
II.—FOODS								
Butter, creamery, extra:								
Chicago	Pound	.310	.460	.410	.442	.429	.458	107
New York	do	.323	.468	.427	.454	.443	.473	107
San Francisco	do	.317	.487	.437	.503	.436	.454	104
Cheese, whole milk, Chicago	do	.142	.232	.196	.230	.217	.241	111
Milk, evaporated, New York	Case	3.535	4.708	4.144	4.336	4.393	4.564	104
Beef, fresh, carcass, steers, Chicago	Pound	.130	.158	.171	.180	.164	.186	113
Lamb, fresh, Chicago	do	.149	.253	.251	.269	.262	.262	100
Hams, Chicago	do	.166	.212	.202	.271	.308	.246	80
Pork, mess, New York	Barrel (200 lbs.)	22.471	26.322	27.915	38.928	37.447	34.500	92
Pork, sides clear, Chicago	Pound	.127	.120	.144	.223	.201	.187	93
Pork, fresh (composite price), Chicago	do		.136	.142	.205	.224	.183	82
Poultry, Chicago	do	.145	.245	.249	.245	.271	.232	86
Bread, Chicago	do	.043	.076	.074	.075	.075	.075	100
Bread, New York	do	.042	.069	.070	.070	.070	.070	100
Coffee, Rio No. 7, New York	do	.111	.115	.168	.203	.182	.148	81
Salmon, canned, Alaska, red	Dozen		2.378	2.487	3.069	3.326	2.868	86
Flour, short patents, winter, Kansas City	Barrel	4.012	6.159	6.796	8.525	8.035	7.388	92
Flour, standard patents, Minneapolis	do	4.584	6.385	7.191	8.828	8.426	7.433	88
Flour, patents, Portland, Oreg.	do	4.495	7.211	7.574	9.190	7.984	7.475	94
Raisins, coast, seeded, New York	Pound		.092	.073	.075	.092	.074	80
Bananas, Jamaicas, New York	Bunch		2.285	2.454	2.447	2.451	2.202	90
Lard, prime, contract, New York	Pound	.110	.123	.133	.168	.150	.129	86
Oleomargarine, standard, uncolored, Chicago	do	.163	.209	.222	.243	.228	.223	98
Rice, Honduras, New Orleans	do	.051	.065	.059	.070	.073	.059	80
Salt, American, medium, Chicago	Barrel	1.020	2.472	2.490	2.204	2.195	2.195	100
Sugar, granulated, New York	Pound	.043	.084	.074	.055	.055	.058	106
Sugar, raw, 96°, New York	do	.085	.070	.060	.043	.043	.047	109
Cottonseed oil, New York	do	.073	.113	.108	.108	.118	.097	82

## No. 887.—WHOLESALE PRICES OF LEADING COMMODITIES, ETC.—Contd.

Commodity	Unit	Average price						Index numbers (1926=100) 1927
		1913	1923	1924	1925	1926	1927	
III.—HIDES AND LEATHER PRODUCTS								
Hides, packers, heavy, native steers	Pound	Dollars 0.184	Dollars 0.167	Dollars 0.147	Dollars 0.160	Dollars 0.140	Dollars 0.195	139
Calfskins, No. 1, country, Chicago	do	.189	.157	.183	.201	.173	.197	114
Goat skins, Brazil, New York	do		.925	.745	.785	.733	.751	103
Leather, Boston:								
Calf, chrome, B grade	Sq. ft	.270	.443	.455	.472	.453	.489	108
Glazed kid, top grade	do	.250	.688	.673	.683	.675	.677	103
Side, black, chrome, tanned, B grade	do	.256	.260	.264	.274	.253	.320	126
Sole, oak, scoured backs	Pound	.449	.508	.449	.482	.438	.493	112
Shoes:								
Youths', tan calf, blucher	Pair					1.663	1.726	104
Men's, black, dress, welt	do	2.238	3.150	3.098	3.237	3.199	3.268	102
Women's, black kid, dress	do	3.000	4.250	3.854	4.000	4.074	4.000	98
IV.—TEXTILE PRODUCTS								
Cotton goods, mill:								
Denims, Mass., 28 inch	Yard		.259	.234	.207	.169	.170	100
Drillings, Pepperell, 29 inch	do	.082	.178	.181	.164	.127	.120	94
Gingham, Amoskeag, 27 inch	do	.065	.143	.122	.113	.090	.095	106
Muslin, bleached, Fruit of the Loom	do	.085	.185	.183	.180	.167	.161	96
Print cloth, 27 inch	do	.035	.075	.068	.066	.052	.055	105
Sheeting, bleached, 10/4, Wamsutta	do	.326	.947	1.140	1.140	1.140	1.140	100
Sheeting, brown, Pepperell, 4/4	do	.073	.152	.155	.139	.123	.121	98
Thread, 6 cord	Spool	.018	.029	.034	.036	.036	.036	100
Women's union suits	Dozen	8.250	12.625	13.364	10.458	9.875	8.864	90
Yarn, carded, white, northern, 22/1s cones	Pound	.248	.486	.474	.418	.358	.351	98
Silk and rayon:								
Rayon, 150 B denier, N. Y.	do	1.750	2.600	1.913	1.896	1.692	1.439	85
Silk, raw, steam flature, New York	do	4.463	9.178	6.670	6.679	6.348	5.559	88
Hosiery, women's, pure silk, mill	Doz. prs		13.248	11.920	11.842	12.168	11.003	90
Hosiery, men's, silk, mill	do	4.250	6.500	5.502	5.247	4.795	4.250	89
Woolen and worsted goods, mill:								
Suiting serge, 11 ounce	Yard	1.131	2.604	2.428	2.403	2.168	2.051	95
French serge, 39 inch <sup>1</sup>	do		.753	.775	.799	.728	.987	95
Yarn, fine weaving, 2/50's <sup>2</sup>	Pound	1.054	2.565	2.417	2.426	2.106	2.089	99
V.—FUEL AND LIGHTING								
Coal, anthracite, chestnut	Ton		13.885	13.911	13.788	13.767	13.298	97
Coal, bituminous, mine run	do	3.000	5.833	4.454	4.642	5.381	4.264	99
Coke, Connellsville, furnace	do	2.440	5.551	3.528	4.054	4.106	3.199	73
Manufactured gas	1,000 cu. ft.	.805	1.077	1.056	1.053	1.034	1.013	98
Petroleum, crude, Kans.-Okla.	Barrel	.934	1.438	1.450	1.670	1.884	1.285	68
Fuel oil, refinery, Pa.	Gallon		.055	.055	.059	.064	.051	80
Gasoline, refinery, Pa.	do		.134	.122	.133	.128	.092	72
VI.—METALS AND PRODUCTS								
Iron ore, non-Bessemer	Ton	3.400	5.435	4.961	4.375	4.250	4.250	100
Pig iron, basic, furnace	do	14.706	25.808	20.245	19.567	18.548	17.697	95
Pig iron, Bessemer, Pittsburgh	do	17.133	28.972	23.288	22.318	21.318	20.437	96
Nails, wire, Pittsburgh	100 lbs.	1.819	3.035	2.989	2.820	2.750	2.638	96
Pipe, cast iron, 6 inch, N. Y.	Ton	23.371	60.314	60.137	52.196	51.340	43.315	84
Skelp, grooved, Pittsburgh	100 lbs.	1.390	2.347	2.140	1.960	1.900	1.830	96
Steel billets, open-hearth, Pittsburgh	Ton	26.096	41.750	38.000	35.644	35.000	33.269	95
Steel plates, tank, Pittsburgh	Pound	.015	.024	.021	.019	.019	.018	97
Steel rails, open-hearth, mill	Ton	30.000	43.000	43.000	43.000	43.000	43.000	100
Steel sheets, No. 27, mill	Pound	.022	.037	.036	.033	.032	.031	96
Steel, structural, mill	100 lbs.	1.510	2.423	2.235	2.002	1.958	1.854	95
Tin plate, domestic, standard, Pittsburgh	do	3.558	5.411	5.500	5.500	5.500	5.481	100
Aluminum, New York	Pound	.236	.253	.270	.272	.270	.254	94
Copper, ingot, electrolytic	do	.157	.145	.131	.141	.138	.130	94
Lead, pig, desilverized, N. Y.	do	.044	.074	.083	.091	.084	.068	80
Silver, bar, fine, New York	Ounce	.612	.652	.671	.694	.624	.567	91
Tin, pig, New York	Pound	.449	.426	.501	.578	.653	.644	98
Zinc, pig, slab, New York	do	.058	.070	.067	.080	.077	.066	86

<sup>1</sup> Prior to 1927, 35 to 36 inch.<sup>2</sup> Fine domestic, prior to 1927.

## No. 337.—WHOLESALE PRICES OF LEADING COMMODITIES, ETC.—Contd.

Commodity	Unit	Average price						Index numbers (1926=100) 1927
		1913	1923	1924	1925	1926	1927	
VI.—METALS, ETC.—CON.								
Agricultural implements, factory:								
Cultivator	Each	Dollars 21.850	Dollars 41.370	Dollars 49.450	Dollars 45.120	Dollars 44.170	Dollars 42.030	96
Harrow, spike, peg tooth	do	8.370	15.630	18.100	17.190	16.720	15.670	94
Plow, 2-horse	do		16.026	17.313	16.458	16.095	15.850	98
Separator, cream	do	39.520	56.520	61.270	59.370	59.370	61.250	103
Tractor, 10-20 horsepower	do	1,162.500	628.000	680.000	680.000	680.000	680.000	100
Automobiles, f. o. b. factory:								
Buick	do		1,611.000	1,725.000	1,625.000	1,468.000	1,492.000	102
Ford	do	624.000	447.000	398.000	391.000	413.000	456.000	110
Packard	do	4,779.000	3,571.000	3,724.000	3,556.000	3,589.000	3,403.000	94
Sewing machines, electric	do		71.650	73.850	75.350	77.550	80.250	104
Stoves, gas	do		65.450	63.900	62.750	62.900	63.400	101
VII.—BUILDING MATERIALS								
Douglas fir, No. 1, common sheathing	1,000 ft.	9.208	19.417	17.250	17.250	16.483	16.285	90
Oak, plain, white, No. 1, Cincinnati	do		71.558	63.906	63.135	66.019	63.635	96
Pine, white, No. 2, Buffalo	do		67.923	58.717	53.231	50.039	46.231	92
Pine, yellow, flooring, mill	do	23.036	47.699	41.874	46.493	45.109	38.481	85
Pine, yellow, timbers, mill	do	14.634	29.923	25.800	26.519	27.835	25.438	91
Shingles, cedar, red, mill	1,000	1.967	2.903	2.727	2.819	2.734	2.541	98
Brick, common, bldg., plant	do		14.506	14.458	14.006	13.913	14.021	101
Cement, Portland	Barrel	1.005	1.881	1.843	1.789	1.744	1.686	97
Linseed oil, raw, New York	Pound	.062	.132	.131	.139	.112	.105	94
White lead, in oil, New York	do	.068	.120	.148	.156	.152	.140	92
Glass, plate, 5 to 10 sq. ft., New York	Sq. ft.	.318	.700	.662	.553	.478	.396	83
Glass, windows, single B, works	50 sq. ft.	2.221	3.612	3.459	3.096	3.110	2.980	96
Lime, building, plant	Ton		9.786	9.585	9.388	8.984	8.825	98
VIII.—CHEMICALS AND DRUGS								
Acid, sulphuric, 66°, New York	Ton	20.000	14.600	14.200	14.000	14.600	15.104	104
Alcohol, denatured, New York	Gallon	.366	.423	.532	.578	.367	.478	120
Ammonia, anhydrous, N. Y.	Pound	.250	.300	.300	.266	.131	.114	87
Soda ash, light, 58 per cent, New York	do	.583	2.015	2.290	2.290	2.290	1.375	98
Soda, caustic, New York	100 lbs.	1.460	3.440	3.200	3.200	3.200	3.078	96
Tallow, packer's prime, Chicago	Pound	.071	.062	.065	.097	.087	.081	98
Alcohol, grain, New York	Gallon	2.499	4.745	4.801	4.859	4.855	3.741	77
Phenol, U. S. P., New York	Pound		.370	.280	.224	.197	.169	86
Acid phosphate, Baltimore	Ton		8.786	8.063	9.346	9.592	8.547	89
Nitrate of soda, 95 per cent, New York	100 lbs.	2.469	2.510	2.490	2.579	2.560	2.496	98
Sulphate of ammonia, N. Y.	do		3.528	2.753	2.861	2.628	2.427	92
Fertilizers, mixed, South Atlantic, 8-3-3.	Ton	20.310	26.260	21.380	22.800	23.200	21.792	94
IX.—HOUSE FURNISHING GOODS								
Furniture, factory <sup>2</sup>								98
Carpets, Brussels, factory	Yard	1.292	2.988	2.969	3.152	3.064	2.976	97
X.—MISCELLANEOUS								
Bran, Minneapolis	Ton	18.365	25.551	23.245	24.841	23.084	26.861	116
Cottonseed meal, prime, Memphis	do	31.608	47.643	39.104	36.313	28.542	35.604	125
Middlings, standard, Minneapolis	do	19.452	26.565	24.415	26.570	23.430	29.127	124
Paper, newsprint, rolls, contract, mills	100 lbs.	2.300	3.900	3.800	3.700	3.500	3.260	94
Paper, wrapping, manila, No. 1, jute, New York	do	4.880	9.370	10.440	11.660	11.030	9.230	84
Wood pulp, sulphite, domestic, unbleached, New York	do	2.225	2.973	2.579	2.682	2.865	2.633	92
Rubber, plantation, ribbed, New York	Pound	.820	.307	.264	.730	.487	.381	78
Automobile tires, balloon, factory	Each					18.289	13.777	75
Cylinder oil, Pennsylvania	Gallon		.224	.289	.284	.264	.251	96
Neutral oil, Pennsylvania	do		.289	.262	.241	.280	.332	119
Soap, laundry, Philadelphia	100 cakes	3.528	4.945	4.735	4.921	4.851	4.851	100
Starch, laundry, New York	Pound	.037	.051	.057	.060	.058	.058	99
Tobacco, plug, New York	do		.701	.696	.696	.696	.696	100
Tobacco, smoking, 1 ounce bag, New York	Gross	5.640	9.920	8.453	8.320	8.320	8.320	100

<sup>2</sup> Composite price. Owing to frequent changes in patterns announced by manufacturers, prices of individual articles of furniture are only roughly comparable from year to year and are not shown.

Source: Bureau of Labor Statistics, Department of Labor.

No. 338.—WHOLESALE PRICES: INDEX NUMBERS

[NOTE.—Figures in boxes indicate number of quotations. Bradstreet's index is the sum of the prices per pound of the 93 commodities. Dun's index is weighted by the amount "annually consumed by each inhabitant." The method of computing the wholesale-price index of the Department of Labor based on 1913=100 is described in the general note, p. 317. Indexes in the last three columns were computed by the Federal Reserve Board prior to August, 1926, by reclassifying the data of the Department of Labor into the groups shown, using the same weights as that department. The term "Consumers' goods" in general applies to those commodities which because of their finished condition are ready for consumption. The term "Producers' goods" applies to those products which have been subjected to some manufacturing process but which are still in semifinished condition requiring additional manufacture]

[1913 average=100]

Period	Brad-street's index <sup>1</sup>	Dun's index <sup>1</sup>	Department of Labor <sup>2</sup>			
			All com-modities	Con-sumers' goods	Pro-ducers' goods	Raw products
	96	300	404	199	117	88
1913.....	100	100	100	100	100	100
1914.....	97	101	98	101	92	99
1915.....	107	105	101	102	97	101
1916.....	128	123	127	119	143	126
1917.....	170	199	177	163	184	187
1918.....	203	190	194	191	181	206
1919.....	203	191	206	211	179	218
1920.....	204	207	226	231	214	229
1921.....	123	141	147	159	133	142
1922.....	132	142	149	151	128	159
1923.....	145	157	154	156	141	159
1924.....	140	157	150	156	133	154
1925.....	151	163	159	167	134	164
1926.....	141	156	151	162	128	154
1927.....	139	155	147	157	121	151

<sup>1</sup> As of the first of each month. <sup>2</sup> See headnote.

Source: Survey of Current Business and Department of Labor.

No. 339.—COMPARISON OF INDEXES OF WHOLESALE PRICES AND COST OF LIVING (RETAIL PRICES) BY NEAREST SIMILAR GROUPS (1913—100)

[NOTE.—The commodities in a given wholesale group differ considerably from those in the nearest corresponding retail group, so that comparisons are approximate only. For the sixth group the wholesale index represents building materials and the retail index represents house and apartment rentals. Retail indexes do not cover the entire year but are averages of indexes for selected months shown in Table 341]

Group	1922		1923		1924		1925		1926		1927	
	Whole-sale	Re-tail	Whole-sale	Re-tail	Whole-sale	Re-tail	Whole-sale	Re-tail	Whole-sale	Re-tail	Whole-sale	Re-tail
All commodities..	149	167	154	171	150	171	159	176	151	175	147	173
Farm products.....	133	-----	141	-----	143	-----	158	-----	142	-----	144	-----
Food products.....	138	142	144	146	144	146	158	160	153	161	149	157
Cloths and clothing..	181	713	200	191	174	190	190	170	176	168	172	164
Fuel and lighting....	218	180	185	183	170	180	175	182	180	184	162	182
Metals and products..	122	-----	144	-----	135	-----	130	-----	127	-----	120	-----
Building materials (housing).....	168	161	189	164	175	168	175	167	173	165	163	161
Chemicals and drugs..	124	-----	131	-----	130	-----	134	-----	131	-----	122	-----
House furnishings....	176	250	183	221	173	217	169	214	162	209	158	205
Miscellaneous.....	117	202	123	201	117	201	135	203	124	203	121	205

Source: Bureau of Labor Statistics, Department of Labor.

## No. 340.—WHOLESALE PRICES IN FOREIGN COUNTRIES: INDEX NUMBERS

[NOTE.—The foreign index numbers of wholesale prices compiled in the various countries differ materially as regards the commodities covered and in other respects. They do not refer to the same day or period of the month. In England (British Board of Trade), Netherlands, and Japan (Tokyo) they are monthly averages; in Switzerland they refer to the beginning of the month; in Sweden and Canada to the middle of the month; in England (London Economist), France, Italy, Australia, and India (Calcutta) to the end of the month, and in Belgium to the last half of the month. In computing the index numbers for Canada and Australia the prices are weighted; for Japan, England (London Economist), and France the prices are unweighted. The figures in the box indicate the number of quotations used. In a few cases where indexes do not check exactly with those published in the Commerce Yearbook, Vol. II, the difference is due to source used]

Period	Bel- gium, Minis- tère de l'In- dustrie et du Trav- ail	England		France Bu- reau de la Statist- ique Géné- rale	Italy, Ric- cardo Bachi	Neth- er- lands, Central Bu- reau of Statist- ics <sup>1</sup>	Swe- den, Göte- borgs Han- dels- tid- ning	Swit- zer- land, Dr. J. Lor- enz	Aus- tralia, Bu- reau of Cen- sus and Statist- ics	India, De- part- ment of Statist- ics	Japan, Bank of Japan	Can- ada, Domin- ion Bu- reau of Statist- ics <sup>2</sup>
	128	44	150	45	100	48	47	71	92	75	56	236
	Apr 1914 —100	1913 average—100						July, 1914—100			1913 average —100	
1913.....		100	100	100	-----	100	100	-----	-----	-----	100	100
1914.....	100	99	-----	102	-----	100	116	100	100	100	95	102
1915.....		123	-----	140	-----	146	145	-----	141	112	97	110
1916.....		160	-----	188	-----	226	185	-----	132	128	117	132
1917.....		204	-----	262	-----	276	244	-----	146	147	147	179
1918.....		225	-----	339	-----	373	339	-----	170	180	193	199
1919.....		235	-----	356	-----	304	330	-----	180	198	236	209
1920.....		283	307	509	-----	292	347	-----	218	204	259	244
1921.....		181	197	345	-----	182	211	197	167	181	200	172
1922.....	367	159	159	327	508	160	162	168	154	180	196	152
1923.....	497	162	159	419	512	151	157	180	170	176	199	153
1924.....	573	174	166	489	512	156	155	176	165	178	206	155
1925.....	558	167	159	551	596	155	157	163	162	164	202	160
1926.....	744	153	148	703	603	144	144	148	161	148	179	156
1927.....	847	148	141	617	495	148	141	147	159	148	170	150
1921												
Jan.-Mar.....		197	227	381	-----	199	251	232	190	176	196	198
Apr.-June.....		181	201	334	-----	180	222	193	166	182	191	172
July-Sept.....	358	180	190	335	-----	179	197	179	160	185	201	164
Oct.-Dec.....	372	166	174	330	-----	166	174	182	152	181	214	154
1922												
Jan.-Mar....	357	159	162	309	506	164	167	174	147	180	204	151
Apr.-June....	349	161	160	319	478	164	164	163	153	184	196	151
July-Sept....	361	159	157	328	513	157	162	165	157	178	196	149
Oct.-Dec....	400	158	156	350	532	156	155	169	161	177	187	149
1923												
Jan.-Mar....	463	162	158	411	521	156	159	177	162	180	191	154
Apr.-June....	479	163	160	410	517	151	159	184	172	177	198	156
July-Sept....	516	157	156	415	504	144	158	176	176	172	197	154
Oct.-Dec....	530	166	161	441	504	152	151	182	173	177	210	153
1924												
Jan.-Mar....	616	173	166	512	507	156	153	182	170	176	208	156
Apr.-June....	559	169	164	458	503	153	152	180	165	175	204	151
July-Sept....	554	174	165	481	500	153	151	171	162	179	200	155
Oct.-Dec....	563	180	170	503	537	161	162	169	164	179	213	159
1925												
Jan.-Mar....	552	176	169	514	570	158	164	171	162	170	209	164
Apr.-June...	542	166	160	525	577	152	159	164	160	163	200	158
July-Sept....	568	165	157	557	621	155	155	160	162	158	200	158
Oct.-Dec....	570	160	154	603	614	154	149	158	163	162	197	160
1926												
Jan.-Mar....	566	154	148	634	601	149	148	154	161	155	188	162
Apr.-June....	691	150	145	692	597	143	144	147	166	147	178	158
July-Sept...	857	154	150	797	624	140	143	146	161	146	177	154
Oct.-Dec...	860	153	150	687	588	146	142	147	155	145	172	151
1927												
Jan.-Mar....	856	147	142	632	553	145	140	146	152	147	171	150
Apr.-June....	848	147	141	629	497	146	139	147	153	147	171	151
July-Sept....	844	150	141	613	466	150	143	147	165	150	169	152
Oct.-Dec....	839	147	141	595	465	151	143	149	167	148	169	149

<sup>1</sup> 52 commodities during 1920, 53 from August, 1920-December, 1921.

<sup>2</sup> 238 commodities prior to April, 1924.

Sources: England, London Economist; Sweden, Ekonomisk Översikt; all others, as translated from original foreign sources by Federal Reserve Board or Department of Labor.



## No. 341.—COST OF LIVING IN THE UNITED STATES: INDEX NUMBERS

[NOTE.—1913 average=100. Figures for food represent 51 cities; other figures, 19 cities from 1913 to December, 1917, inclusive, and 32 cities thereafter. Totals weighted by relative importance of items as ascertained by country-wide study of cost of living.]

Date	All items	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
Dec., 1914	103.0	105.0	101.0	100.0	101.0	104.0	103.0
Dec., 1915	103.1	105.0	104.7	101.5	101.0	110.6	107.4
Dec., 1916	118.2	126.0	120.0	102.3	108.4	127.8	118.3
Dec., 1917	142.4	157.0	149.1	100.1	124.1	150.6	140.5
Dec., 1918	174.4	187.0	205.3	109.3	147.9	212.6	165.8
June, 1919	177.3	184.0	214.5	114.2	145.6	225.1	173.2
Dec., 1919	190.3	197.0	208.7	125.3	156.8	253.5	190.2
June, 1920	216.5	210.0	267.5	134.9	171.9	292.7	201.4
Dec., 1920	200.4	178.0	258.5	151.1	194.9	285.4	203.2
May, 1921	180.4	144.7	222.6	159.0	181.6	247.7	208.8
Sept., 1921	177.3	153.1	192.1	160.0	180.7	224.7	207.8
Dec., 1921	174.3	149.9	184.4	161.4	181.1	218.0	206.8
Mar., 1922	166.9	138.7	175.5	160.9	175.8	206.2	203.3
June, 1922	166.6	140.7	172.3	160.9	174.2	202.9	201.5
Sept., 1922	166.3	139.7	171.3	161.1	183.6	202.9	201.1
Dec., 1922	169.5	145.6	171.5	161.9	184.4	208.2	200.5
Mar., 1923	168.8	141.9	174.4	162.4	186.2	217.6	200.3
June, 1923	169.7	144.3	174.9	163.4	186.6	222.2	200.3
Sept., 1923	172.1	149.3	176.5	164.4	181.3	222.4	201.1
Dec., 1923	173.2	150.3	176.3	166.5	184.0	222.4	201.7
Mar., 1924	170.4	143.7	175.8	167.0	182.2	221.3	201.1
June, 1924	169.1	142.4	174.2	168.0	177.3	216.0	201.1
Sept., 1924	170.6	146.8	172.3	168.0	179.1	214.9	201.1
Dec., 1924	172.5	151.5	171.3	168.2	180.5	216.0	201.7
June, 1925	173.5	155.0	170.6	167.4	176.5	214.3	202.7
Dec., 1925	177.9	165.5	169.4	167.1	186.9	214.3	203.6
June, 1926	174.6	160.7	168.2	165.4	180.7	210.4	203.3
Dec., 1926	175.6	161.1	166.7	164.2	183.3	207.7	203.9
June, 1927	173.4	158.5	164.9	162.1	180.6	205.2	204.5
Dec., 1927	172.0	155.9	162.9	160.2	183.2	204.6	205.1

Source: Bureau of Labor Statistics, Department of Labor

## No. 342.—COST OF LIVING IN PRINCIPAL CITIES: INDEX NUMBERS

City	Index of total cost of living for December—							Index December, 1927, for					
	1913	1917	1921	1924	1925	1926	1927	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
Dec., 1914=100													
Baltimore, Md.	196.8	170.9	174.6	174.8	181.2	178.6	174.5	150.7	148.2	168.0	18.5	204.3	212.3
Boston, Mass.	197.4	165.2	169.4	167.3	174.7	171.9	169.5	154.4	180.2	152.4	196.5	224.1	191.3
Buffalo, N. Y.	201.7	173.9	178.6	177.8	184.8	184.6	180.1	155.9	171.2	173.7	228.5	206.0	216.1
Chicago, Ill.	193.3	164.0	173.7	177.3	180.6	179.0	174.3	163.4	153.8	130.0	150.2	204.4	199.7
Cleveland, O.	207.3	172.9	179.6	178.1	182.7	181.5	179.0	155.1	166.0	166.3	204.2	197.9	215.9
Detroit, Mich.	215.6	178.2	184.7	182.2	187.8	184	179.0	157.6	164.1	184.1	176.9	184.7	228.3
Houston, Tex.	204.0	168.4	170.0	170.5	174.3	170.6	167.0	152.5	186.2	151.8	134.3	234.1	191.8
Jacksonville, Fla.	206.2	167.8	171.9	170.4	181.7	181.3	173.0	141.3	185.4	151.2	184.0	224.6	204.5
Los Angeles, Calif.	196.7	174.5	178.8	175.4	177.4	172.2	170.6	140.4	171.6	157.7	156.8	218.6	208.0
Mobile, Ala.	193.3	158.8	162.6	163.9	168.5	168.1	165.6	151.1	147.6	141.9	190.5	197.2	204.0
New York, N. Y.	201.4	174.2	177.3	176.5	183.2	180.0	179.1	157.5	191.4	170.2	196.0	202.9	218.8
Norfolk, Va.	209.0	169.9	172.4	172.1	176.4	171.6	173.4	155.5	170.0	144.6	198.2	188.5	212.5
Philadelphia, Pa.	200.7	170.7	174.7	176.1	182.6	182.3	178.3	157.9	177.4	172.1	190.3	187.7	221.2
Portland, Me.	193.1	164.1	166.9	166.0	170.3	169.2	167.0	160.0	195.8	153.6	202.2	218.4	189.0
Portland, Oreg.	180.3	156.1	157.8	155.6	159.9	155.1	152.8	137.5	151.1	126.9	167.7	184.1	177.1
San Francisco and Oakland, Calif.	185.1	158.8	162.1	160.1	164.7	161.7	160.7	146.1	182.4	137.3	148.6	203.4	179.2
Savannah, Ga.	196.7	169.2	158.2	156.3	162.9	160.5	158.1	135.3	168.0	137.1	159.9	221.9	180.3
Seattle, Wash.	194.1	166.7	168.5	167.8	171.7	169.1	166.9	137.9	169.5	150.9	156.6	234.7	198.2
Washington, D. C.	187.8	160.5	163.2	163.1	167.3	166.0	160.8	157.9	167.0	133.8	140.3	203.2	173.8



## No. 342.—COST OF LIVING IN PRINCIPAL CITIES: INDEX NUMBERS—Continued

City	Index of total cost of living for December—							Index December, 1927, for—					
	1917	1921	1922	1924	1925	1926	1927	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
Dec., 1917=100													
Atlanta, Ga.	138.5	115.1	116.0	114.9	119.0	117.4	114.3	101.3	100.2	139.5	138.0	115.9	131.5
Birmingham, Ala.	132.3	113.2	116.0	116.8	119.2	117.8	115.7	98.7	95.9	161.7	145.9	114.1	128.5
Cincinnati, Ohio	134.7	113.8	117.7	117.6	123.0	123.8	121.3	99.0	96.1	157.9	166.9	116.6	150.0
Denver	138.7	121.6	122.1	120.2	122.5	120.4	116.6	93.1	108.9	156.3	132.9	121.2	134.2
Indianapolis, Ind.	137.6	118.8	120.6	121.4	124.3	122.3	119.2	98.5	104.3	133.4	134.2	117.5	152.6
Kansas City, Mo.	139.5	116.2	117.2	115.3	118.1	115.2	111.9	98.2	103.7	128.3	129.0	107.7	136.5
Memphis, Tenn.	139.3	118.6	121.0	120.4	122.1	119.9	117.3	92.0	101.6	147.3	176.0	116.0	136.6
Minneapolis, Minn.	135.7	118.0	118.8	117.3	120.3	118.2	115.4	100.0	98.5	129.9	145.6	114.9	133.0
New Orleans, La.	136.7	118.6	120.2	120.6	122.7	121.7	119.9	95.1	113.4	156.2	138.5	121.8	148.5
Pittsburgh, Pa.	139.3	120.1	122.9	124.9	128.5	127.2	124.8	101.4	103.8	174.4	188.0	121.9	146.2
Richmond, Va.	133.2	114.4	117.1	116.5	120.6	119.2	116.4	97.1	105.3	131.1	154.2	135.3	140.9
St. Louis, Mo.	135.4	117.0	120.6	120.7	125.0	124.5	121.4	97.7	103.4	178.3	134.3	123.3	136.9
Scranton, Pa.	139.1	122.4	125.8	125.8	132.0	129.8	128.5	106.0	116.3	173.4	175.3	132.1	155.9

Source: Bureau of Labor Statistics, Department of Labor.

## No. 343.—COST OF LIVING AND RETAIL FOOD PRICES IN FOREIGN COUNTRIES: INDEX NUMBERS

[NOTE.—The foreign index numbers of retail food prices and cost of living do not all refer to the same day or period of the month. There are also differences in the number and kind of articles included and the number of markets from which prices are taken. The base for Belgium (retail food and cost of living) is 1921 and for Netherlands (cost of living) 1911, but for all other indexes the base is either the year 1914 as a whole or the first half of 1914, or some month in 1914 preceding the outbreak of the war. Statistics in all countries are official, being given out by the Ministry of Labor or some corresponding Government department. The data for Netherlands (retail food) are unweighted averages of prices; for all other countries weighted, usually according to the consumption of working-class families]

[Pre-war=100 except for Belgium]

Country	1920	1921	1922	1923	1924	1925	1926	1927	1927			
									Mar	June	Sept.	Dec.
COST OF LIVING												
Belgium.....		100	94	100	127	134	160	200	195	196	202	208
England.....	249	228	183	174	175	176	172	168	171	163	165	169
France (Paris).....		309	296	334	360	400	505	514	524	525	507	498
Italy (Milan).....	<sup>1</sup> 441	<sup>1</sup> 494	501	494	527	617	654	589	663	586	537	631
Netherlands.....	221	202	183	174	177	179	169	168	166	167	167	170
Sweden.....	<sup>1</sup> 370	<sup>1</sup> 236	198	178	174	177	173	170	<sup>1</sup> 171	<sup>1</sup> 170	<sup>1</sup> 169	<sup>1</sup> 172
Switzerland.....		210	162	163	168	170	161	160	159	160	161	162
Australia.....					140	153	158	156	155	155	157	160
Canada.....	182	169	147	149	146	149	151	150	150	149	149	151
South Africa.....	155	137	121	131	133	133	131	131	131	132	131	132
RETAIL FOOD												
Belgium.....		100	90	107	127	136	168	206	201	201	206	212
England.....	256	230	176	169	170	171	164	160	162	154	157	163
France (Paris).....	371	337	301	332	380	425	554	556	581	580	532	528
Italy (Milan).....	<sup>1</sup> 445	<sup>1</sup> 506	<sup>1</sup> 492	<sup>1</sup> 490	528	622	601	559	635	541	609	513
Netherlands.....	234	179	157	145	152	153	147	146	146	145	143	148
Switzerland.....		209	159	161	167	169	160	158	156	157	158	160
Australia.....	181	164	145	154	149	154	156	154	151	153	157	155
Canada.....	215	164	140	142	139	146	151	148	149	146	147	151
South Africa.....	178	145	119	117	120	120	118	118	118	120	117	119

<sup>1</sup> July figure.<sup>2</sup> Quarterly figure as of the first month of the quarter.

Source: Compiled from original sources by the Federal Reserve Board and Department of Labor.

**No. 344.—RETAIL FOOD PRICES IN THE UNITED STATES: INDEX NUMBERS**

[NOTE.—1913 average=100. The principal commodities used in this index number are listed in Table 343. For index numbers for individual cities see Table 345]

Year	Index numbers of—		Year	Index numbers of—		Year	Index numbers of—	
	Retail price of food	Purchasing power of the dollar measured in food		Retail price of food	Purchasing power of the dollar measured in food		Retail price of food	Purchasing power of the dollar measured in food
1900	70	143	1903	75	133	1916	114	88
1901	71	141	1904	76	132	1917	146	68
1902	69	145	1905	76	132	1918	168	60
1903	71	141	1906	79	127	1919	186	54
1904	68	147	1907	82	123	1920	208	49
1905	67	149	1908	84	119	1921	183	66
1906	66	154	1909	86	112	1922	142	70
1907	65	154	1910	93	108	1923	146	68
1908	67	149	1911	92	109	1924	146	68
1909	68	147	1912	98	102	1925	157	64
1900	69	145	1913	100	100	1926	161	63
1901	72	139	1914	102	98	1927	155	64
1902	73	133	1915	101	99			

**No. 345.—RETAIL FOOD PRICES IN PRINCIPAL CITIES: INDEX NUMBERS**

[NOTE.—1913 average=100. For average for all cities see Table 344]

City	1916	1920	1921	1925	1928	1934	1935	1936	1937	1937			
										Mar	June	Sept.	Dec.
Atlanta, Ga.	198	202	151	141	143	144	158	165	160	158	164	159	160
Baltimore, Md.	113	207	166	146	152	152	164	168	161	159	162	159	162
Birmingham, Ala.	116	209	168	148	149	150	165	168	161	160	160	159	162
Boston, Mass.	112	203	167	145	151	149	158	162	157	154	157	157	162
Buffalo, N. Y.	115	210	156	147	151	149	162	166	160	156	162	157	161
Charleston, S. C.	108	207	159	146	148	149	159	164	157	157	155	156	156
Chicago, Ill.	114	207	155	145	152	155	166	171	166	164	173	165	167
Cincinnati, Ohio.	112	203	154	140	143	142	157	163	157	155	164	155	156
Cleveland, Ohio.	114	206	150	137	145	145	156	162	156	153	160	154	156
Dallas, Tex.	111	197	151	141	143	146	156	166	154	152	152	154	158
Denver, Colo.	112	195	141	129	135	134	143	144	149	139	148	136	141
Detroit, Mich.	114	215	155	145	152	151	165	169	163	160	170	163	162
Fall River, Mass.	112	204	155	144	150	145	158	158	155	151	156	155	160
Indianapolis, Ind.	114	202	147	135	142	141	151	157	151	147	158	149	151
Jacksonville, Fla.	108	192	148	136	139	140	153	161	150	148	151	150	147
Kansas City, Mo.	114	206	153	137	141	141	155	168	150	150	156	146	149
Little Rock, Ark.	110	195	146	135	139	138	149	153	148	147	146	145	148
Los Angeles, Calif.	102	184	143	135	140	141	149	146	143	142	143	143	143
Louisville, Ky.	110	197	141	131	136	138	154	157	152	149	157	150	153
Manchester, N. H.	113	206	156	142	149	148	152	157	153	150	154	154	154
Memphis, Tenn.	111	204	146	134	138	137	150	152	146	143	148	146	147
Milwaukee, Wis.	115	209	153	142	148	149	157	163	157	153	162	156	158
Minneapolis, Minn.	114	208	149	140	144	143	154	159	152	150	159	147	153
Newark, N. J.	111	195	149	139	146	143	151	154	150	147	150	150	153
New Haven, Conn.	115	201	152	141	149	146	156	161	157	155	159	155	160
New Orleans, La.	112	200	152	142	143	144	156	156	154	155	155	154	153
New York, N. Y.	112	204	157	147	153	150	160	164	160	157	161	160	164
Omaha, Neb.	115	210	151	139	142	142	155	159	151	152	160	147	148
Philadelphia, Pa.	113	201	152	143	149	147	159	164	160	157	161	158	163
Pittsburgh, Pa.	112	202	153	139	149	148	158	162	158	157	161	156	160
Portland, Oreg.	104	187	138	130	133	134	142	140	139	130	141	140	139
Providence, R. I.	114	209	161	147	153	149	158	162	156	153	158	158	157
Richmond, Va.	114	214	164	153	156	153	166	170	162	160	166	161	163
St. Louis, Mo.	114	213	153	141	145	147	160	164	159	157	164	158	158
Salt Lake City, Utah	111	185	136	128	127	127	140	135	134	132	142	132	134
San Francisco, Calif.	105	186	147	139	142	144	155	153	151	150	152	150	152
Scranton, Pa.	112	208	162	148	153	148	161	165	162	159	164	159	166
Seattle, Wash.	105	190	140	136	135	139	150	147	145	143	149	143	144
Washington, D. C.	112	205	162	150	154	152	155	169	163	160	161	164	164

Source: Bureau of Labor Statistics, Department of Labor.

# No. 346.—RETAIL PRICES OF PRINCIPAL ARTICLES OF FOOD IN THE UNITED STATES: ACTUAL AND RELATIVE

[NOTE.—Averages of prices as reported by retail dealers as of the 15th of each month in 51 of the larger cities since the year 1920 and in a smaller number of cities for earlier years (39 in 1913). In computation of index numbers, 1913=100]

Year or month	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
	Sirloin steak		Round steak		Rib roast		Pork chops		Bacon		Lard	
	Per lb.		Per lb.		Per lb.		Per lb.		Per lb.		Per lb.	
1891-1895			\$0. 123	55			\$0. 112	53	\$0. 132	49	\$0. 100	63
1896-1900			. 127	57			. 111	53	. 132	49	. 091	58
1901-1905			. 141	63			. 137	65	. 176	65	. 116	73
1906-1910	<sup>1</sup> \$0. 192	76	. 159	71	<sup>1</sup> \$0. 159	80	. 167	80	. 217	80	. 136	86
1911-1915	. 241	95	. 213	96	. 191	96	. 201	96	. 261	97	. 150	95
1916-1920	. 356	144	. 338	152	. 285	144	. 356	170	. 461	171	. 290	184
1921-1925	. 391	154	. 337	151	. 287	145	. 331	158	. 412	153	. 190	120
1913	. 254	100	. 223	100	. 198	100	. 210	100	. 270	100	. 158	100
1920	. 437	172	. 395	177	. 332	168	. 423	201	. 523	194	. 295	187
1921	. 388	153	. 344	154	. 291	147	. 349	166	. 427	158	. 180	114
1922	. 374	147	. 323	145	. 276	139	. 330	157	. 398	147	. 170	108
1923	. 391	154	. 335	150	. 284	143	. 304	145	. 391	145	. 177	112
1924	. 396	156	. 338	152	. 288	146	. 308	147	. 377	140	. 190	120
1925	. 406	160	. 347	156	. 296	150	. 366	174	. 467	173	. 233	148
1926	. 413	163	. 356	160	. 303	153	. 395	188	. 503	186	. 219	139
1927	. 426	168	. 371	166	. 313	158	. 368	175	. 472	175	. 193	122
March	. 411	162	. 356	160	. 304	154	. 366	174	. 484	179	. 194	123
June	. 424	167	. 370	166	. 311	157	. 347	165	. 471	174	. 188	119
September	. 438	172	. 381	171	. 318	161	. 407	194	. 465	172	. 192	122
December	. 439	173	. 382	171	. 324	164	. 328	156	. 453	168	. 192	122
	Hens		Eggs		Butter		Cheese		Milk		Bread	
	Per lb.		Per doz.		Per lb.		Per lb.		Per qt.		Per lb.	
1891-1895	\$0. 136	64	\$0. 214	62	\$0. 268	70			\$0. 068	76		
1896-1900	. 131	62	. 199	58	. 247	64			. 067	75		
1901-1905	. 154	72	. 254	74	. 281	73			. 071	80		
1906-1910	. 182	85	. 304	88	. 333	87			. 079	89		
1911-1915	. 206	97	. 341	99	. 363	95	<sup>2</sup> \$0. 227	103	. 088	99	<sup>1</sup> \$0. 063	113
1916-1920	. 351	165	. 527	153	. 567	148	. 358	162	. 133	149	. 096	171
1921-1925	. 365	171	. 483	140	. 523	137	. 352	159	. 139	156	. 091	163
1913	. 213	100	. 345	100	. 383	100	. 221	100	. 089	100	. 056	100
1920	. 447	210	. 681	197	. 701	183	. 416	188	. 167	188	. 115	206
1921	. 397	186	. 509	148	. 517	135	. 340	154	. 146	164	. 099	177
1922	. 360	169	. 444	129	. 479	125	. 329	149	. 131	147	. 087	155
1923	. 350	164	. 465	135	. 554	145	. 369	167	. 138	155	. 087	155
1924	. 353	166	. 478	139	. 517	135	. 353	160	. 138	155	. 088	157
1925	. 366	172	. 521	151	. 548	143	. 367	166	. 140	157	. 094	168
1926	. 388	182	. 485	141	. 531	139	. 366	166	. 140	157	. 094	168
1927	. 369	173	. 452	131	. 556	145	. 376	170	. 141	158	. 093	166
March	. 387	182	. 354	103	. 592	155	. 373	169	. 141	158	. 094	168
June	. 363	170	. 335	97	. 518	135	. 370	167	. 139	156	. 093	166
September	. 354	166	. 487	141	. 534	139	. 377	171	. 141	158	. 093	166
December	. 357	168	. 506	173	. 584	152	. 390	176	. 143	161	. 092	164
	Flour		Corn meal		Rice		Potatoes		Sugar		Coffee	
	Per ½ bbl. bag		Per lb.		Per lb.		Per pk.		Per lb.		Per lb.	
1891-1895	\$0. 637	79	\$0. 020	67			\$0. 235	92	\$0. 057	104		
1896-1900	. 639	79	. 018	60			. 211	83	. 058	106		
1901-1905	. 687	85	. 022	73			. 263	103	. 058	106		
1906-1910	. 807	100	. 027	90			. 271	106	. 059	107		
1911-1915	. 872	108	. 031	103	<sup>1</sup> \$0. 089	102	. 282	111	. 061	111	<sup>1</sup> \$0. 298	100
1916-1920	1. 637	202	. 058	193	. 130	149	. 609	239	. 115	209	. 362	121
1921-1925	1. 303	161	. 045	151	. 099	114	. 453	178	. 084	152	. 410	138
1913	. 809	100	. 030	100	. 087	100	. 255	100	. 055	100	. 298	100
1920	1. 985	245	. 065	217	. 174	200	. 945	371	. 194	353	. 470	158
1921	1. 421	176	. 045	150	. 095	109	. 465	182	. 080	145	. 363	122
1922	1. 250	155	. 039	130	. 095	109	. 420	165	. 073	133	. 361	121
1923	1. 152	142	. 041	137	. 095	109	. 435	171	. 101	184	. 377	127
1924	1. 201	149	. 047	157	. 101	116	. 405	159	. 092	167	. 433	145
1925	1. 495	185	. 054	180	. 111	128	. 540	212	. 072	131	. 515	173
1926	1. 470	182	. 051	170	. 116	133	. 735	288	. 069	126	. 510	171
1927	1. 348	167	. 052	173	. 107	123	. 570	224	. 073	133	. 483	162
March	1. 348	167	. 051	170	. 108	124	. 555	218	. 074	134	. 493	165
June	1. 348	167	. 052	173	. 107	123	. 900	353	. 073	133	. 479	161
September	1. 348	167	. 052	173	. 106	122	. 480	188	. 072	131	. 473	159
December	1. 323	164	. 052	173	. 103	118	. 450	176	. 071	129	. 481	161

<sup>1</sup> 1907-1910.<sup>2</sup> 1913-1915.

Source: Bureau of Labor Statistics, Department of Labor.

## AVERAGE IMPORT VALUES

## No. 847.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT ARTICLES IMPORTED INTO THE UNITED STATES

[NOTE.—The values are required by law to represent the values of the goods in the foreign markets whence exported to the United States. "Ton" signifies long ton of 2,240 pounds. The averages are obtained by dividing the total value of imports of the specified article by the total quantity, and as in some commodities there may be considerable variations in price between different grades, methods of packing, etc., and as the proportions of the grades, etc., may vary from year to year, the averages in such cases may show the actual price movements only roughly.]

Year ended—	Cheese, per pound	Fish, cured, per barrel (200 pounds)		Hides and skins, per pound		Rice, per pound	Wheat, per bushel	Copra, per pound	Flax- seed, per bushel	Cocoa, per pound	Coffee, per pound	Tea, per pound	Cane sugar, per pound	Rub- ber, crude, per pound	Shel- lac, per pound	Tobacco, leaf, per pound		Cotton, unman- ufac- tured, per pound	Jute and butts, per ton	Flax, per ton
		Herring	Mack- erel	Goat	Cattle											Cigar wrap- pers	Other leaf			
June 30—	Cents	Dollars	Dollars	Cents	Cents	Cents	Dollars	Cents	Dollars	Cents	Cents	Cents	Cents	Cents	Cents	Dollars	Dollars	Cents	Dollars	Dollars
1901	13.8	7.50	9.55	27.9	11.3	2.1	0.70	—	1.29	14.1	7.4	12.3	2.28	51.5	13.3	0.90	51.04	14.6	42.78	273.44
1902	14.9	6.91	10.60	28.9	11.8	2.1	.66	—	1.52	13.0	6.5	12.4	1.81	49.4	17.7	.89	42.73	11.9	34.49	269.55
1903	15.4	7.37	14.73	29.3	12.3	2.2	.62	—	1.50	12.3	6.5	14.4	1.71	55.3	23.4	.74	45.36	14.5	42.14	248.68
1904	14.5	6.58	13.86	27.8	12.9	2.5	1.10	—	.95	12.3	7.0	16.2	1.94	68.5	32.1	.76	47.52	17.5	42.43	251.10
1905	14.6	6.50	12.12	27.6	13.2	2.5	.89	—	1.08	11.6	8.8	15.8	2.64	74.2	35.0	.74	48.77	15.6	45.82	279.44
1906	15.8	7.47	12.19	28.6	14.0	2.5	.92	—	1.41	10.9	8.6	15.6	2.14	78.0	32.4	.96	52.16	15.3	62.05	266.62
1907	16.9	7.50	12.28	31.3	15.3	3.0	.63	4.3	1.38	14.5	7.9	16.1	2.11	76.6	32.7	1.14	54.55	19.0	85.66	260.41
1908	17.2	6.78	13.74	27.2	12.2	2.9	.97	3.4	1.25	17.2	7.6	17.3	2.37	58.8	31.0	1.06	63.41	19.9	60.49	263.93
1909	16.5	6.80	10.47	25.0	12.4	2.7	.89	2.8	1.40	11.4	7.5	16.2	2.30	69.8	20.3	.95	65.58	15.7	46.06	257.57
1910	17.3	6.96	10.43	26.6	14.7	2.6	.92	3.6	1.71	10.5	7.9	16.0	2.59	100.0	13.2	.98	52.91	18.4	54.70	277.10
1911	17.4	7.24	9.50	25.0	14.4	2.8	.94	4.1	2.04	10.5	10.3	17.2	2.45	105.8	14.9	1.08	53.63	21.8	72.33	342.47
1912	18.9	7.79	12.19	24.4	15.3	2.4	.82	4.4	1.90	10.9	13.3	18.0	2.81	84.4	12.2	1.25	51.17	18.4	71.12	346.65
1913	18.6	8.24	10.35	25.7	17.3	3.7	.70	4.5	1.54	12.4	13.8	18.4	2.18	79.5	13.9	1.29	45.33	18.9	74.01	318.01
1914	17.3	7.21	10.98	26.2	18.6	3.2	.89	5.3	1.22	11.8	11.1	18.4	2.00	54.0	16.1	1.28	50.44	15.7	105.38	290.37
1915	18.7	6.57	12.27	24.3	18.3	2.4	1.10	3.8	1.25	11.9	9.5	18.1	3.21	48.3	12.5	1.28	46.44	12.5	56.26	399.60
1916	23.5	7.86	13.65	27.2	20.3	2.4	1.02	4.1	1.38	14.4	9.6	18.8	3.70	57.9	12.8	1.43	40.45	17.2	73.07	505.59
1917	30.8	9.44	16.14	52.5	25.9	2.8	1.74	5.1	2.03	11.8	10.1	18.6	4.33	66.8	23.4	1.34	47.83	27.5	87.50	535.00
1918	41.5	16.57	12.48	47.4	25.3	3.5	2.02	5.5	2.56	10.3	9.0	20.4	4.82	52.1	41.5	1.21	53.37	34.9	92.11	1,037.72
Dec. 31—																				
1919	35.9	13.65	25.00	71.5	30.8	7.0	1.88	6.4	3.16	14.8	19.6	24.9	5.60	40.2	48.6	1.40	83.10	41.0	134.51	904.21
1920	35.4	12.49	18.81	110.5	31.1	10.3	2.10	6.6	3.03	15.8	19.5	27.0	12.59	42.9	80.8	1.80	89.93	46.2	100.93	566.77
1921	32.3	11.05	15.32	37.8	12.9	3.4	1.54	3.9	1.66	7.6	10.7	18.6	3.94	17.8	48.9	2.00	92.84	23.7	93.08	566.91
1922	31.4	10.21	17.34	40.5	14.5	3.4	1.15	3.7	2.09	9.3	12.9	24.5	2.59	15.1	59.3	2.04	74.67	25.6	107.38	575.08
1923	32.4	9.95	15.91	43.9	16.0	3.3	.99	4.0	2.01	8.2	13.5	28.2	4.93	26.7	59.7	2.35	80.76	26.4	128.33	511.09
1924	29.2	12.09	17.37	39.3	13.1	4.0	1.00	4.4	1.81	7.8	17.6	29.3	4.39	23.7	53.5	2.56	97.77	30.3	114.02	515.19
1925	27.8	13.30	15.60	40.7	16.0	4.7	1.39	5.0	2.40	10.0	22.3	31.2	2.75	43.4	51.0	2.34	80.18	33.7	190.69	680.59
1926	26.9	12.09	12.05	44.6	14.7	4.5	1.39	5.1	1.84	10.0	21.6	32.7	2.47	54.6	33.6	2.25	75.48	25.5	215.06	478.07
1927	30.1	12.70	13.10	43.6	17.4	4.4	1.31	4.6	1.73	13.4	18.4	31.6	3.06	35.6	41.4	2.15	64.94	22.2	131.52	479.08

AVERAGE IMPORT VALUES

Year ended—	Hemp, per ton	Manilla, per ton	Jute bur- laps,per pound	Wool, per pound			Silk, raw, per pound	Pulp- wood, per cord	Boards, planks, deals, per M feet	Wood pulp, per ton	Print- ing paper, per pound	Bitumi- nous coal, per ton	Petro- leum, crude, per gallon	Bar iron, per pound	Tin plates, terne- plates, per pound	Copper, pigs, ingots, bars, per pound	Tin, bars, blocks, pigs, per pound	Sodi- um nitrate, per ton
				Carpet	Cloth- ing	Comb- ing												
June 30—	Dollars	Dollars	Cents	Cents	Cents	Cents	Dollars	Dollars	Dollars	Dollars	Cents	Dollars	Cents	Cents	Cents	Cents	Cents	Dollars
1901	163.52	162.69	-----	9	16	20	3.21	-----	12.96	33.93	-----	2.72	-----	2.6	3.2	16.2	27.10	28.37
1902	167.48	186.97	-----	9	12	18	3.31	-----	13.93	30.54	-----	2.74	-----	2.2	3.0	14.6	24.53	28.94
1903	166.96	192.80	-----	10	18	19	3.59	-----	14.80	28.98	-----	2.93	-----	1.9	2.9	12.4	26.83	30.69
1904	148.06	173.96	-----	12	19	22	3.52	-----	15.07	24.88	-----	2.59	-----	2.0	2.7	12.8	26.60	31.54
1905	160.10	195.99	6.5	13	23	25	3.34	-----	15.35	26.87	-----	2.44	-----	1.9	2.8	13.6	27.55	34.31
1906	170.55	187.90	6.5	14	24	28	3.64	-----	15.60	29.16	-----	2.40	-----	1.9	2.8	15.1	33.32	35.08
1907	176.00	199.51	8.2	15	26	30	4.20	4.29	17.40	29.79	-----	2.48	-----	1.9	3.3	19.8	39.70	41.05
1908	174.92	171.05	7.4	15	22	27	4.13	5.40	19.23	30.79	-----	2.59	-----	2.0	3.0	16.8	32.72	38.03
1909	153.45	115.60	5.9	11	21	21	3.38	5.96	18.85	31.47	-----	2.85	-----	1.8	2.7	13.3	28.54	35.61
1910	161.89	112.78	5.0	13	24	25	3.21	6.39	18.35	31.11	2.4	2.75	-----	1.8	2.8	12.5	30.52	30.60
1911	177.78	116.04	5.3	13	23	26	3.25	6.40	18.49	28.42	2.4	2.83	-----	2.0	3.2	11.9	36.67	31.25
1912	219.75	116.74	6.6	13	21	24	3.11	6.47	17.45	29.78	2.4	2.85	1.9	2.0	4.3	12.7	41.56	32.09
1913	193.67	171.08	8.9	14	23	25	3.15	6.71	17.34	32.14	2.4	2.77	1.5	2.0	3.4	15.3	46.30	35.17
1914	177.34	196.82	8.6	17	25	26	3.42	6.75	19.05	33.49	2.4	2.71	1.5	2.0	3.0	14.4	39.35	31.82
1915	217.73	180.12	7.0	17	23	25	3.09	6.67	18.96	33.82	2.4	2.90	1.4	1.9	3.3	13.4	32.44	28.34
1916	252.45	178.31	9.0	22	28	29	3.61	6.51	18.97	33.77	2.4	2.99	1.4	2.8	7.9	19.4	35.34	29.98
1917	258.02	225.00	10.8	29	36	39	4.61	6.78	20.86	60.71	3.1	3.23	1.4	4.1	10.8	26.1	39.97	35.06
1918	403.40	352.99	13.3	40	54	62	4.69	9.46	25.49	62.66	4.2	4.42	1.3	4.8	8.4	24.6	54.60	43.64
Dec. 31—																		
1919	561.59	280.95	14.9	38	51	59	7.35	9.99	32.38	65.24	3.5	5.48	1.2	5.1	12.4	20.7	56.73	48.00
1920	411.75	304.09	15.6	32	51	58	9.48	13.62	42.73	110.50	4.7	6.06	1.3	6.1	14.5	18.4	58.50	47.75
1921	255.56	184.71	8.7	12	22	20	5.71	14.23	35.06	63.30	5.0	6.56	1.3	4.7	12.1	12.7	30.71	48.71
1922	232.40	124.89	9.4	17	25	29	7.21	10.53	29.54	56.29	3.5	5.92	1.3	2.8	5.1	12.7	30.26	48.21
1923	288.61	130.32	11.2	21	37	38	7.92	9.95	31.75	60.52	3.7	6.03	1.6	2.6	5.2	14.5	39.56	47.05
1924	345.50	175.54	10.3	24	46	47	6.39	10.24	30.11	55.71	3.7	5.73	2.3	2.7	6.8	12.6	47.32	47.81
1925	458.87	290.51	13.6	30	46	53	6.21	10.20	30.33	55.09	3.6	4.90	2.9	2.0	12.6	12.9	55.40	47.23
1926	373.78	263.92	13.7	26	35	39	5.91	10.25	28.79	59.01	3.3	4.85	3.1	2.3	6.1	12.6	60.63	46.79
1927	309.08	255.57	11.8	26	34	37	5.27	10.32	27.82	57.37	3.3	4.52	3.2	2.0	8.0	11.8	63.30	40.24

Source: Bureau of Foreign and Domestic Commerce.



## 15. WAGES AND EMPLOYMENT

### No. 349.—WAGES AND HOURS OF LABOR: AVERAGE FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR IN SPECIFIED MANUFACTURING INDUSTRIES

[NOTE.—“The general index” (based on 1913=100) covers all occupations of industry or branch of industry indicated, including various occupations not shown separately. For hours of labor in mines and quarries see Table 687; also consult index under “Wages” for data in other sections.]

#### TEXTILE INDUSTRIES

Year	Hours per week		Wages per hour		Hours per week		Wages per hour		Hours per week		Wages per hour		Hours per week		Wages per hour		Hours per week		Wages per hour	
	Cotton goods manufacturing																			
	Weavers, male		Weavers, female		Spinners, frame, male		Spinners, frame, female		Speeder tenders, male		Speeder tenders, female		General index <sup>1</sup>							
	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.								
1910	58.8	0.151	57.8	0.147	57.2	0.120	55.0	0.106	61.4	0.131	57.8	0.133	102.1	57.8						
1913	57.6	.170	56.7	.164	56.9	.143	57.8	.128	59.8	.145	56.5	.153	100.0	100.0						
1914	56.8	.176	55.8	.167	54.7	.150	56.9	.132	59.3	.153	55.8	.155	98.4	103.4						
1916	56.7	.205	55.7	.201	54.4	.184	57.2	.149	58.5	.174	55.6	.168	98.6	120.9						
1918	56.2	.301	55.4	.285	54.3	.248	56.1	.233	58.2	.265	55.0	.277	97.1	180.4						
1920	51.8	.573	50.3	.528	50.7	.475	51.8	.427	54.2	.533	50.2	.456	89.8	324.3						
1922	52.6	.389	51.6	.380	53.4	.292	52.0	.301	54.1	.358	51.0	.369	91.5	223.0						
1924	52.8	.449	51.8	.429	53.2	.369	53.1	.319	54.3	.394	51.2	.411	91.9	251.4						
1926	53.2	.396	51.9	.375	53.1	.280	53.5	.262	55.1	.348	51.0	.366	92.4	221.6						
The men's clothing industry																				
	Cutters, cloth, male		Pressers, coat, male		Operators, coat, male		Operators, coat, female		Hand sewers, coat, female		Basters, coat, male		General index <sup>1</sup>							
1911	49.9	0.406	53.1	0.240	55.9	0.264	54.2	0.195	54.8	0.155	55.3	0.220	104.6	86.7						
1913	49.0	.433	52.3	.291	52.5	.305	52.1	.199	52.1	.179	52.5	.267	100.0	100.0						
1914	48.6	.448	51.9	.290	51.9	.321	51.8	.213	51.7	.177	52.1	.257	99.2	99.6						
1919	47.7	.628	47.8	.541	47.6	.591	48.1	.361	47.8	.334	47.5	.511	92.6	173.6						
1922	44.0	1.033	44.1	.869	44.1	.962	43.9	.593	44.2	.526	44.3	.848	85.3	283.2						
1924	44.2	1.111	44.2	.934	44.1	1.032	43.6	.614	44.1	.555	44.4	.899	85.3	295.7						
1926	44.2	1.123	44.3	.933	44.1	1.034	44.4	.638	44.4	.545	44.3	.926	85.7	291.8						
Woollen goods																				
	Weavers, male		Weavers, female		Spinners, mule, male		Spinners, frame, female		Burlers, female		Laborers, dyehouse, male		General index <sup>1</sup>							
1910	57.1	0.207	56.3	0.180	57.0	0.224	56.0	0.122	56.5	0.130	56.3	0.143	101.3	90.4						
1913	56.3	.232	56.0	.197	56.5	.239	55.5	.140	55.6	.146	56.0	.159	100.0	100.0						
1914	55.2	.238	54.7	.203	56.0	.249	54.2	.147	54.6	.155	54.9	.160	98.2	102.8						
1916	54.9	.304	54.5	.271	55.3	.316	53.9	.180	54.6	.185	55.0	.197	97.9	127.1						
1918	54.5	.470	54.1	.406	54.9	.499	52.4	.276	54.1	.276	54.7	.304	97.0	193.2						
1920	48.3	.807	48.3	.747	48.2	.816	48.2	.481	48.4	.452	48.3	.564	86.3	354.8						
1922	48.3	.616	48.4	.576	49.2	.670	48.4	.345	48.2	.371	48.9	.435	87.1	267.9						
1924	48.6	.701	48.9	.654	48.9	.756	48.9	.417	49.2	.420	49.2	.490	87.7	301.1						
1926	48.9	.652	49.2	.600	47.9	.695	49.3	.362	49.3	.381	49.4	.445	88.0	277.4						
Hosiery and underwear																				
	Boarders, hosiery, male		Finishers, underwear, female		Knitters, web or tube, underwear, male		Knitters, footers, and toppers, hosiery, female		Loopers, hosiery, female		Seamers, underwear, female		General index <sup>1</sup>							
1910	57.0	0.193	57.9	0.150	58.0	0.201	57.5	0.121	57.8	0.123	57.8	0.143	104.1	81.9						
1913	55.8	.219	54.7	.184	55.4	.249	56.0	.149	56.0	.150	54.5	.176	100.0	100.0						
1914	55.3	.230	54.5	.190	55.7	.229	54.9	.150	54.8	.157	54.1	.183	96.7	103.6						
1919	52.5	.450	51.9	.297	52.9	.407	53.0	.272	52.2	.296	51.3	.287	94.2	183.1						
1922	51.3	.462	50.2	.327	51.8	.448	50.7	.293	50.8	.327	50.3	.325	91.9	213.3						
1924	51.9	.531	49.8	.377	51.8	.528	50.8	.344	50.8	.384	50.2	.372	91.4	246.4						
1926	52.4	.481	50.8	.358	52.0	.534	52.5	.298	52.4	.371	50.2	.374	92.4	266.9						

<sup>1</sup> Includes occupations shown together with other occupations in the industry.



## No. 849.—WAGES AND HOURS OF LABOR, ETC.—Continued

## BOOT AND SHOE INDUSTRY

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Cutters, hand, male		Triers, male		Vampers, female		Bed-machine operators, male		Top stitchers, male		Lining makers, female		General index <sup>1</sup>	
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.
1910.....	56.3	0.319	55.9	0.259	56.9	0.238	56.4	0.311	56.3	0.188	56.5	0.164	102.7	92.0
1912.....	54.5	.351	55.3	.282	54.7	.246	55.2	.330	54.6	.210	54.6	.190	100.0	100.0
1914.....	54.0	.366	55.3	.279	54.1	.243	55.1	.321	54.2	.212	54.1	.189	99.3	100.8
1916.....	53.9	.375	54.9	.291	53.9	.254	55.0	.349	54.0	.220	53.9	.198	99.1	107.5
1918.....	52.0	.484	52.3	.403	51.7	.312	52.1	.500	51.8	.285	51.5	.241	94.9	139.7
1920.....	47.8	.529	48.3	.577	48.8	.506	48.7	.789	48.5	.448	48.6	.378	88.2	232.0
1922.....	48.3	.787	48.6	.577	49.0	.480	49.9	.668	49.3	.433	48.8	.362	88.4	207.9
1924.....	48.4	.837	48.8	.624	49.4	.519	49.1	.692	49.3	.462	49.3	.369	88.9	214.1
1926.....	48.9	.808	49.2	.611	49.1	.531	49.1	.700	49.3	.486	49.3	.413	88.9	219.1

## IRON AND STEEL INDUSTRY

Blast furnaces														
	Stockers		Larry-men		Blowers		Keepers		Keepers' helpers		Laborers		General index <sup>1</sup>	
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.
1913.....	74.9	0.192	82.3	0.217	82.2	0.332	82.0	0.235	82.2	0.186	72.5	0.171	100	100
1914.....	74.9	.188	78.6	.215	80.7	.338	79.6	.233	80.6	.185	70.8	.177	97	100
1915.....	74.6	.188	78.6	.211	80.6	.336	79.4	.232	80.1	.182	71.3	.171	97	101
1917.....	77.4	.205	77.2	.327	77.8	.485	77.4	.344	77.6	.292	75.3	.281	(1)	(1)
1919.....	78.1	.465	80.4	.542	79.8	.755	80.6	.562	80.2	.480	77.9	.457	(1)	(1)
1920.....	75.5	.527	73.8	.586	73.2	.868	73.7	.636	74.5	.522	72.3	.474	94	279
1922.....	74.4	.352	75.1	.402	72.4	.678	75.3	.420	75.3	.349	67.7	.315	94	194
1924.....	60.5	.465	57.7	.546	58.3	.889	57.1	.579	58.6	.475	62.4	.401	78	254
1926.....	60.1	.465	57.9	.551	58.5	.902	57.4	.577	59.1	.471	62.4	.389	78	252

Open-hearth furnaces														
	Stockers		Charging-machine operators		Melters' helpers, first		Steel pourers		Ladle men		Laborers		General index <sup>1</sup>	
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.
1913.....	77.8	0.197	78.0	0.335	77.1	0.440	77.0	0.370	77.2	0.341	78.2	0.187	100	100
1914.....	77.0	.204	77.4	.307	75.6	.420	74.4	.339	76.5	.305	69.5	.185	97	100
1915.....	77.3	.199	77.7	.330	75.5	.437	75.7	.356	76.0	.327	70.8	.196	97	104
1917.....	77.4	.296	77.1	.467	76.3	.596	76.0	.466	76.4	.406	74.4	.292	(1)	(1)
1919.....	75.7	.506	75.3	.763	74.9	.996	73.2	.796	75.6	.733	76.2	.468	(1)	(1)
1920.....	70.9	.573	67.2	.895	69.4	1.089	68.0	.929	68.3	.837	68.5	.525	90	263
1922.....	73.9	.379	72.2	.625	71.4	.775	70.4	.645	72.9	.588	67.9	.354	92	203
1924.....	58.2	.540	56.3	.863	55.5	1.064	56.5	.837	55.2	.832	59.0	.434	76	268
1926.....	57.8	.535	55.7	.651	55.3	1.170	55.6	.889	54.9	.900	56.2	.429	74	266

Bar mills														
	Stockers		Rollers		Roughers		Finishers		Hotbed men		Laborers		General index <sup>1</sup>	
	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.	Hours per week	Dolls.
1913.....	60.2	0.216	59	0.985	59.8	0.436	59.6	0.350	60.3	0.217	62.6	0.169	100	100
1914.....	60.4	.199	59.0	.936	58.8	.436	60.0	.341	60.3	.213	63.3	.173	100	97
1915.....	60.2	.198	59.4	.944	58.9	.438	59.8	.352	60.0	.216	62.9	.173	100	92
1919.....	63.7	.524	61.3	1.821	60.7	.933	61.6	.766	59.4	.545	66.1	.443	(1)	(1)
1920.....	61.5	.612	59.5	1.949	57.8	1.034	60.0	.866	58.8	.618	65.1	.506	100	248
1922.....	59.2	.420	58.4	1.416	57.3	.709	57.9	.638	58.3	.439	64.5	.316	100	199
1924.....	56.0	.502	53.9	1.577	54.7	.810	54.0	.749	53.8	.638	57.5	.392	90	203
1926.....	54.2	.519	53.2	1.609	53.2	.847	53.0	.648	53.0	.564	55.0	.411	89	206

<sup>1</sup> Includes occupations shown together with other occupations in the industry<sup>2</sup> Not available. Data were collected for a group of selected occupations only in 1917 and 1919.

## No. 349.—WAGES AND HOURS OF LABOR, Etc.—Continued

## IRON AND STEEL INDUSTRY—Continued

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Tin-plate mills															
	Rollers		Roughers		Doubblers		Heaters, level-handed		Tinners		Assorters, female		General index <sup>1</sup>			
	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Index	Index	Hours	Dolls.
1913	42.7	1.139	42.7	0.533	42.7	0.740	42.7	0.595	43.6	0.433	53.7	0.163	100	100		
1914	42.7	1.115	42.7	.560	42.7	.734	42.7	.622	43.5	.442	53.3	.153	100	102		
1915	42.7	1.106	42.7	.562	42.7	.718	42.7	.611	43.3	.442	55.4	.162	100	103		
1919	42.7	2.248	42.7	1.193	42.7	1.408	42.7	1.273	43.0	.977	48.5	.417	( <sup>5</sup> )	( <sup>7</sup> )		
1920	42.7	2.542	42.7	1.363	42.7	1.655	42.7	1.465	42.9	1.114	46.9	.465	110	228		
1922	42.7	1.701	42.7	.898	42.7	1.046	42.7	1.001	43.3	.796	43.3	.365	105	156		
1924	42.7	2.099	42.7	1.150	42.7	1.243	42.7	1.229	43.4	.976	43.6	.423	106	191		
1925	42.7	1.636	42.7	.902	42.7	.787	42.7	.917	43.5	.840	43.4	.384	104	169		

## GENERAL INDEXES FOR OTHER BRANCHES—IRON AND STEEL

Year	Bessemer converters		Puddling mills		Blooming mills		Plate mills		Standard-rail mills		Sheet mills	
	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index	Index
1913	100	100	(?)	(?)	100	100	100	100	100	100	100	100
1914	98	90	100	100	97	102	99	101	99	99	100	101
1915	98	93	98	96	97	101	96	106	100	97	100	98
1920	100	238	101	270	92	249	98	263	86	249	96	315
1922	98	185	98	151	93	178	96	187	87	186	98	144
1924	75	220	106	220	75	231	62	220	81	226	96	167
1925	75	226	96	200	74	237	60	238	78	224	93	157

## FOUNDRIES

Year	Core makers, males		Core makers, females		Laborers, males		Molders, hand, floor, males		Pattern makers, males		Employees in all occupations			
	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.
1923	51.4	0.690	49.3	0.431	53.5	0.428	51.2	0.729	51.1	0.750	52.4	0.590	49.3	0.404
1925	50.3	.734	48.6	.444	52.5	.481	50.4	.802	50.4	.804	51.6	.612	49.0	.427
1927	50.4	.755	48.4	.495	52.1	.492	49.9	.820	50.3	.830	51.1	.626	49.0	.462

## MACHINE SHOPS

Year	Assemblers, males		Bench hands and fitters, males		Laborers, males		Lathe hands and operators, engine, males		Machinists, males		Employees in all occupations			
	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.
1923	50.6	0.575	49.9	0.615	51.1	0.416	50.9	0.533	50.0	0.683	50.2	0.560	49.1	0.366
1925	49.6	.634	49.8	.643	50.6	.456	50.3	.663	49.9	.702	50.4	.604	49.3	.420
1927	50.1	.653	49.5	.662	50.4	.456	50.7	.695	49.3	.728	50.1	.629	48.9	.408

## LUMBER INDUSTRY

Year	Doggers		Setters		Sawyers, band		Edgemen		Trimmer operators		Laborers		General index <sup>1</sup>	
	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Hours	Dolls.	Index	Index
1910	(4)	(4)	(4)	(4)	61.2	0.543	61.2	0.255	61.0	0.209	61.3	0.166	100	97
1913	61.2	0.184	61.0	0.258	60.9	.567	61.0	.268	61.0	.217	61.1	.171	100	100
1915	61.3	.178	61.2	.239	61.0	.539	61.0	.252	61.1	.203	61.3	.157	100	91
1919	57.8	.358	57.0	.446	57.5	.768	57.5	.450	57.3	.408	57.1	.345	92	104
1921	58.1	.306	57.6	.412	57.8	.797	57.5	.437	57.0	.380	57.2	.285	94	100
1923	57.6	.343	57.0	.474	57.0	.893	57.1	.492	56.9	.430	57.5	.310	94	120
1925	58.2	.332	57.5	.468	57.7	.877	57.8	.468	57.7	.409	57.5	.300	94	175

<sup>1</sup> Includes occupations shown together with other occupations in the industry.<sup>2</sup> Not available. Data were collected for a group of selected occupations only in 1919.<sup>3</sup> No data.<sup>4</sup> Data for doggers and setters combined are shown as carriage men prior to 1911.

No. 349.—WAGES AND HOURS OF LABOR, ETC.—Continued  
SLAUGHTERING AND MEAT PACKING INDUSTRY

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Cattle killing												Hog killing,	
	Headers, male		Leg breakers, male		Floormen or siders, male		Gutters, male		Splitters, male		Laborers, male		Stickers, male	
	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.
1917.....	( <sup>2</sup> )	0.384	( <sup>2</sup> )	0.318	( <sup>2</sup> )	0.563	( <sup>2</sup> )	0.319	( <sup>2</sup> )	0.591	( <sup>2</sup> )	0.238	( <sup>2</sup> )	0.357
1921.....	47.6	.645	47.8	.574	48.0	.848	47.8	.578	47.8	.855	47.8	.471	49.6	.611
1923.....	52.1	.627	52.8	.529	52.6	.849	52.5	.554	52.5	.857	52.2	.436	53.0	.652
1925.....	50.0	.641	49.9	.558	49.9	.856	50.1	.575	50.0	.855	50.2	.442	51.8	.627
1927.....	48.8	.662	49.1	.556	49.2	.877	49.0	.587	49.1	.876	49.4	.451	50.3	.631
	Hog killing—Continued										All departments <sup>3</sup>			
	Scalders, male		Shavers and scrapers, male		Gutters, male		Splitters, male		Laborers, male		All males		All females	
	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.	( <sup>1</sup> )	Dolls.
	( <sup>2</sup> )	Dolls.	( <sup>2</sup> )	Dolls.	( <sup>2</sup> )	Dolls.	( <sup>2</sup> )	Dolls.	( <sup>2</sup> )	Dolls.	( <sup>2</sup> )	Dolls.	( <sup>2</sup> )	Dolls.
1917.....	( <sup>2</sup> )	0.295	( <sup>2</sup> )	0.290	( <sup>2</sup> )	0.337	( <sup>2</sup> )	0.364	( <sup>2</sup> )	0.237	( <sup>2</sup> )	0.271	( <sup>2</sup> )	0.178
1921.....	48.8	.516	48.9	.502	48.7	.584	48.8	.621	48.8	.451	48.4	.511	48.3	.365
1923.....	52.1	.496	52.5	.497	52.4	.572	52.3	.627	52.2	.444	52.2	.499	52.8	.361
1925.....	51.9	.514	51.4	.523	51.9	.590	51.5	.635	51.7	.433	50.2	.507	49.4	.359
1927.....	50.5	.521	50.6	.535	50.4	.589	50.1	.630	51.0	.442	49.3	.520	49.1	.364

<sup>1</sup> No data.  
<sup>2</sup> Includes cattle, hog, sheep, and calf killing, offal, hide, casing, cutting or fresh beef, cutting or fresh pork, lard and oleo oil, sausage, cured meat, canning, and maintenance and repair departments.

No. 350.—WAGES PER HOUR IN THE COAL-MINING INDUSTRY

[NOTE.—Practically all mines operate on a 48-hour week, but contract miners and their laborers in anthracite mines, and loaders, pick miners, and machine miners in bituminous mines, generally work less hours. General averages are weighted according to relative importance of the different occupations. Data are not collected annually, but at intervals, and at present are available only for the years specified]

Industry and occupation			1922	1924	Industry and occupation			1922	1924	1926
Anthracite: <sup>1</sup>					Bituminous:					
Average wages (cents per hour)—					Average wages (cents per hour)—					
General average.....			79.5	85.7	General average <sup>2</sup> .....			85.3	78.8	76.3
Contract miners.....			117.3	143.2	Brakemen <sup>1</sup> .....			77.9	71.0	68.7
Laborers.....			82.9	97.1	Drivers <sup>1</sup> .....			82.4	74.8	70.8
Drivers.....			58.0	63.2	Loaders <sup>3</sup> .....			90.2	81.1	77.9
Company miners.....			69.7	79.5	Miners, pick <sup>3</sup> .....			84.0	80.8	78.3
Laborers.....			62.9	69.6	Miners, machine <sup>2</sup> .....			127.4	116.3	119.5
Trackmen.....			67.5	74.1	Trackmen <sup>1</sup> .....			82.6	73.7	70.5

<sup>1</sup> Based on hours actually worked, excluding lunch time.  
<sup>2</sup> Based on a combination of hours at place of work in mine, including lunch time for loaders and miners, and hours actually worked for all other employees.  
<sup>3</sup> Based on hours actually worked, plus lunch time.

No. 351.—INDEX NUMBERS OF UNION WAGE RATES AND HOURS OF LABOR

[NOTE.—Rates and hours for 1913=100. The index for 1925, 1926, and 1927 covers only the occupations listed in Table 354; for previous years it included also the metal-working and millwork trades. See also headnote, Table 353]

Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time	Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time
1908.....	91	102	93	1918.....	133	97	130
1909.....	92	102	93	1919.....	155	95	148
1910.....	94	101	95	1920.....	199	94	189
1911.....	96	101	97	1921.....	205	94	193
1912.....	98	100	98	1922.....	193	94	183
1913.....	100	100	100	1923.....	211	94	199
1914.....	102	100	102	1924.....	228	94	214
1915.....	103	99	102	1925.....	238	93	222
1916.....	107	99	106	1926.....	250	93	233
1917.....	114	98	112	1927.....	259	92	241

Source of Tables 349, 350, and 351: Bureau of Labor Statistics, Department of Labor.

**No. 352.—WAGES PER HOUR AND HOURS OF LABOR PER WEEK IN SUNDRY INDUSTRIES**

[NOTE.—General averages are weighted according to relative importance of the different occupations. Data are not collected annually, but at intervals, and at present are available only for the years specified]

Industry and occupation	Hours or wages	Industry and occupation	Hours or wages
<b>AUTOMOBILE INDUSTRY, 1925</b>		<b>WRAPPING PAPER MILLS, 1923—Contd.</b>	
Hours, average.....	50.3	Average wages—Continued.	
Average wages:	Cents	Back tenders.....	63.8
General average.....	72.3	Third hands.....	54.3
Chassis assemblers.....	69.4	Cutter men.....	49.2
Motor assemblers.....	74.7	Packers.....	46.2
Gear gutter operators.....	74.6		
Grinding machine operators.....	76.5	<b>WRITING PAPER MILLS, 1923</b>	
Motor testers.....	71.2	Hours, average.....	51.3
Tool and die makers.....	87.5	Average wages:	Cents
<b>AUTOMOBILE TIRE INDUSTRY, 1923</b>		General average.....	51.3
Hours, average.....	49.5	Beater men.....	49.5
Average wages:	Cents	Machine tenders.....	89.0
General average.....	72.2	Back tenders.....	63.4
Builders and finishers.....	89.3	Calender men.....	56.9
Builders and makers, cord tires.....	90.0	Cutter men.....	50.0
Curers, tires.....	86.9	Packers.....	52.8
Finishers and threaders, cord tires.....	86.6		
Laborers.....	51.4	<b>PAPER BOX BOARD, 1925</b>	
Millmen.....	73.5	Hours, average.....	54.3
<b>WOOD PULP MILLS, 1923</b>		Average wages:	Cents
Hours, average.....	52.7	General average.....	51.7
Average wages:	Cents	Head beater men.....	66.9
General average.....	46.4	Beater helpers.....	46.2
Chipper men.....	45.5	Machine tenders.....	79.9
Grinder men.....	49.7	Back tenders.....	58.2
Cooks, sulphite.....	70.2	Cutter boys.....	44.6
Blow-pit men.....	47.4	Screenmen.....	47.2
Screenmen.....	46.7		
Pressmen.....	46.6	<b>POTTERIES, SEMIVITREOUS, 1925</b>	
<b>BOOK PAPER MILLS, 1923</b>		Hours, average.....	(1)
Hours, average.....	51.4	Average wages:	Cents
Average wages:	Cents	General average, males and females.....	59.6
General average.....	49.7	Males.....	70.5
Beater men.....	48.8	Females.....	38.5
Machine tenders.....	82.5	Jigger men.....	90.2
Back tenders.....	60.9	Kiln placers, bisque, male.....	105.2
Calender men.....	57.7	Dippers, male.....	123.3
Cutter men.....	47.0	Kiln placers, glost, male.....	104.2
Packers.....	51.7	Kiln drawers, male.....	71.8
<b>NEWSPRINT MILLS, 1923</b>		Dressers, female.....	34.8
Hours, average.....	49.4	Transferrers, female.....	37.5
Average wages:	Cents		
General average.....	58.5	<b>POTTERIES, VITREOUS, 1925</b>	
Beater men.....	45.7	Hours, average.....	(1)
Machine tenders.....	94.3	Average wages:	Cents
Back tenders.....	75.8	General average, males and females.....	52.1
Third hands.....	64.1	Males.....	63.8
Fourth hands.....	51.3	Females.....	32.9
Packers.....	46.8		
<b>WRAPPING PAPER MILLS, 1923</b>		<b>METALLIFEROUS MINING, 1924</b>	
Hours, average.....	52.4	Hours, average.....	53.0
Average wages:	Cents	Average wages:	Cents
General average.....	51.7	General average.....	55.9
Beater men.....	47.0	Drilling-machine operators—	
Machine tenders.....	83.2	Company.....	59.4
		Contract.....	72.9
		Muckers.....	55.4
		Timbermen.....	60.4
		Topmen.....	42.8
		Trammers.....	55.0

<sup>1</sup> The normal or customary hours of operation of the great majority of the potteries included in the study are 9 hours per day and 54 hours per week. Working hours in a pottery, however, are more nominal than normal, as so many employees are pieceworkers and to quite an extent determine their own time.

Source: Bureau of Labor Statistics, Department of Labor.

98827°—SA 1928—23

No. 353.—INDEX NUMBERS OF UNION HOURS OF LABOR PER WEEK AND RATES OF WAGES PER HOUR, BY OCCUPATIONS

[NOTE.—The figures cover the principal cities of the United States. The relative hours are percentages showing the change in the regular full-time working hours per week, account not being taken of loss of time from slack work or other causes nor of overtime work. The relative wages are percentages which indicate the change in wages per hour. The figures are based on the scale prevailing May 15 each year. For absolute hourly wage rates for the same and other occupations, see Table 354]

[1913=100]

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Building trades											
	Bakers		Bricklayers		Building laborers		Carpenters		Cement fin- ishers		Cement fin- ishers' helpers	
1910.....	109	86	101	97	100	95	101	95	102	94	100	93
1913.....	100	100	100	100	100	100	100	100	100	100	100	100
1916.....	98	107	99	104	99	106	99	106	98	103	100	102
1918.....	96	142	99	115	98	137	98	126	96	120	99	124
1920.....	90	264	99	175	95	226	98	195	95	183	99	226
1921.....	90	279	99	173	95	228	98	198	95	188	99	226
1922.....	90	267	99	168	94	214	99	183	95	175	99	217
1923.....	90	276	99	191	95	218	99	204	95	191	99	223
1924.....	90	284	99	202	94	242	99	218	95	211	99	248
1925.....	90	293	98	213	94	232	99	223	95	213	99	261
1926.....	90	277	98	226	95	255	99	238	95	227	99	288
1927.....	90	287	98	232	95	256	99	247	94	237	99	294
Building trades—Continued												
	Engineers, portable and hoisting		Hod carriers		Inside wire- men		Lathers		Marble set- ters		Painters	
1910.....			101	97	101	96			100	93	101	98
1913.....	100	100	100	100	100	100	100	100	100	100	100	100
1916.....	99	103	99	105	98	107	99	106	100	102	99	113
1918.....	97	124	99	137	97	127	99	119	100	108	98	129
1920.....	96	176	98	232	96	192	98	189	99	158	95	206
1921.....	96	178	98	238	96	202	98	192	99	161	95	213
1922.....	96	168	98	197	96	190	98	181	99	157	95	199
1923.....	96	186	98	215	96	197	98	199	99	178	95	219
1924.....	96	197	98	225	96	221	98	215	99	186	95	231
1925.....	96	206	98	251	96	232	98	235	99	190	95	243
1926.....	96	217	98	274	96	245	98	241	99	212	95	258
1927.....	98	224	98	280	96	255	97	250	99	217	94	266
Building trades—Continued												
	Plasterers		Plasterers' laborers		Plumbers and gas fitters		Sheet-metal workers		Steam fitters		Stonemasons	
1910.....	101	97	101	96	100	91	102	91	101	92	101	95
1913.....	100	100	100	100	100	100	100	100	100	100	100	100
1916.....	98	105	99	105	99	103	99	107	99	106	100	106
1918.....	98	113	99	129	98	117	98	131	97	121	100	120
1920.....	98	171	99	213	98	172	97	193	97	179	99	188
1921.....	98	180	98	219	98	181	97	202	97	171	99	193
1922.....	98	174	98	193	98	168	97	188	97	168	99	180
1923.....	98	193	98	212	98	186	97	202	97	176	99	212
1924.....	98	216	98	228	98	202	97	222	97	201	99	225
1925.....	98	220	98	243	98	207	97	229	97	212	99	229
1926.....	95	236	95	257	98	223	97	245	97	230	99	253
1927.....	95	241	95	260	98	227	97	252	97	236	99	256
Building trades—Continued												
	Structural-iron workers		Tile layers		Chauffeurs		Teamsters and drivers		Longshore-men		Granite and stone trades	
1910.....	102	93									102	94
1913.....	100	100	100	100	100	100	100	100	100	100	100	100
1916.....	100	104	99	103	97	106	99	107	100	116	100	105
1918.....	99	126	99	111	94	131	97	133	93	149	100	130
1920.....	99	179	98	163	87	200	90	215	77	233	100	189
1921.....	99	184	98	162	87	203	88	223	77	237	100	209
1922.....	99	167	98	159	88	191	90	213	82	196	99	209
1923.....	99	178	98	174	89	198	89	225	82	209	100	213
1924.....	99	203	98	198	89	206	90	245	82	238	100	214
1925.....	99	204	98	202	88	224	88	254	77	240	100	217
1926.....	99	218	98	212	85	226	89	257	77	242	100	244
1927.....	99	236	98	222	84	242	88	269	76	237	100	243

**No. 353.—INDEX NUMBERS OF UNION HOURS OF LABOR PER WEEK AND RATES OF WAGES PER HOUR, BY OCCUPATIONS—Continued**

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Granite and stone trades— Continued		Metal trades <sup>1</sup>									
	Stonecutters		Blacksmiths		Blacksmiths' helpers		Boiler makers		Core makers		Machinists	
1910.....	100	97	102	95	102	95	101	93	101	88	102	96
1913.....	100	100	100	100	100	100	100	100	100	100	100	100
1916.....	100	106	99	106	99	109	97	106	99	109	97	116
1918.....	100	118	94	163	94	178	95	154	98	157	94	167
1920.....	99	183	91	211	92	240	93	188	90	234	92	209
1921.....	99	190	91	205	92	240	95	192	90	214	98	206
1922.....	99	182	91	198	92	240	95	175	90	188	99	193
1923.....	99	198	91	203	92	245	95	184	90	215	99	201
1924.....	99	213	91	194	92	228	95	192	89	236	99	213
1925.....	99	222										
1926.....	99	242										
1927.....	99	241										
	Metal trades <sup>1</sup> —Continued								Millwork <sup>1</sup>			
	Machinists' helpers		Metal pol- ishers and buffers		Molders, iron		Pattern makers, wood		Carpenters		Painters, hardwood finishers	
1910.....					101	92	101	93				
1913.....	100	100	100	100	100	100	100	100	100	100	100	101
1916.....	100	107	97	108	98	110	99	108	95	107	99	120
1918.....	97	150	95	149	97	157	96	163	92	128	99	139
1920.....	94	210	90	246	89	235	92	243	89	219	90	235
1921.....	94	210	89	234	90	216	91	234	89	240	89	255
1922.....	95	188	89	229	90	192	91	214	89	219	91	246
1923.....	95	244	89	249	90	217	91	218	89	237	91	284
1924.....	95	287	90	247	89	236	91	220	89	258	92	202
	Printing and publishing: Book and job											
	Bookbinders		Compositors		Electrotypers: Finishers and molders		Machine operators		Press assist- ants and feeders		Pressmen, cylinder	
1910.....	100	95	100	94	101	92	100	94	100	92	100	95
1913.....	100	100	100	100	100	100	100	100	100	100	100	103
1916.....	100	102	100	105	100	110	100	102	100	104	100	100
1918.....	100	122	100	119	100	119	100	113	100	129	100	114
1920.....	100	204	100	191	99	196	100	175	100	228	100	182
1921.....	95	220	94	220	96	223	94	201	94	246	95	205
1922.....	94	211	92	223	95	227	93	200	93	238	93	206
1923.....	93	224	91	229	96	242	92	204	93	266	93	211
1924.....	93	234	92	239	96	251	92	213	93	264	93	227
1925.....	93	237	92	237	97	250	92	212	93	279	93	223
1926.....	93	241	92	242	97	252	92	215	92	282	92	231
1927.....	93	246	92	247	97	255	92	223	92	285	92	231
	Printing and publishing: Book and job—Con.		Printing and publishing: Newspaper									
	Pressmen, platen		Compositors, daywork		Machine operators, daywork		Machine tenders (machinists), daywork		Pressmen, web presses, daywork		Stereotypers, daywork	
1910.....	100	95	100	93	101	95			100	95	100	92
1913.....	100	100	100	100	100	100	100	100	100	100	100	100
1916.....	100	104	100	102	99	103	100	101	100	102	100	102
1918.....	100	120	100	110	99	110	100	108	100	113	100	109
1920.....	100	200	100	161	99	167	100	172	101	169	100	150
1921.....	95	232	99	175	99	175	100	179	101	184	98	174
1922.....	94	226	101	176	100	181	100	180	102	180	100	172
1923.....	93	236	101	178	100	183	100	181	102	182	100	175
1924.....	93	243	100	189	99	193	100	192	100	199	100	180
1925.....	93	244	99	194	99	198	100	185	100	208	100	185
1926.....	92	256	99	197	99	202	100	185	100	212	100	188
1927.....	92	258	99	202	98	209	100	195	100	223	99	191

<sup>1</sup> Data not available for 1925, 1926, and 1927.

Source: Bureau of Labor Statistics, Department of Labor.

# No. 354.—AVERAGE UNION RATE OF WAGES PER HOUR IN TRADES SPECIFIED, FOR THE UNITED STATES, AS OF MAY 15

[NOTE.—Statistics cover the principal cities of the United States. For index numbers based on these rates, in the principal trades, see Table 353.]

Occupation	1923	1926	1927	Occupation	1923	1926	1927
Grand average, all trades herein covered.....	Dolla. 0.965	Dolla. 1.145	Dolla. 1.190	PRINTING AND PUBLISHING, BOOK AND JOB	Dolla.	Dolla.	Dolla.
Bakers.....	.921	.925	.957	Bindery women.....	0.507	0.489	0.522
BUILDING TRADES				Bookbinders.....	.907	.975	.905
Asbestos workers.....	1.005	1.247	1.309	Compositors.....	1.024	1.065	1.106
Bricklayers.....	1.321	1.565	1.603	Electrotypers.....	1.158	1.209	1.223
Sewer, tunnel, and caisson.....	1.534	1.914	2.101	Machine operators:			
Building laborers.....	728	.861	.854	Piece-work.....	1.150	3.160	1.150
Carpenters.....	1.084	1.267	1.311	Time-work.....	1.062	1.121	1.162
Millwrights.....	1.164	1.307	1.399	Machine tenders.....	1.068	1.195	1.238
Parquetry-floor layers.....	1.262	1.439	1.422	Machinist operators.....	1.028	1.065	1.144
Wharf and bridge.....	994	1.255	1.317	Photo-engravers.....	1.043	1.218	1.276
Cement finishers.....	1.113	1.321	1.379	Press assistants and feeders.....	.781	.827	.837
Cement finishers' helpers.....	.805	1.038	1.060	Pressmen			
Composition roofers.....	.977	1.267	1.302	Cylinder.....	1.052	1.119	1.121
Composition roofers' helpers.....	.695	.932	.750	Platen.....	.859	.932	.941
Elevator constructors.....	1.115	1.382	1.423	Average, printing and publishing, book and job.....	.926	.997	1.021
Elevator constructors' helpers.....	.806	1.002	1.083	PRINTING AND PUBLISHING: NEWSPAPER			
Engineers, portable and hoisting.....	1.141	1.336	1.379	Compositors			
Glassers.....	1.041	1.239	1.323	Day work.....	1.013	1.130	1.149
Red carriers.....	.788	1.002	1.096	Night work.....	1.151	1.249	1.390
Inside wiremen.....	1.079	1.339	1.396	Machine operators, day work.....			
Fixture hangers.....	1.065	1.216	1.206	Piece-work.....	1.189	3.154	1.160
Lathers				Time-work.....	1.031	1.135	1.176
Piece-work.....	1.720	17.230	19.336	Machine operators, night work.....			
Time-work.....	1.188	1.434	1.492	Piece-work.....	1.160	1.169	1.160
Marble setters.....	1.188	1.417	1.448	Time-work.....	1.130	1.260	1.268
Marble setters' helpers.....	.873	.996	.990	Machine tenders (machinists).....			
Mosaic and terrazzo workers.....	.978	1.240	1.291	Day work.....	1.064	1.089	1.144
Painters				Night work.....	1.179	1.203	1.275
Building.....	1.105	1.305	1.349	Machinist operators:			
Fresco.....	1.125	1.199	1.335	Day work.....	1.007	1.038	1.070
Sign.....	1.330	1.523	1.566	Night work.....	1.040	1.109	1.204
Plasterers.....	1.305	1.595	1.626	Photo-engravers:			
Plasterers' laborers.....	.872	1.058	1.068	Day work.....	1.085	1.213	1.296
Plumbers and gas fitters.....	1.151	1.381	1.409	Night work.....	1.289	1.557	1.541
Plumbers' laborers.....	.879	.957	.975	Pressmen, web presses.....			
Sheet-metal workers.....	1.065	1.291	1.380	Day work.....	.871	1.013	1.066
Ship carpenters.....	.935	.969	.860	Night work.....	.987	1.155	1.220
Slate and tile roofers.....	1.224	1.466	1.535	Stereotypers			
Steam fitters.....	1.052	1.378	1.415	Day work.....	.922	.992	1.005
Steam fitters' helpers.....	.751	.906	.947	Night work.....	1.082	1.138	1.141
Stone masons.....	1.297	1.545	1.563	Average, printing and publishing, newspaper.....	1.047	1.155	1.180
Structural iron workers.....	1.109	1.358	1.464	MISCELLANEOUS			
Finishers.....	1.066	1.372	1.420	Chauffeurs.....	574	.637	703
Finishers' helpers.....	.838	(7)	(7)	Teamsters and drivers.....	590	.673	706
Tile layers.....	1.140	1.389	1.454	Longshoremen.....	722	.835	817
Tile layers' helpers.....	.798	.968	.979	Grain cutters.....	1.089	1.250	1.242
Average, building trades.....	1.068	1.278	1.323	Stonecutters.....	1.151	.404	1.400
				Laundry workers.....	414	.44	.432
				Linemen.....	.888	.903	.991

<sup>1</sup> Per 1,000 laths.

<sup>2</sup> No data.

<sup>3</sup> Rate per 1,000 ems.

Source: Bureau of Labor Statistics, Department of Labor.



# No. 355.—EMPLOYMENT AND PAY-ROLL INDEXES, AND OPERATION RATIOS IN MANUFACTURING INDUSTRIES

[NOTE.—Indexes based on monthly average, 1923=100. Statistics cover 54 industries comprising the 12 groups shown in Table 356 and are based on reports from over 10,000 establishments employing approximately 3,000,000 persons. Indexes are weighted according to relative importance of industries included. The returns cover one week in each month]

Month	Employment index						Pay-roll index				Average per cent of full force employed, 1927	Average per cent of full time active, 1927
	1922	1923	1924	1925	1926	1927	1924	1925	1926	1927		
Average.....	98.4	100.0	90.3	91.2	91.9	88.5	90.6	93.6	95.8	92.4	87	97
January.....	87.0	98.0	95.4	90.0	92.3	89.4	94.5	90.0	93.9	90.9	86	96
February.....	87.7	99.6	96.6	91.6	93.3	91.0	99.4	95.1	97.9	96.4	87	97
March.....	83.2	101.8	96.4	92.3	93.7	91.4	99.0	96.6	99.1	97.7	88	97
April.....	82.4	101.8	94.5	92.1	92.8	90.6	96.9	94.2	97.2	96.6	88	97
May.....	84.3	101.8	90.8	90.9	91.7	89.7	92.4	94.4	95.6	95.6	87	97
June.....	87.1	101.9	87.9	90.1	91.3	89.1	87.0	91.7	95.5	93.3	87	96
July.....	86.8	100.4	84.8	89.3	89.8	87.3	80.8	89.6	91.2	89.1	87	97
August.....	88.0	99.7	85.0	89.9	90.7	87.4	83.5	91.4	94.6	91.0	87	97
September.....	90.6	99.8	86.7	90.9	92.2	88.0	86.0	90.4	95.1	90.1	89	97
October.....	92.6	99.3	87.9	92.3	92.5	87.6	88.5	96.2	96.6	91.2	88	97
November.....	94.5	98.7	87.8	92.5	91.4	85.9	87.6	96.2	95.4	87.8	85	96
December.....	96.6	96.9	89.4	92.6	90.9	85.1	91.7	97.3	95.6	89.3	84	96

# No. 356.—INDEXES OF EMPLOYMENT AND PAY ROLL IN MAJOR GROUPS OF MANUFACTURING INDUSTRIES

[NOTE.—Monthly average 1923=100. Combined index for each group is weighted according to relative importance of industries covered. Figures represent number on pay roll and amount of pay roll for one week of each month. See also preceding table]

Yearly average and month	Food products		Textile products		Iron and steel products		Other metal products		Lumber and manufactures		Leather products	
	Em- ployed	Pay roll	Em- ployed	Pay roll	Em- ployed	Pay roll	Em- ployed	Pay roll	Em- ployed	Pay roll	Em- ployed	Pay roll
1925 average.....	90.9	93.7	89.3	89.5	87.3	90.6	96.7	97.9	93.1	98.1	92.0	89.4
March.....	90.1	92.6	92.4	97.0	88.8	94.0	97.3	99.9	92.5	97.9	95.4	96.0
June.....	89.3	93.3	87.8	84.8	86.6	88.7	95.9	97.0	93.7	100.2	85.9	82.3
September.....	92.3	93.0	86.9	83.2	86.4	85.4	96.3	92.6	94.2	99.7	94.8	90.6
December.....	92.5	96.7	89.6	90.0	90.1	96.9	101.5	105.7	91.6	99.8	89.2	84.3
1926 average.....	89.8	93.8	86.1	85.9	92.0	97.2	97.5	98.5	90.8	97.7	90.3	87.8
March.....	88.3	91.9	90.0	93.0	93.1	100.7	102.9	106.9	89.7	96.3	91.4	90.2
June.....	88.7	93.9	84.0	81.4	92.8	96.4	96.3	97.5	92.1	100.0	85.3	82.7
September.....	92.4	96.3	84.2	82.9	92.6	96.0	95.7	93.6	91.8	100.2	93.9	93.6
December.....	90.4	95.2	87.7	89.2	89.6	96.3	93.6	95.6	88.2	96.4	90.2	86.0
1927 average.....	89.3	93.8	87.2	88.5	85.7	89.3	90.5	90.3	83.4	91.0	88.4	85.5
March.....	87.2	91.0	89.7	94.0	90.3	97.8	94.6	97.9	82.9	90.6	91.6	90.0
June.....	90.7	96.4	86.0	86.2	86.9	91.8	90.7	91.5	84.0	92.7	85.2	82.5
September.....	92.1	95.9	86.9	88.6	84.0	84.7	88.9	86.0	85.1	93.7	91.3	91.0
December.....	89.9	94.6	86.6	87.9	79.7	82.8	86.0	87.1	79.8	88.0	82.9	76.5
	Paper and printing		Chemicals, etc.		Stone, clay, and glass		Tobacco manufactures		Vehicles		Miscellaneous industries	
	Em- ployed	Pay roll	Em- ployed	Pay roll	Em- ployed	Pay roll	Em- ployed	Pay roll	Em- ployed	Pay roll	Em- ployed	Pay roll
1925 average.....	100.8	102.9	94.2	95.9	97.6	103.5	92.0	92.7	91.0	93.5	91.6	94.6
March.....	101.5	106.0	99.0	100.3	95.5	101.9	93.6	90.4	89.9	95.6	93.2	96.1
June.....	99.4	102.6	87.1	91.0	100.7	106.0	90.6	92.3	90.3	92.6	90.9	92.8
September.....	100.2	102.5	97.3	95.6	99.8	103.4	92.0	91.9	92.1	90.9	90.1	90.6
December.....	103.6	112.5	98.0	100.6	98.3	106.3	95.0	101.2	92.7	96.9	94.2	96.9
1926 average.....	103.6	111.5	98.4	101.8	99.7	106.4	85.6	87.7	91.2	92.8	96.8	101.9
March.....	103.1	111.7	105.2	105.8	96.3	103.8	88.2	90.1	96.1	100.2	98.3	102.9
June.....	102.5	110.8	93.7	100.0	104.0	112.4	86.7	88.6	92.1	94.7	94.8	100.3
September.....	104.0	110.8	100.3	102.5	103.6	108.1	85.1	89.1	91.3	91.3	96.4	99.3
December.....	106.1	116.3	97.0	103.5	96.4	104.8	86.3	89.8	82.6	82.3	101.0	109.7
1927 average.....	103.7	112.8	95.1	100.9	94.2	100.3	84.0	85.2	82.8	85.0	96.3	102.8
March.....	104.4	114.2	105.0	110.0	94.8	102.8	83.5	82.1	86.3	91.3	102.5	111.4
June.....	102.4	111.0	90.3	100.0	99.0	105.6	84.6	87.8	85.1	85.8	98.7	104.9
September.....	103.4	111.7	93.8	98.5	95.0	99.4	87.8	91.4	81.7	81.6	91.4	93.2
December.....	105.4	117.0	90.4	98.2	88.8	94.7	84.5	87.9	77.5	80.8	90.4	99.8

Source of Tables 355 and 356. Bureau of Labor Statistics, Department of Labor.



## 16. POSTAL SERVICE

[Postal statistics include data for outlying Territories and possessions except Philippine Islands and Canal Zone]

### No. 357.—UNITED STATES POSTAL SERVICE, 1800 TO 1927

Year ended June 30—	Number of post offices	Mileage of post routes <sup>1</sup>	Finances, thousands of dollars			Revenue per capita, dollars	Money orders issued, thousands of dollars		Number of ordinary postage stamps issued, millions
			Gross revenue	Gross expenditure	Surplus (+) or deficit (—) <sup>2</sup>		Domestic <sup>3</sup>	International <sup>4</sup>	
1800	903	20,817	281	214	+67				
1810	2,300	36,406	552	496	+56				
1820	4,500	72,492	1,112	1,161	—49				
1830	8,450	115,176	1,851	1,933	—82				
1840	13,468	155,739	4,544	4,718	—175	0.27			
1850	18,417	178,672	5,500	5,213	+287	.20			<sup>5</sup> 2
1860	28,498	240,594	8,518	19,171	—10,653	.27			216
1865	20,550	142,340	14,556	13,695	+917	.42	<sup>6</sup> 1,360		387
1870	28,492	231,232	18,880	23,999	—5,098	.49	34,054	<sup>6</sup> 22	468
1875	35,547	277,873	26,791	33,611	—6,820	.61	77,431	1,965	682
1880	42,989	343,888	33,315	36,543	—3,222	.66	100,353	3,464	876
1885	51,252	365,251	42,561	50,046	—7,481	.76	117,859	6,840	1,465
1890	62,401	427,990	60,882	66,260	—5,401	.97	114,363	13,230	2,220
1891	64,329	439,027	65,932	73,060	—7,151	1.03	119,122	14,444	2,398
1892	67,119	447,591	70,930	76,981	—6,111	1.09	120,067	15,120	2,543
1893	68,403	453,833	75,897	81,582	—5,717	1.14	127,576	16,342	2,750
1894	69,805	454,746	75,080	84,994	—9,978	1.11	138,794	13,792	2,602
1895	70,064	456,026	76,983	87,180	—10,230	1.12	156,709	12,906	2,795
1896	70,360	463,313	82,499	90,933	—8,444	1.17	172,101	13,853	3,025
1897	71,022	470,032	82,665	94,077	—11,432	1.15	174,483	13,588	3,064
1898	73,570	480,461	89,013	98,034	—9,055	1.22	191,354	13,240	3,418
1899	75,000	496,948	95,021	101,632	—6,630	1.28	211,214	13,745	3,698
1900	76,688	500,989	102,355	107,740	—5,410	1.34	238,921	16,749	3,999
1901	76,945	511,808	111,631	115,555	—3,982	1.43	274,546	20,073	4,299
1902	75,924	507,540	121,848	124,786	—2,961	1.53	313,551	22,974	4,621
1903	74,169	506,268	134,224	138,784	—4,587	1.66	353,628	35,238	5,271
1904	71,131	496,818	143,583	152,362	—8,813	1.74	378,778	42,550	5,331
1905	68,131	486,805	152,827	167,399	—14,594	1.81	396,903	47,516	5,751
1906	65,600	478,711	167,933	178,450	—10,543	1.96	444,516	63,048	6,284
1907	62,658	463,406	183,585	190,238	—6,692	2.11	479,650	84,081	7,061
1908	61,158	450,738	191,479	208,352	—16,910	2.15	498,700	88,972	7,651
1909	60,144	448,618	203,562	221,004	—17,480	2.24	491,075	76,755	8,732
1910	59,580	447,998	224,129	229,977	—5,881	2.43	547,994	99,743	9,067
1911	59,237	435,488	237,880	237,649	+219	2.53	578,111	109,605	10,046
1912	58,729	436,469	246,744	248,525	—1,786	2.58	583,337	97,660	9,929
1913	58,020	436,293	266,620	262,068	+4,511	2.74	624,489	102,668	10,812
1914	56,810	435,597	287,935	283,544	+4,376	2.91	667,231	101,963	11,112
1915	56,380	433,334	287,248	296,546	—11,333	2.85	656,139	60,772	11,226
1916	55,935	425,950	312,058	306,204	+5,829	3.05	719,365	46,357	11,672
1917	55,414	454,835	329,726	319,839	+9,836	3.18	813,319	41,645	12,452
1918 <sup>7</sup>	54,347	465,371	388,976	324,834	+64,127	3.70	904,650	35,865	13,066
1919 <sup>7</sup>	53,084	455,498	436,239	362,498	+73,735	4.11	1,109,613	39,766	15,020
1920	52,641	435,342	437,150	454,323	—17,270	4.10	1,332,700	32,960	13,212
1921	52,168	434,349	463,491	620,994	—157,518	4.28	1,305,370	24,399	12,870
1922	51,950	454,901	484,854	545,644	—60,815	4.41	1,205,327	20,651	14,262
1923	51,613	460,171	532,828	556,851	—24,065	4.78	1,376,461	34,119	15,478
1924	51,266	467,896	572,949	587,377	—14,464	5.08	1,510,705	50,615	15,954
1925	50,957	464,269	599,591	639,282	—39,745	5.28	1,532,567	52,650	17,387
1926	50,601	470,779	659,820	679,704	—19,972	5.63	1,590,486	63,172	16,333
1927	50,266	478,662	683,122	714,577	—31,506	5.76	1,647,580	68,952	16,000

<sup>1</sup> Not counting rural free delivery routes.

<sup>2</sup> Audited postal surplus or deficit which is greater or less than excess of receipts or expenditures by the amount of adjusted losses and contingencies.

<sup>3</sup> International includes foreign countries on domestic basis. For explanation see note on Table 359.

<sup>4</sup> Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York, July 1, 1847.

<sup>5</sup> From Nov. 1, 1864, to June 30, 1865. Money-order system went into operation Nov. 1, 1864, under act of Congress of May 17, 1864.

<sup>6</sup> From Sept. 1, 1869, to June 30, 1870. International money orders first issued under convention of Oct. 12, 1867.

<sup>7</sup> Gross revenues of department for 1918 and 1919 include \$44,500,000 and \$71,292,000, respectively, war-tax revenue accruing from increased postage.

Source: Annual Reports of the Postmaster General.

## No. 358.—REVENUES, UNITED STATES POSTAL SERVICE

[All figures in thousands of dollars]

Item	Year ended June 30—							
	1910	1915	1920	1922	1924	1925	1926	1927
Total .....	224, 129	227, 248	437, 150	532, 828	672, 949	599, 891	659, 890	683, 122
Ordinary postal revenue ..	219, 329	279, 440	424, 406	517, 289	553, 610	585, 333	641, 656	664, 603
Stamps, postal cards, etc. <sup>1</sup>	202, 065	256, 037	379, 587	457, 309	483, 372	507, 572	552, 825	568, 512
Second-class postage paid in money (pound rates) <sup>2</sup>	8, 174	10, 408	25, 100	28, 546	29, 254	29, 619	31, 986	32, 684
Other postage paid in money under permit ..	4, 418	7, 527	12, 960	23, 486	32, 286	39, 301	47, 839	53, 503
Box rents .....	4, 139	4, 981	6, 145	7, 286	7, 552	7, 817	8, 078	8, 369
Miscellaneous .....	542	448	614	652	1, 147	1, 024	1, 229	1, 335
Money-order revenues .....	4, 700	7, 175	10, 314	10, 094	11, 249	12, 909	13, 715	16, 965
Revenue from postal savings ..		612	2, 430	5, 445	8, 069	1, 349	1, 446	1, 534

<sup>1</sup> For volume of this item, see Table 363

## No. 359.—POSTAL MONEY-ORDER BUSINESS

[NOTE.—For revenues from money orders, see Table 358. For value of orders issued for other years, see Table 357. Money orders are exchanged on a domestic basis not only within this country, but with its outlying possessions, Canada, Cuba, and numerous islands and minor countries neighboring the United States. International-basis orders are exchanged between the United States and its outlying possessions, on the one hand, and other than "domestic basis" foreign countries, on the other. In this table, however, "International" includes money orders exchanged between the United States and "domestic basis" foreign countries, and these are not included in "Domestic"]

Item	Year ended June 30—							
	1910	1915	1920	1922	1924	1925	1926	1927
Number of money-order offices ..	51, 791	55, 670	54, 395	54, 181	54, 195	54, 269	55, 589	54, 616
DOMESTIC <sup>1</sup>								
Orders issued:								
Number (1,000) .....	76, 918	106, 073	148, 491	172, 405	188, 552	197, 054	193, 410	194, 217
Amount (1,000 dollars) ..	547, 994	658, 139	1, 332, 700	1, 376, 461	1, 510, 705	1, 532, 567	1, 590, 486	1, 647, 880
Orders paid:								
Number (1,000) .....	76, 496	103, 684	147, 520	171, 694	187, 835	196, 036	193, 695	195, 041
Amount (1,000 dollars) ..	545, 632	652, 786	1, 333, 046	1, 371, 456	1, 505, 606	1, 531, 597	1, 590, 452	1, 647, 113
Excess of issues. <sup>2</sup>								
Number (1,000) .....	422	1, 190	971	511	717	1, 015	-285	-825
Amount (1,000 dollars) ..	2, 362	1, 353	-346	5, 006	5, 100	970	34	466
INTERNATIONAL <sup>3,4</sup>								
Orders issued:								
Number (1,000) .....	4, 500	3, 065	1, 852	1, 880	2, 709	2, 966	3, 323	3, 734
Amount (1,000 dollars) ..	99, 743	60, 772	32, 900	34, 119	50, 615	52, 660	63, 172	68, 952
Orders paid:								
Number (1,000) .....	1, 956	2, 217	1, 508	1, 731	1, 838	1, 765	2, 026	1, 955
Amount (1,000 dollars) ..	27, 244	24, 743	25, 362	19, 255	21, 453	19, 765	22, 983	23, 886
Excess of issues <sup>2</sup>								
Number (1,000) .....	2, 544	837	344	149	871	1, 201	1, 297	1, 779
Amount (1,000 dollars) ..	72, 499	36, 029	7, 538	14, 864	29, 162	32, 896	40, 188	45, 066
FOREIGN "DOMESTIC BASIS" <sup>4</sup>								
Paid in foreign countries:								
Number (1,000) .....	667	655	601	679	800	938	965	990
Amount (1,000 dollars) ..	10, 184	9, 110	9, 568	11, 630	16, 367	16, 920	20, 019	19, 718
Paid in the United States:								
Number (1,000) .....	1, 568	1, 936	1, 246	1, 481	1, 603	1, 498	1, 691	1, 574
Amount (1,000 dollars) ..	17, 766	18, 386	17, 916	14, 780	15, 910	15, 118	17, 472	17, 723

<sup>1</sup> Domestic money orders first issued Nov. 1, 1864, under act of Congress approved May 17, 1864.<sup>2</sup> Minus sign indicates excess of payments.<sup>3</sup> Includes foreign countries on "domestic basis."<sup>4</sup> International money orders first issued Sept. 1, 1869, under Postal Conventions of Oct. 12, 1867.<sup>5</sup> Included under "International" above.

Sources of Tables 358 and 359: Annual Reports of the Postmaster General.

**No. 360.—EXPENDITURES, UNITED STATES POSTAL SERVICE**

[NOTE.—For total expenditures see Table 357. Figures represent expenditures during the specified fiscal year ended June 30, whether on account of that fiscal year or of previous fiscal years]

[All figures in thousands of dollars]

Item	1910	1915	1920	1923	1924	1925	1926	1927
Service in post offices (total).....	107,771	139,937	234,102	288,248	304,764	338,046	371,127	392,141
Salaries of postmasters.....	27,514	30,400	40,108	44,160	45,434	47,562	49,807	50,741
Salaries of clerks, etc.....	28,045	53,317	102,319	126,751	135,244	153,336	172,323	182,778
City delivery service.....	31,805	42,668	63,626	79,263	84,285	96,161	107,134	114,795
All other expenditures.....	10,405	13,552	28,049	38,074	39,801	41,987	41,864	43,827
Railway Mail Service.....	19,389	28,408	38,711	48,027	48,901	52,908	55,235	58,051
Rural Delivery Service.....	37,074	49,906	75,794	84,036	84,105	95,153	101,690	104,445
Transportation of domestic mail.....	61,940	76,914	99,520	125,069	136,005	142,141	139,428	145,400
By railroads.....	49,405	59,576	70,714	86,315	99,008	99,720	95,320	99,360
By other means.....	12,535	17,338	28,805	38,773	38,998	42,421	44,108	46,060
Transportation foreign mail.....	3,204	3,273	5,912	8,375	8,063	9,175	7,385	10,594
Payment account of invalid money orders.....	600	206	234	98	139	138	136	127
Post Office Department <sup>1</sup> .....				2,978	3,430	3,712	3,701	3,880

<sup>1</sup> Paid out of the General Treasury prior to 1923.

**No. 361.—TRANSPORTATION OF DOMESTIC MAILS**

[NOTE.—Amounts, except where units are indicated, in thousands of dollars. Since Nov 1, 1916, all service on steam railroads is authorized and paid for under the space basis system; prior to that time payments were based on a system of quadrennial weightings. Railway mail space units of service vary in size and character and may consist of a car, a section of a car, or a closed pouch carried on a car. Some cars are railway post offices, and others are for storage only, over 20 classes of units being distinguished. The "equated unit" represents a calculation of the equivalent of all the different units in terms of a 60-foot car. Annual rate of expenditure (regular authorizations) represents the estimated cost for transporting normal mail traffic over regular routes only, based on contracts outstanding at the end of each fiscal year. "Annual cost" includes emergency and side and transfer service. Average rates are computed on the basis of "regular authorizations"]

Class of service and item	Year ended June 30, or as of June 30 of year specified						
	1910	1915	1920	1924	1925	1926	1927
<b>Steam railway service:</b>							
Length of routes (miles).....	230,730	233,676	235,000	231,021	230,470	229,281	229,000
Annual travel (thousand miles)—							
Regular space units.....	1,426,923	1,499,011	561,827	586,061	579,256	575,732	575,120
Prorated to 60-foot car basis.....			218,349	228,239	226,896	227,408	229,944
Annual expenditure—							
Regular authorizations.....	58,149	58,149	83,731	89,644	88,991	89,135	89,811
Annual cost.....			89,661	98,326	107,491	106,656	106,920
Average rate of cost—							
Per mile of length (dollars).....	223.36	248.84	360.35	425.11	386.12	388.75	472.11
Per unit mile traveled (cents).....	111.55	111.65	15.30	15.29	15.29	15.48	15.61
Per 60-foot car mile (cents).....			38.34	39.28	39.31	39.20	39.13
Railway mail employees—							
Number of employees.....	16,796	19,599	20,407	21,446	20,693	20,411	20,530
Expenditure for salary.....	19,047	21,205	35,644	45,245	48,913	51,508	52,904
<b>Electric railway service:</b>							
Number of routes.....	539	569	543	313	268	279	262
Length of routes (miles).....	7,196	8,183	8,043	7,799	7,641	8,206	8,029
Annual travel of space units (thousand miles).....	11,630	13,948	11,752	10,976	10,487	10,327	10,510
Annual rate of expenditure.....	674	819	471	584	586	665	662
Average cost per unit mile traveled (cents).....	5.79	5.87	4.01	5.31	5.39	6.43	6.29
<b>Power boat service:</b>							
Number of routes.....	217	260	266	285	284	276	275
Length of routes (miles).....	27,256	22,402	34,642	37,799	49,791	46,871	45,625
Annual travel (thousand miles).....	4,826	5,685	3,992	5,338	5,298	5,591	4,908
Annual rate of expenditure.....	706	990	1,773	1,443	1,492	1,423	1,318
Average cost per mile traveled (cents).....	14.61	17.42	19.36	27.03	28.16	25.44	26.84
<b>Air mail service:</b>							
Mileage scheduled (thousands).....	18	654	1,629	1,590	2,160	2,405	2,483
Miles traveled with mail (thousands).....	16	549	1,538	1,523	2,077	2,256	2,330
Letters carried (thousands).....	713	21,083	48,989	60,001	9,301	14,146	22,385
Cost of service.....	14	1,264	1,418	1,499	2,744	2,782	2,256

<sup>1</sup> Annual travel in thousands of miles and average cost per mile traveled. Space basis was not in force.

<sup>2</sup> Exclusive of freight and express service to Alaska or New York Harbor service.

<sup>3</sup> Only specially paid air mail was carried during 1925, 1926, and 1927.

Sources of Tables 360 and 361: Annual Reports of the Postmaster General.

No. 362.—CITY AND RURAL FREE DELIVERY AND STAR ROUTE SERVICE

[NOTE.—Free city delivery was inaugurated in 1863; rural free delivery in 1897. Star routes are mail routes between towns which are let on a contract basis. Data in all cases relate to contracts or organization at June 30 and do not represent actual mileage traveled or expenditure during previous fiscal year. In addition there is star route service in Alaska, data for 1927 being as follows: Number of routes, 58; length, 8,200 miles; annual travel, 216, 176 miles; annual rate of expenditure, \$133, 013]

As of June 30—	City free delivery			Rural free delivery				Star routes	
	Number of offices	Number of carriers	Annual cost	Number of routes	Length of routes	Annual travel	Annual cost	Number of routes	Annual cost
			1,000 dollars		Miles	1,000 miles	1,000 dollars		1,000 dollars
1870.....	51	1, 362	1, 230	-----	-----	-----	-----	7, 295	5, 050
1880.....	104	2, 628	2, 364	-----	-----	-----	-----	9, 863	7, 321
1885.....	178	4, 358	3, 986	-----	-----	-----	-----	12, 371	5, 415
1890.....	454	9, 066	7, 976	-----	-----	-----	-----	15, 887	5, 321
1895.....	604	12, 714	12, 136	-----	-----	-----	-----	20, 733	5, 754
1900.....	796	15, 322	14, 512	1, 259	28, 685	-----	420	22, 834	5, 088
1905.....	1, 144	21, 778	20, 919	32, 110	721, 237	-----	20, 865	17, 199	7, 342
1910.....	1, 492	28, 715	31, 684	41, 079	993, 068	303, 007	36, 915	13, 425	6, 928
1912.....	1, 621	29, 962	34, 153	42, 199	1, 021, 492	310, 906	41, 859	12, 668	6, 815
1913.....	1, 675	30, 923	36, 601	42, 805	1, 038, 076	315, 781	45, 643	12, 432	6, 965
1914.....	1, 759	32, 292	40, 399	43, 652	1, 060, 679	322, 432	47, 377	11, 970	8, 001
1915.....	1, 808	32, 902	42, 458	43, 866	1, 067, 674	325, 305	52, 566	11, 557	8, 713
1916.....	1, 864	34, 114	43, 137	42, 927	1, 083, 070	326, 435	51, 952	11, 391	8, 466
1917.....	1, 948	34, 592	48, 048	43, 464	1, 112, 556	336, 303	52, 420	11, 208	8, 383
1918.....	1, 992	34, 593	49, 995	43, 453	1, 127, 110	344, 100	52, 196	10, 958	8, 606
1919.....	2, 018	35, 024	59, 527	43, 210	1, 143, 467	346, 066	65, 448	10, 773	10, 055
1920.....	2, 086	36, 142	74, 933	43, 445	1, 151, 832	348, 627	75, 562	10, 739	11, 106
1921.....	2, 161	38, 532	87, 830	43, 672	1, 163, 896	352, 533	83, 034	10, 664	12, 390
1922.....	2, 229	39, 485	89, 908	44, 186	1, 180, 448	357, 254	84, 430	10, 715	12, 641
1923.....	2, 277	40, 134	93, 804	44, 439	1, 190, 534	360, 256	86, 172	10, 802	12, 610
1924.....	2, 325	43, 829	97, 892	44, 760	1, 205, 714	363, 670	86, 765	10, 802	12, 735
1925.....	2, 401	46, 251	110, 357	45, 189	1, 227, 654	370, 273	102, 945	10, 906	12, 774
1926.....	2, 522	48, 238	126, 219	45, 818	1, 249, 978	377, 046	104, 117	10, 991	12, 955
1927.....	2, 812	50, 117	132, 005	44, 730	1, 270, 746	383, 851	104, 447	11, 215	12, 996

No. 363.—POSTAL SERVICE: VOLUME OF CERTAIN ITEMS OF BUSINESS

[NOTE.—For sales of postage stamps and other stamped paper and postage collected on second-class matter see Table 358]

	Year ended June 30—						
	1910	1915	1920	1924	1925	1926	1927
Transactions in stamped paper:							
Ordinary postage stamps issued (millions).....	9, 067	11, 226	13, 213	15, 954	17, 387	16, 333	16, 000
Stamped envelopes and wrappers issued (millions).....	1, 507	1, 794	2, 350	2, 964	2, 997	3, 002	3, 146
Postal cards issued (millions).....	726	976	986	1, 293	1, 497	1, 668	1, 834
Pieces of mail carried <sup>1</sup> (millions).....	14, 850	-----	-----	24, 358	25, 835	25, 484	26, 687
Second-class matter carried:							
Free in country (1,000 pounds)....	55, 639	62, 142	61, 528	67, 682	69, 195	72, 660	74, 565
Paid at pound rates (1,000 pounds).....	817, 773	1, 047, 144	1, 307, 227	1, 328, 835	1, 348, 297	1, 420, 576	1, 473, 637
Foreign mails dispatched by sea:							
Letters (1,000 pounds).....	<sup>2</sup> 3, 142	3, 401	4, 608	5, 641	5, 640	5, 630	6, 131
Other articles (1,000 pounds).....	<sup>2</sup> 17, 832	22, 848	66, 725	72, 163	66, 229	64, 316	70, 731
Mail registered:							
Domestic, paid (1,000 pieces).....	33, 682	27, 688	56, 951	69, 957	70, 512	63, 867	65, 252
Foreign, paid (1,000 pieces).....	4, 782	4, 325	11, 300	13, 232	10, 993	10, 134	9, 334
Official, free (1,000 pieces).....	3, 589	5, 297	8, 663	7, 950	8, 414	8, 357	7, 943
Registry fees (1,000 dollars).....	3, 594	3, 201	6, 825	8, 374	8, 850	10, 947	11, 245
Mail insured:							
Domestic, parcel post (1,000 pieces).....	-----	18, 012	95, 385	148, 251	152, 078	137, 686	133, 210
International, <sup>3</sup> (1,000 pieces).....	-----	-----	-----	465	603	670	647
Total fees paid (1,000 dollars).....	-----	941	5, 416	7, 482	8, 061	9, 689	9, 316
Mail sent C. O. D.:							
Total pieces sent (1,000).....	-----	4, 721	20, 098	46, 900	52, 362	51, 157	49, 897
Total fees (1,000 dollars).....	-----	472	2, 070	4, 734	5, 562	6, 459	6, 312

<sup>1</sup> Estimates for continental United States. No estimates made in 1915 and 1920.  
<sup>2</sup> Excluding mails carried by domestic contract steamers, or steamers subsidized by foreign countries.  
<sup>3</sup> International insurance service began Jan. 1, 1923, and was in operation with Canada only in 1923 and 1924.  
Source of Tables 362 and 363: Annual Reports of the Postmaster General.

**No. 364.—GROSS RECEIPTS, COST OF CITY DELIVERY SERVICE AND OF CLERK HIRE AT THE LARGER POST OFFICES: YEARS ENDED JUNE 30**

Post office	Gross receipts (1,000 dollars)				Cost of city delivery, 1927		Cost of clerk hire, 1927	
	1924	1925	1926	1927	Amount (1,000 dollars)	Per cent to receipts	Amount (1,000 dollars)	Per cent to receipts
<b>Total (55 post offices) . . .</b>	<b>313, 091</b>	<b>332, 746</b>	<b>366, 192</b>	<b>380, 828</b>	<b>69, 965</b>	<b>18. 37</b>	<b>97, 206</b>	<b>25. 53</b>
New York, N. Y. . . . .	61, 722	65, 523	71, 984	74, 449	9, 794	13. 15	22, 784	30. 60
Chicago, Ill. . . . .	52, 371	56, 359	60, 655	61, 895	8, 076	13. 05	14, 671	23. 70
Philadelphia, Pa. . . . .	16, 707	17, 777	20, 145	20, 432	4, 180	20. 46	4, 933	24. 14
Boston, Mass. . . . .	13, 986	14, 769	16, 139	17, 164	4, 800	27. 96	5, 591	32. 57
St. Louis, Mo. . . . .	11, 474	12, 099	12, 726	13, 659	2, 209	16. 18	3, 168	23. 19
Kansas City, Mo. . . . .	8, 731	9, 424	10, 922	11, 067	1, 171	10. 58	1, 851	16. 72
Detroit, Mich. . . . .	7, 840	8, 467	10, 040	10, 782	2, 689	24. 94	2, 998	27. 81
Cleveland, Ohio. . . . .	7, 734	8, 055	9, 196	9, 604	2, 071	21. 57	2, 116	22. 03
Los Angeles, Calif. . . . .	7, 593	8, 065	8, 469	9, 553	2, 304	24. 12	2, 403	25. 16
Brooklyn, N. Y. . . . .	7, 158	7, 412	8, 284	8, 967	3, 785	42. 21	2, 914	32. 50
San Francisco, Calif. . . . .	7, 183	7, 763	8, 395	8, 766	1, 433	16. 34	2, 242	25. 57
Pittsburgh, Pa. . . . .	6, 700	6, 826	7, 397	7, 702	1, 772	23. 00	1, 805	23. 43
Cincinnati, Ohio. . . . .	5, 900	6, 710	7, 503	7, 613	1, 254	16. 47	1, 637	21. 50
Baltimore, Md. . . . .	5, 162	5, 427	6, 730	6, 972	1, 641	23. 53	1, 862	26. 70
Minneapolis, Minn. . . . .	6, 116	6, 133	6, 498	6, 214	1, 158	18. 64	1, 339	21. 54
Washington, D. C. . . . .	4, 519	4, 770	5, 314	5, 731	1, 257	21. 93	2, 219	38. 73
Milwaukee, Wis. . . . .	4, 420	4, 712	5, 182	5, 448	1, 057	19. 41	1, 002	18. 39
Buffalo, N. Y. . . . .	4, 410	4, 633	4, 903	4, 916	1, 413	28. 74	1, 253	25. 49
Indianapolis, Ind. . . . .	3, 946	4, 280	4, 689	4, 803	852	17. 73	1, 180	24. 57
St. Paul, Minn. . . . .	4, 013	4, 258	4, 589	4, 597	739	16. 09	890	19. 35
Atlanta, Ga. . . . .	3, 348	3, 470	3, 802	4, 456	567	12. 72	880	19. 76
Newark, N. J. . . . .	3, 185	3, 520	3, 861	4, 180	996	23. 84	896	21. 43
Dallas, Tex. . . . .	3, 046	3, 217	3, 653	3, 813	510	13. 39	764	20. 04
Denver, Colo. . . . .	3, 093	3, 281	3, 551	3, 686	703	19. 07	714	19. 38
Seattle, Wash. . . . .	2, 788	2, 998	3, 260	3, 415	807	23. 62	895	26. 22
Des Moines, Iowa. . . . .	2, 757	2, 875	3, 177	3, 284	341	10. 39	488	14. 85
Portland, Oreg. . . . .	2, 696	2, 776	3, 011	3, 097	730	23. 58	753	24. 33
Omaha, Nebr. . . . .	2, 832	2, 846	2, 992	3, 032	627	20. 68	767	25. 29
Columbus, Ohio. . . . .	2, 484	2, 641	2, 827	2, 991	541	18. 08	573	19. 17
Rochester, N. Y. . . . .	2, 583	2, 623	2, 861	2, 975	645	21. 68	723	24. 29
Louisville, Ky. . . . .	2, 532	2, 619	2, 839	2, 966	572	19. 28	718	24. 22
New Orleans, La. . . . .	2, 493	2, 651	2, 848	2, 794	623	22. 30	857	30. 68
Toledo, Ohio. . . . .	1, 993	2, 021	2, 306	2, 405	533	22. 16	509	21. 15
Dayton, Ohio. . . . .	1, 570	1, 863	2, 111	2, 321	319	13. 74	442	19. 04
Richmond, Va. . . . .	1, 826	1, 966	2, 183	2, 197	443	20. 16	556	25. 29
Hartford, Conn. . . . .	1, 657	1, 782	2, 032	2, 189	347	15. 85	467	21. 33
Memphis, Tenn. . . . .	1, 747	1, 880	2, 092	2, 128	438	20. 58	501	23. 54
Providence, R. I. . . . .	1, 798	1, 860	2, 010	2, 084	613	29. 41	538	25. 83
Oakland, Calif. . . . .	1, 245	1, 517	1, 809	1, 971	634	32. 18	519	26. 31
Houston, Tex. . . . .	1, 470	1, 579	1, 804	1, 933	353	18. 26	453	23. 45
Nashville, Tenn. . . . .	1, 575	1, 645	1, 786	1, 789	307	17. 18	454	25. 36
New Haven, Conn. . . . .	1, 405	1, 495	1, 580	1, 738	357	20. 56	432	24. 87
Albany, N. Y. . . . .	1, 303	1, 459	1, 600	1, 735	260	15. 01	319	18. 42
Syracuse, N. Y. . . . .	1, 461	1, 493	1, 661	1, 728	419	24. 24	410	23. 73
Birmingham, Ala. . . . .	1, 196	1, 319	1, 541	1, 697	359	21. 18	419	24. 71
Grand Rapids, Mich. . . . .	1, 321	1, 417	1, 592	1, 673	359	21. 43	289	17. 26
Akron, Ohio. . . . .	1, 207	1, 275	1, 528	1, 637	373	22. 81	364	22. 21
Oklahoma City, Okla. . . . .	1, 260	1, 371	1, 492	1, 608	232	14. 42	370	23. 04
Jersey City, N. J. . . . .	1, 196	1, 227	1, 326	1, 407	427	30. 36	367	26. 06
Salt Lake City, Utah. . . . .	1, 147	1, 257	1, 357	1, 373	332	24. 18	356	25. 96
Springfield, Mass. . . . .	1, 161	1, 204	1, 281	1, 317	341	25. 90	349	26. 53
Jacksonville, Fla. . . . .	817	962	1, 286	1, 275	268	21. 00	343	26. 88
Worcester, Mass. . . . .	1, 031	1, 067	1, 165	1, 262	349	27. 64	310	24. 56
Scranton, Pa. . . . .	1, 166	1, 070	1, 097	1, 189	331	27. 82	295	24. 83
Spokane, Wash. . . . .	1, 020	1, 033	1, 112	1, 149	255	22. 19	258	22. 46

Source: Reports of the Postmaster General.



## No. 365.—POSTAL SERVICE: BY STATES AND OUTLYING TERRITORIES AND POSSESSIONS

State or district	Num- ber of post offices, July 1, 1927	Mileage of rural free- delivery routes, June 30, 1927	Gross postal receipts <sup>1</sup>					
			1922	1923	1924	1925	1926	1927
			In thousands of dollars for years ended June 30					
<b>Grand total</b>	<b>50,906</b>	<b>1,270,746</b>	<b>470,306</b>	<b>516,908</b>	<b>552,966</b>	<b>584,765</b>	<b>640,932</b>	<b>662,669</b>
<b>United States proper</b>	<b>49,909</b>	<b>1,270,722</b>	<b>469,677</b>	<b>515,712</b>	<b>551,723</b>	<b>583,427</b>	<b>639,532</b>	<b>662,216</b>
<b>New England</b>	<b>2,861</b>	<b>41,268</b>	<b>35,729</b>	<b>39,139</b>	<b>41,411</b>	<b>43,498</b>	<b>47,346</b>	<b>48,088</b>
Maine	832	11,773	3,312	3,461	3,742	3,946	4,035	3,975
New Hampshire	361	6,006	1,739	1,862	2,010	2,036	2,239	2,292
Vermont	388	8,099	1,368	1,414	1,525	1,540	1,640	1,685
Massachusetts	653	7,634	20,637	22,922	23,878	25,064	27,193	28,536
Rhode Island	97	1,144	2,210	2,445	2,599	2,702	2,188	3,027
Connecticut	330	6,632	6,264	7,065	7,668	8,211	9,061	9,577
<b>Eastern</b>	<b>8,369</b>	<b>124,818</b>	<b>141,748</b>	<b>155,128</b>	<b>165,088</b>	<b>174,409</b>	<b>199,948</b>	<b>200,706</b>
New York	2,225	48,064	83,480	91,192	96,992	102,514	112,641	116,973
New Jersey	663	8,280	11,051	12,235	13,473	14,655	16,403	17,408
Pennsylvania	2,903	54,406	36,569	40,235	42,292	44,363	48,985	50,887
Delaware	96	2,867	794	869	954	999	1,086	1,145
Maryland	681	10,992	6,906	6,423	6,799	7,101	8,512	8,903
District of Columbia	1	189	2,648	4,155	4,519	4,771	6,315	6,731
<b>Southern</b>	<b>18,450</b>	<b>267,426</b>	<b>64,506</b>	<b>66,313</b>	<b>75,185</b>	<b>78,523</b>	<b>87,871</b>	<b>82,262</b>
Virginia	2,210	27,603	6,123	6,453	6,953	7,236	7,610	7,941
West Virginia	1,894	10,821	3,637	3,913	4,280	4,395	4,639	4,630
North Carolina	1,495	37,822	4,664	5,064	5,640	5,814	6,272	6,454
South Carolina	666	24,184	2,250	2,287	2,522	2,680	2,669	2,626
Georgia	1,087	49,161	6,369	7,053	7,529	7,734	8,263	9,010
Florida	846	11,143	3,789	4,028	4,625	5,492	6,405	7,187
Alabama	1,077	33,096	3,462	3,765	4,213	4,385	4,839	4,944
Mississippi	906	29,623	2,364	2,442	2,751	2,801	3,065	3,119
Louisiana	977	10,597	4,296	4,524	4,873	5,055	5,438	5,412
Texas	2,261	66,017	13,511	14,713	15,232	16,117	17,866	19,117
Arkansas	1,395	21,269	2,991	3,273	3,454	3,585	3,838	3,868
Kentucky	2,646	24,062	5,247	5,524	6,202	6,283	6,723	7,018
Tennessee	991	41,815	5,806	6,284	6,853	7,107	7,724	7,835
<b>Middle Western</b>	<b>10,717</b>	<b>463,406</b>	<b>162,811</b>	<b>181,361</b>	<b>194,171</b>	<b>206,710</b>	<b>226,522</b>	<b>232,810</b>
Ohio	1,556	65,345	27,052	30,053	32,499	35,417	39,051	40,576
Indiana	1,056	50,593	10,945	11,990	13,099	13,774	14,978	15,554
Illinois	1,617	71,379	55,236	62,312	66,061	70,753	76,423	78,227
Michigan	1,192	51,464	14,410	16,177	17,784	18,978	21,616	22,920
Wisconsin	1,061	47,376	10,619	11,441	12,331	13,002	14,480	14,789
Minnesota	1,265	50,818	13,067	14,576	15,342	15,836	16,923	16,844
Iowa	1,235	61,925	9,991	10,712	11,334	11,730	12,712	13,116
Missouri	1,705	58,506	21,482	24,121	25,721	27,230	29,652	30,785
<b>Western</b>	<b>6,833</b>	<b>205,684</b>	<b>29,646</b>	<b>31,258</b>	<b>32,783</b>	<b>34,376</b>	<b>36,550</b>	<b>37,484</b>
North Dakota	690	26,659	2,064	2,112	2,179	2,300	2,534	2,582
South Dakota	642	22,876	2,097	2,261	2,391	2,539	2,736	2,775
Nebraska	806	24,779	5,867	6,166	6,470	6,663	6,932	7,101
Kansas	1,042	37,402	6,067	6,300	6,694	7,017	7,372	7,591
Montana	647	6,315	2,010	2,085	2,112	2,180	2,234	2,303
Wyoming	394	1,119	799	873	950	953	974	983
Colorado	760	14,173	4,961	5,352	5,582	5,878	6,222	6,425
New Mexico	553	2,442	824	833	890	900	948	991
Oklahoma	1,099	39,929	4,968	5,274	5,515	5,890	6,397	6,733
<b>Pacific</b>	<b>4,592</b>	<b>48,095</b>	<b>35,234</b>	<b>39,495</b>	<b>43,193</b>	<b>46,905</b>	<b>49,481</b>	<b>52,741</b>
Washington	910	12,653	6,096	6,655	7,180	7,494	8,011	8,368
Oregon	751	8,514	3,875	4,209	4,688	4,806	5,172	5,337
California	1,567	17,695	21,017	24,002	26,476	28,509	30,911	33,477
Idaho	496	6,257	1,209	1,255	1,318	1,324	1,397	1,451
Utah	355	1,595	1,736	1,911	2,042	2,119	2,304	2,312
Nevada	175	130	405	410	442	451	479	508
Arizona	308	1,251	893	994	1,090	1,157	1,216	1,286
<b>Outlying offices</b>	<b>107</b>	<b>18</b>	<b>1,229</b>	<b>1,195</b>	<b>1,263</b>	<b>1,328</b>	<b>1,400</b>	<b>1,453</b>
Alaska	170	—	129	60	65	71	78	81
Guam	1	—	3	3	—	2	2	2
Hawaii	94	18	461	477	533	611	634	645
Porto Rico	93	—	472	471	520	522	537	537
Samoa (U. S. A.)	1	—	2	2	2	2	2	(1)
Virgin Islands	5	—	18	12	12	11	12	12
French Agency	—	—	21	105	130	109	136	176

<sup>1</sup> Receipts from money-order business, postal savings, and certain miscellaneous items not included.<sup>2</sup> Includes receipts from agencies in China and France.<sup>3</sup> Less than \$100.

Source: Annual Reports of the Postmaster General.

**No. 366.—MONEY ORDERS: BY STATES AND OUTLYING TERRITORIES AND POSSESSIONS**

[NOTE.—Amounts in thousands of dollars for years ended June 30. "Domestic basis" money orders include those to or from "domestic basis" foreign countries. For definition of "domestic basis" and international money orders see headnote, Table 350]

State or district	Domestic basis money orders				International money orders			
	Issued		Paid		Issued		Paid	
	1936	1937	1936	1937	1936	1937	1936	1937
<b>Grand total</b> .....	1,610,565	1,667,998	1,607,934	1,664,835	43,153	43,834	5,512	6,163
<b>United States proper</b> .....	1,598,039	1,655,449	1,601,259	1,656,250	42,640	43,694	5,489	6,146
<b>New England</b> .....	133,123	133,939	110,398	117,133	4,761	4,971	465	473
Maine.....	15,527	15,844	9,492	9,438	114	119	25	17
New Hampshire.....	9,651	9,772	4,800	5,080	90	102	10	9
Vermont.....	7,249	7,347	3,718	3,681	53	51	6	9
Massachusetts.....	67,449	71,049	69,709	76,005	2,964	3,070	269	279
Rhode Island.....	8,893	9,331	6,459	6,583	319	329	32	29
Connecticut.....	24,354	25,594	16,131	16,349	1,201	1,300	123	131
<b>Eastern</b> .....	399,161	426,657	433,591	464,736	16,728	22,979	2,181	2,498
New York.....	194,554	210,687	267,047	273,010	11,740	14,433	1,302	1,415
New Jersey.....	50,064	53,328	33,412	35,517	3,097	3,634	222	286
Pennsylvania.....	127,307	133,980	133,610	133,967	3,460	4,129	434	564
Delaware.....	3,066	3,064	1,333	1,372	46	65	7	9
Maryland.....	15,165	17,139	31,543	33,279	208	229	24	30
District of Columbia.....	8,005	8,479	15,575	17,591	178	200	103	127
<b>Southern</b> .....	332,420	335,297	196,187	212,420	1,967	1,989	543	561
Virginia.....	22,508	23,183	16,570	16,796	100	103	14	13
West Virginia.....	28,530	30,908	9,736	10,168	80	75	13	22
North Carolina.....	22,365	23,684	12,589	13,407	39	65	6	6
South Carolina.....	12,518	13,327	7,612	7,964	28	28	2	6
Georgia.....	22,927	26,938	23,157	32,214	51	51	7	6
Florida.....	54,155	43,730	17,292	20,522	406	304	28	37
Alabama.....	20,570	20,559	10,714	10,567	48	47	6	7
Mississippi.....	19,075	17,367	5,813	5,728	13	13	2	2
Louisiana.....	23,723	21,227	15,496	15,002	117	135	26	24
Texas.....	51,964	57,687	41,079	44,024	783	1,065	419	239
Arkansas.....	19,806	17,592	9,126	9,186	109	17	6	6
Kentucky.....	18,941	19,730	10,721	11,190	55	55	6	6
Tennessee.....	16,330	16,866	16,283	15,706	38	43	6	6
<b>Middle Western</b> .....	435,577	445,770	607,389	616,699	9,565	10,699	1,485	1,789
Ohio.....	80,480	81,461	87,307	95,668	1,432	1,523	183	211
Indiana.....	35,359	35,636	42,468	42,654	638	796	58	64
Illinois.....	97,898	102,433	261,035	251,278	3,097	4,238	744	946
Michigan.....	82,229	82,839	50,180	52,153	2,008	1,968	210	216
Wisconsin.....	44,065	45,440	26,816	28,367	714	852	82	107
Minnesota.....	33,361	35,264	46,781	47,650	442	448	83	98
Iowa.....	27,460	31,210	18,966	21,983	213	221	35	45
Missouri.....	34,727	34,466	73,537	76,144	421	453	89	100
<b>Western</b> .....	137,128	139,923	70,104	75,883	1,257	1,398	146	190
North Dakota.....	13,760	13,318	4,316	4,828	60	54	12	17
South Dakota.....	12,736	14,766	4,682	6,543	52	52	10	16
Nebraska.....	14,648	14,182	11,335	11,800	145	160	39	34
Kansas.....	18,155	18,472	9,790	10,399	223	267	18	19
Montana.....	17,294	16,544	7,200	6,906	232	204	14	21
Wyoming.....	8,437	8,135	2,346	2,282	106	102	7	16
Colorado.....	17,066	17,720	15,389	16,426	273	322	39	40
New Mexico.....	8,029	8,299	3,270	3,132	102	118	8	7
Oklahoma.....	27,063	28,368	11,776	13,655	64	124	8	19
<b>Pacific</b> .....	158,820	165,941	133,680	141,914	6,479	7,069	697	694
Washington.....	29,560	30,293	26,666	26,786	824	827	83	228
Oregon.....	16,953	16,631	13,925	17,404	397	428	30	38
California.....	82,826	88,751	73,300	79,794	4,516	5,002	500	540
Idaho.....	9,746	9,437	2,953	2,911	■	88	10	6
Utah.....	8,303	7,911	9,853	9,735	204	206	15	19
Nevada.....	3,995	3,695	1,257	1,350	101	106	2	3
Arizona.....	8,237	9,041	3,686	3,944	236	■	26	20
<b>Outlying offices</b> .....	14,476	13,849	6,665	6,586	518	640	29	31
Alaska.....	2,941	2,936	326	332	89	82	1	1
Guam.....	74	53	7	3	5	4	(1)	(1)
Hawaii.....	5,090	5,512	1,794	1,766	354	391	19	19
Porto Rico.....	5,296	4,858	4,472	4,418	11	22	2	2
Samoa (Tutuila).....	25	22	3	■	48	25	(1)	■
Virgin Islands.....	432	459	64	67	7	6	(1)	1

<sup>1</sup> Less than \$500.

Source: Annual Reports of the Postmaster General.



## 17. TELEPHONE, TELEGRAPH, AND CABLE SYSTEMS

[Data cover public telephone systems and land (wire) and wireless commercial telegraph systems operated in Continental United States and commercial cable systems operated by companies incorporated in United States]

### No. 367.—TELEPHONE SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES, REVENUE, AND INVESTMENT

[NOTE.—The more detailed data were collected only for companies reporting an annual income of \$5,000 or more previous to 1922 and \$10,000 or more in 1922]

	1902 <sup>1</sup>	1907	1912	1917	1922
<b>ALL SYSTEMS</b>					
Number of systems and lines.....	9, 136	22, 971	32, 233	53, 234	57, 253
Miles of wire.....	4, 900, 451	12, 999, 364	20, 243, 326	28, 537, 168	37, 265, 965
Number of telephones.....	2, 371, 044	6, 118, 578	8, 729, 592	11, 716, 520	14, 347, 396
Number of calls originating with systems reporting (thousands).....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	21, 845, 722	24, 647, 561
Number of employees.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	262, 639	312, 015
Salaries and wages.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	\$175, 670, 449	\$352, 925, 570
Revenue, operating and nonoperating.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	\$339, 499, 631	\$694, 923, 557
Investment in plant and equipment.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	\$1, 402, 329, 015	\$2, 205, 163, 160
<b>SYSTEMS REPORTING ANNUAL INCOME OF \$5,000 OR MORE, 1902-1917, AND THOSE REPORTING \$10,000 OR MORE, 1922</b>					
Number of systems and lines.....	4, 151	1, 636	1, 916	2, 200	1, 323
Miles of wire, total.....	4, 846, 466	11, 931, 960	19, 619, 391	27, 396, 036	34, 666, 923
Underground.....	( <sup>2</sup> )	( <sup>2</sup> )	9, 164, 968	14, 949, 180	21, 440, 471
Overhead.....	( <sup>2</sup> )	( <sup>2</sup> )	9, 854, 403	12, 446, 846	14, 062, 512
Exchange lines.....	( <sup>2</sup> )	( <sup>2</sup> )	16, 336, 175	23, 723, 114	30, 906, 656
Toll lines.....	( <sup>2</sup> )	( <sup>2</sup> )	3, 668, 216	3, 674, 912	4, 596, 325
Number of telephones.....	2, 315, 297	4, 906, 693	7, 326, 748	9, 953, 710	12, 206, 224
Number of central offices.....	10, 361	10, 613	11, 515	12, 294	10, 696
Number of private-branch exchanges.....	7, 833	28, 276	52, 651	80, 914	102, 622
Number of calls originating with systems reporting (thousands).....	<sup>3</sup> 5, 070, 555	10, 400, 424	13, 735, 656	19, 909, 081	31, 961, 367
Local exchange.....	<sup>3</sup> 4, 949, 850	10, 160, 631	13, 394, 885	19, 366, 111	31, 235, 400
Long distance or toll.....	<sup>3</sup> 120, 705	239, 793	340, 773	442, 950	665, 927
Salaried employees:					
Number.....	14, 124	22, 819	38, 753	44, 705	57, 764
Salaries.....	\$9, 835, 886	\$18, 542, 619	\$32, 081, 482	\$46, 566, 869	\$94, 006, 223
Wage earners, total:					
Number.....	64, 628	108, 831	144, 608	199, 785	223, 569
Wages.....	\$26, 369, 735	\$46, 466, 720	\$63, 359, 059	\$123, 086, 197	\$247, 531, 580
Operators					
Number.....	39, 858	72, 518	96, 332	136, 971	159, 566
Male.....	2, 535	2, 457	1, 972	1, 679	623
Female.....	37, 323	70, 061	94, 360	137, 292	158, 936
Wages.....	\$10, 766, 096	\$32, 636, 671	\$32, 474, 098	\$66, 137, 070	\$138, 697, 343
<b>BELL SYSTEM (INCLUDED ABOVE)</b>					
Miles of wire.....	3, 387, 924	8, 947, 266	15, 133, 186	23, 133, 718	30, 613, 667
Number of telephones.....	1, 317, 178	3, 132, 063	5, 087, 027	7, 326, 658	9, 514, 813
Number of originating calls (thousands).....	3, 074, 530	6, 401, 045	9, 133, 227	14, 597, 569	16, 566, 556
<b>SYSTEMS REPORTING ANNUAL INCOME OF LESS THAN \$5,000, 1902-1917, AND LESS THAN \$10,000, 1922</b>					
Miles of wire.....	49, 965	1, 077, 404	1, 228, 935	1, 529, 162	1, 762, 975
Number of telephones.....	55, 747	1, 211, 885	1, 402, 844	1, 762, 810	2, 062, 161
Number of originating calls (thousands).....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2, 036, 661	2, 746, 174

<sup>1</sup>Statistics for 1902 not strictly comparable with those for later years, except miles of wire and number of telephones.

<sup>2</sup>Not reported except for the larger systems and lines.

<sup>3</sup>Comparable data not available.

<sup>4</sup>Number shown for all systems and lines.

Source: Bureau of the Census, Department of Commerce.

No. 368.—TELEPHONE SYSTEMS: MILES OF WIRE, NUMBER OF TELEPHONES, AND NUMBER OF ORIGINATING CALLS, ALL SYSTEMS AND LINES, BY STATES

Division and State	Miles of wire		Number of telephones			Telephones per 1,000 population			Number of originating calls (millions)	
	1912	1913	1902	1912	1913	1902	1912	1913	1912 <sup>1</sup>	1913
<b>United States</b>	<b>90,948,326</b>	<b>97,965,958</b>	<b>2,371,044</b>	<b>8,722,592</b>	<b>14,847,395</b>	<b>20</b>	<b>92</b>	<b>130</b>	<b>13,730</b>	<b>24,642</b>
<b>New England</b>	<b>1,545,352</b>	<b>3,346,608</b>	<b>165,187</b>	<b>636,488</b>	<b>1,323,497</b>	<b>89</b>	<b>93</b>	<b>160</b>	<b>811</b>	<b>1,909</b>
Maine	141,087	210,707	14,070	68,914	113,725	20	92	147	84	184
New Hampshire	78,917	134,320	9,949	40,017	68,874	24	92	154	50	104
Vermont	64,756	78,991	12,151	40,142	54,530	35	112	155	49	83
Massachusetts	862,426	1,908,091	96,512	329,992	687,700	33	96	172	402	1,100
Rhode Island	102,906	213,713	35,485	41,604	92,766	24	75	149	48	123
Connecticut	306,560	800,780	35,485	104,759	205,902	24	89	141	178	313
<b>Middle Atlantic</b>	<b>5,035,019</b>	<b>10,818,590</b>	<b>485,064</b>	<b>1,782,145</b>	<b>3,249,710</b>	<b>80</b>	<b>89</b>	<b>140</b>	<b>2,422</b>	<b>4,289</b>
New York	2,700,060	6,121,096	247,340	970,449	1,780,503	32	108	165	1,208	2,728
New Jersey	644,984	1,523,354	48,980	185,632	383,496	24	69	115	102	473
Pennsylvania	1,689,975	3,173,530	186,734	626,064	1,085,651	28	79	120	933	1,625
<b>East North Central</b>	<b>4,645,318</b>	<b>8,763,146</b>	<b>740,059</b>	<b>2,378,237</b>	<b>3,692,191</b>	<b>45</b>	<b>125</b>	<b>184</b>	<b>4,086</b>	<b>8,077</b>
Ohio	1,161,032	2,415,187	224,063	631,200	942,837	52	128	169	1,301	1,855
Indiana	607,839	1,058,314	136,561	354,550	508,726	53	120	170	564	950
Illinois	1,689,074	3,060,595	221,008	807,233	1,283,449	44	138	190	1,106	2,018
Michigan	728,184	1,390,945	85,415	335,074	508,140	38	111	129	694	856
Wisconsin	399,080	838,105	62,992	250,174	429,949	30	104	138	341	689
<b>West North Central</b>	<b>2,982,578</b>	<b>4,487,007</b>	<b>399,545</b>	<b>1,621,523</b>	<b>2,315,996</b>	<b>38</b>	<b>127</b>	<b>181</b>	<b>2,239</b>	<b>4,083</b>
Minnesota	663,479	1,147,276	63,192	272,350	424,777	35	127	171	419	804
Iowa	504,101	757,600	138,400	390,294	533,347	62	106	217	471	808
Missouri	874,334	1,247,503	103,155	404,130	550,980	33	122	160	666	1,046
North Dakota	76,174	124,873	6,762	51,241	77,586	18	80	116	50	110
South Dakota	72,921	108,414	10,387	65,856	101,565	24	111	156	48	159
Nebraska	398,319	514,374	36,706	201,689	273,500	34	100	206	291	520
Kansas	357,250	586,968	41,193	243,932	354,251	27	144	196	304	636
<b>South Atlantic</b>	<b>1,121,469</b>	<b>2,448,837</b>	<b>146,765</b>	<b>531,402</b>	<b>937,394</b>	<b>14</b>	<b>42</b>	<b>64</b>	<b>369</b>	<b>1,518</b>
Delaware	49,632	93,891	15,842	23,534	23,534	22	77	103	27	41
Maryland	229,744	540,069	36,383	84,801	153,790	22	64	103	104	237
District of Columbia	126,279	314,636	46,603	102,231	102,231	14	131	217	47	121
Virginia	161,136	379,093	25,762	76,662	155,490	14	36	65	164	267
West Virginia	112,954	226,739	22,801	80,251	116,061	22	63	75	103	203
North Carolina	109,110	189,594	17,036	65,162	116,129	9	28	44	91	274
South Carolina	73,712	126,284	10,753	33,219	54,078	8	21	31	68	125
Georgia	209,591	390,382	25,761	90,436	136,334	11	36	46	207	372
Florida	54,300	178,149	6,260	32,426	79,657	14	40	77	58	173
<b>East South Central</b>	<b>977,894</b>	<b>1,248,659</b>	<b>112,851</b>	<b>337,292</b>	<b>621,120</b>	<b>16</b>	<b>40</b>	<b>66</b>	<b>662</b>	<b>1,274</b>
Kentucky	352,544	467,781	46,949	130,751	201,545	22	56	82	288	429
Tennessee	287,685	399,932	38,392	104,353	171,413	18	47	72	189	476
Alabama	152,849	229,234	14,170	56,262	84,401	7	26	35	101	219
Mississippi	184,616	150,912	15,340	45,896	63,761	10	26	36	84	147
<b>West South Central</b>	<b>1,312,553</b>	<b>2,148,789</b>	<b>114,939</b>	<b>543,102</b>	<b>872,157</b>	<b>16</b>	<b>60</b>	<b>82</b>	<b>1,080</b>	<b>1,965</b>
Arkansas	141,014	219,398	16,929	68,303	96,490	12	42	56	124	216
Louisiana	138,905	258,372	17,543	40,602	87,354	12	28	47	102	200
Oklahoma	211,175	424,005	15,732	110,217	222,889	16	67	104	169	462
Texas	821,459	1,249,014	64,336	311,980	462,424	20	77	94	690	1,025
<b>Mountain</b>	<b>658,450</b>	<b>927,662</b>	<b>46,067</b>	<b>226,659</b>	<b>385,730</b>	<b>26</b>	<b>51</b>	<b>109</b>	<b>435</b>	<b>656</b>
Montana	54,259	120,725	5,451	35,537	55,115	20	86	91	74	75
Idaho	24,205	105,027	3,886	29,454	48,745	20	84	105	46	88
Wyoming	20,368	56,223	7,258	9,946	24,949	18	63	119	17	42
Colorado	281,067	412,816	24,533	90,397	150,652	41	100	153	165	247
New Mexico	22,492	3,428	2,510	10,446	18,342	11	31	49	20	33
Arizona	18,621	55,518	4,264	11,224	24,353	23	48	65	12	31
Utah	112,726	129,183	7	34,084	53,201	(1)	87	113	63	104
Nevada	9,792	16,732	1,165	5,694	10,313	23	70	136	8	16
<b>Pacific</b>	<b>2,190,104</b>	<b>3,078,750</b>	<b>159,287</b>	<b>663,731</b>	<b>1,148,760</b>	<b>37</b>	<b>102</b>	<b>192</b>	<b>1,191</b>	<b>2,069</b>
Washington	487,079	533,515	61,447	150,010	236,275	46	120	167	265	449
Oregon	272,481	368,342	21,190	59,713	146,847	45	143	180	170	277
California	1,360,544	2,174,893	106,650	434,002	765,638	64	166	204	726	1,336

<sup>1</sup> Includes only systems reporting annual incomes of \$5,000 or more.<sup>2</sup> Includes Utah<sup>3</sup> Included with Wyoming

Source. Bureau of the Census, Department of Commerce.

**No. 369.—FINANCIAL STATISTICS OF TELEPHONE SYSTEMS, WITH ANNUAL INCOMES OF \$5,000 OR MORE IN 1917 AND \$10,000 OR MORE IN 1922**

[NOTE.—These systems represented 85 per cent of the total number of telephones in 1917 and 86 per cent in 1922. See Table 367]

	1917	1922		
		Total	Bell system	Other systems
Amounts in thousands of dollars				
INCOME ACCOUNT				
Operating revenue.....	363, 832	637, 469	546, 890	90, 649
Exchange.....	262, 699	447, 067	374, 718	72, 349
Toll.....	97, 250	180, 070	163, 098	16, 972
Miscellaneous.....	3, 883	10, 332	9, 004	1, 328
Operating expenses.....	253, 430	455, 154	388, 342	66, 812
Repairs and other maintenance.....	54, 746	95, 765	79, 818	15, 947
Traffic.....	82, 202	175, 143	152, 949	22, 196
Depreciation of plant and equipment.....	63, 313	93, 971	80, 081	13, 890
General and miscellaneous.....	53, 169	90, 275	75, 495	14, 781
Net telephone operating revenue.....	110, 402	182, 314	156, 478	23, 837
Net revenue from other operations.....	14	5	1	6
Deductions from net operating revenue.....	25, 798	50, 400	44, 297	6, 103
Uncollectible revenue.....	1, 649	3, 601	3, 082	520
Taxes.....	24, 149	46, 799	41, 215	5, 583
Operating income.....	84, 618	131, 920	114, 180	17, 739
Nonoperating income (chiefly dividends and interest) ..	7, 764	19, 350	18, 250	1, 100
Gross income.....	92, 382	150, 107	131, 389	18, 717
Deductions from gross income.....	32, 983	53, 443	44, 708	8, 676
Interest on funded debt.....	24, 294	40, 478	35, 675	4, 803
Other interest, rent, and miscellaneous.....	8, 689	12, 965	9, 032	3, 873
Net income.....	59, 399	96, 664	86, 681	10, 041
Dividends.....	42, 267	66, 035	60, 305	5, 730
Other appropriation from net income.....	3, 005	7, 831	7, 641	190
Balance carried to surplus.....	14, 127	22, 798	18, 677	4, 121
BALANCE SHEET				
Assets.....	1, 665, 121	2, 596, 396	2, 203, 464	391, 932
Plant and equipment.....	1, 435, 912	2, 129, 774	1, 783, 079	346, 695
Other property (nontelephone).....	5, 441	4, 772	3, 872	900
Stocks and bonds—				
Of telephone companies.....	23, 409	142, 149	137, 577	4, 572
Other.....	62, 226	4, 213	3, 295	918
All other.....	138, 133	314, 488	275, 641	38, 847
Liabilities.....	1, 665, 121	2, 596, 396	2, 203, 464	391, 932
Capital stock.....	665, 944	1, 001, 428	837, 007	164, 421
Cash investment of unincorporated lines.....	4, 947	3, 697		3, 697
Funded debt and mortgages.....	503, 559	737, 199	646, 033	91, 165
Reserves for depreciation.....	234, 379	459, 600	395, 297	64, 302
Other reserves.....	10, 927	21, 281	19, 571	1, 710
All other.....	96, 405	145, 886	97, 245	48, 640
Surplus.....	148, 960	220, 306	208, 310	17, 996
Average, in dollars or cents				
Average revenue from telephone operations:				
Per telephone (dollars).....	37. 52	53. 35	50. 35	33. 16
Per message (cents).....	1. 837	2. 911	3. 301	1. 699
Average operating expenses:				
Per telephone (dollars).....	26. 14	38. 09	42. 15	24. 44
Per message (cents).....	1. 279	2. 078	2. 344	1. 252
Average net income:				
Per telephone (dollars).....	6. 13	8. 09	9. 40	3. 67
Per message (cents).....	. 299	. 441	. 523	. 188

<sup>1</sup> Deficit.

<sup>2</sup> Excludes intercompany duplications within the Bell System.

<sup>3</sup> Exclusive of deficit to the amount of \$9,080,937 reported by companies having a deficit.

Source: Bureau of the Census, Department of Commerce.

**No. 370.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES (BELL TELEPHONE SYSTEM): NUMBER OF TELEPHONE STATIONS AND MILES OF WIRE**

Dec. 31—	Telephones <sup>1</sup>	Miles of wire	Dec. 31—	Telephones <sup>1</sup>	Miles of wire
1896	309,502	675,415	1918	10,992,325	23,281,150
1900	655,911	1,961,901	1919	11,795,747	24,162,999
1905	2,528,715	5,779,918	1920	12,601,935	25,377,404
1910	5,882,719	11,642,212	1921	13,380,219	27,819,821
1911	6,632,625	12,982,615	1922	14,060,565	30,616,522
1912	7,456,074	14,610,813	1923	15,000,101	34,323,842
1913	8,133,017	16,111,011	1924	15,906,550	39,893,619
1914	8,648,993	17,475,594	1925	16,720,224	45,473,540
1915	9,172,495	18,505,545	1926	17,574,252	50,961,150
1916	9,847,192	19,850,315	1927	18,305,486	56,822,895
1917	10,475,679	22,610,487			

<sup>1</sup> Bell-owned and Bell-connecting (owned by other companies).

**No. 371.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES (BELL TELEPHONE SYSTEM): COMPARATIVE STATISTICS**

	1910	1915	1920	1924	1926	1928	1927
Operating statistics and employees as of Dec. 31 (in thousands, except as indicated)							
Exchange messages, daily average	21,681	26,184	31,835	43,951	46,702	49,990	52,581
Toll messages, daily average	608	819	1,327	1,836	2,098	2,375	2,614
Central offices (number)	4,933	5,300	5,702	5,978	6,017	5,998	6,115
Miles of wire, total	11,642	18,506	25,377	39,894	45,474	50,961	56,823
Aerial wire	5,626	7,932	9,630	13,240	14,991	16,693	18,836
Underground wire	6,017	10,573	15,748	26,654	30,483	34,169	37,987
Exchange wire	9,678	16,062	21,604	34,813	39,841	44,544	49,279
Toll wire	1,964	2,453	3,773	5,081	5,633	6,297	7,544
Miles of phantom circuit	116	197	508	696	795	947	1,140
Telephone stations, total	5,883	9,172	12,602	15,907	16,720	17,574	18,365
Bell-owned <sup>1</sup>	3,933	5,908	8,334	11,242	12,035	12,816	13,726
Bell-connecting (owned by other companies)	1,950	3,264	4,268	4,664	4,685	4,758	4,639
Employees (number)	120,311	156,294	231,316	279,650	293,095	300,628	308,911
Income statement year ended Dec 31 (in thousands of dollars) <sup>2</sup>							
Gross revenues	165,613	239,910	461,135	677,903	761,219	844,546	918,587
Expenses	114,618	173,728	381,626	529,126	578,776	639,676	700,017
Net revenue	50,994	66,182	79,509	148,777	182,443	204,870	216,570
Interest	11,557	18,096	31,724	41,531	45,940	49,809	50,511
Net income	39,438	48,086	47,785	107,246	136,503	155,061	166,059
Dividends	25,161	32,897	40,000	82,603	93,243	100,614	112,401
Balance	14,277	15,189	7,785	24,643	43,260	54,417	<sup>3</sup> 53,658
Telephone plant, capital stock, and funded debt Dec 31 (in thousands of dollars) <sup>2</sup>							
Telephone plant	611,000	880,069	1,363,826	2,266,923	2,524,906	2,783,023	3,013,985
Capital stock	344,645	440,711	511,493	1,093,573	1,144,619	1,312,881	1,351,940
Funded debt	224,792	353,236	585,794	752,733	890,337	921,523	919,790

<sup>1</sup> Includes private line stations

<sup>2</sup> All duplications between companies excluded.

<sup>3</sup> Does not include special nonrecurring dividend of \$47,938,865 received from Western Electric Co. (Inc.)

Source of Tables 370 and 371 The American Telephone & Telegraph Co.



### No. 372.—TELEPHONE SYSTEMS: REPORTS TO INTERSTATE COMMERCE COMMISSION

[NOTE.—All telephone companies engaged in interstate business are required to report to the commission both as regards their interstate and their intrastate business. Prior to 1923 the classification of companies based on the amount of annual operating revenues was as follows: Class A, over \$250,000; Class B, \$50,000 to \$250,000; Class C, \$10,000 to \$50,000. Beginning with 1923 Class B includes companies with revenues from \$100,000 to \$250,000 and Class C those with revenues from \$50,000 to \$100,000. The smaller companies, designated as Class D, are not covered in the table. Blank spaces indicate that statistics are not available.]

Year ended Dec. 31	Miles of wire (thousands)	Number of company stations (thousands)	Operating revenues	Operating expenses	Operating income before deduction of taxes	Operating income after deduction of taxes	Investment	
							Plant and equipment	All other
All companies:								
1920	29,640		530,349			88,024	1,704,304	1,123,369
1921	35,475		634,134			133,505	2,019,726	1,223,639
1922	38,615		671,436	475,408		142,369	2,198,446	1,354,506
1923	44,066		729,826	513,779		156,713	2,501,828	1,491,939
1924	49,773	13,875	818,218	556,993	257,231	193,599	2,790,056	1,633,124
1925	56,021	14,812	907,564	608,150	294,925	219,508	3,101,797	1,744,637
Class A companies:								
1915		6,590	253,761	168,118	83,738	69,836		
1920	27,402	9,294	486,427	375,372	112,069	81,362	1,518,660	1,092,698
1921	33,344	10,481	591,147	418,162	169,923	125,643	1,864,230	1,219,799
1922	37,428	11,386	647,112	458,142	185,400	136,558	2,097,463	1,351,938
1923	42,874	12,217	705,281	496,185	204,491	150,925	2,399,772	1,490,130
1924	48,487	13,037	792,428	539,072	248,476	186,777	2,674,926	1,631,335
1925	54,436	13,906	879,028	588,609	284,877	211,651	2,972,758	1,741,906
1926		14,740	948,875	637,001	305,915	226,383		
Class B companies: 1926	954	559	18,735	12,542	6,202	4,715	71,101	1,980
Class C companies: 1926	631	347	9,801	6,999	3,846	3,142	57,638	662

<sup>1</sup> Includes "Service stations."

Source: Interstate Commerce Commission.

### No. 373.—WIRELESS TELEGRAPH SYSTEMS: SUMMARY OF STATISTICS

[NOTE.—1917 omitted owing to war conditions]

	1907	1913	1923
Number of companies or systems	5	4	4
Number of messages	164,617	1,265,091	2,365,109
Number of tower stations	117	74	37
Income, total	\$106,791	\$909,158	\$6,111,369
Expenses, total	\$100,289	\$964,490	\$6,111,674
General operation and maintenance, including salaries and wages and legal expenses	\$117,490	\$568,712	\$3,534,474
Interest and taxes	\$5,562	\$7,826	\$156,467
All other expenses	\$37,287	\$97,952	\$1,420,643
Net income		\$4,738	\$2,999,528
Deficit	\$63,538		
Balance sheet:			
Assets, total	\$33,948,397	\$10,377,197	\$42,494,909
Plant and equipment	\$317,614	\$1,205,770	\$34,716,814
Investment and marketable securities, long-term advances, and miscellaneous investments			\$1,225,169
Cash and current assets	\$32,196,456	\$9,171,427	\$7,437,830
Materials and supplies			\$5,882,877
Sundries			\$241,219
Deficit	\$444,827		
Liabilities, total	\$33,948,397	\$10,377,197	\$42,494,909
Capital stock	\$32,676,242	\$9,602,570	\$38,084,309
Funded and long-term debt			\$525,000
Floating debt	\$362,655	\$287,866	\$650,280
Accounts payable			\$3,254,556
Reserves (depreciation and other)			\$4,040,280
Interest, taxes, and rents, due and accrued, and sundries		\$312,777	\$1,172,680
Surplus		\$172,984	\$608,885
Number of employees	176	965	1,268
Salaries and wages	\$61,771	\$203,006	\$2,095,806

<sup>1</sup> Includes 5,013 land messages sent over a leased wire by a wireless company doing a land-telegraph business also.

<sup>2</sup> Includes sinking funds and stock and bond discounts.

Source: Bureau of the Census, Department of Commerce.

# No. 374.—SUMMARY OF TELEGRAPH AND CABLE SYSTEM REPORTS TO THE INTERSTATE COMMERCE COMMISSION

[All money figures in thousands of dollars]

	All companies						1926	
	1923	1923	1923	1924	1925	1926	Western Union Co.	Mackay companies
Miles of wire (in thousands)...	1,781	1,874	1,894	1,946	2,075	2,056	1,668	349
Investments:								
Plant and equipment.....	258,097	279,402	288,481	307,143	321,687	338,794	246,226	60,639
Other investments.....	21,275	19,907	27,001	27,565	28,191	27,017	26,236	746
Operating revenues.....	153,264	138,190	144,610	146,178	162,693	165,831	134,465	26,001
Operating ratio (per cent).....			81.11	81.94	81.64	82.81	80.73	92.79
Operating income.....	21,512	22,894	21,025	20,229	23,204	21,767	19,892	1,294
Net income.....	16,158	18,138	16,656	15,805	18,854	16,806	15,307	589
Dividends.....	11,471	13,960	9,309	9,386	9,066	10,750	7,981	-----

Source: Interstate Commerce Commission.

# No. 375.—FINANCIAL STATISTICS OF TELEGRAPH AND CABLE SYSTEMS

[NOTE.—Western Union figures, which constitute the largest item of the totals, do not segregate land telegraph from ocean-cable business and are shown as totals under land telegraphs. Consequently, data in these columns overstate and those under ocean cables understate the true amounts]

[All figures expressed in thousands of dollars]

	Land and ocean systems				Land systems		Ocean systems	
	1902	1912	1917	1922	1912	1922	1912	1922
<b>INCOME ACCOUNT</b>								
Income, total.....	40,930	64,763	109,703	151,858	56,293	130,539	8,470	21,319
Telegraph traffic.....	35,301	60,403	106,990	146,805	52,337	128,631	8,066	18,174
From other sources.....	5,629	4,360	2,713	5,053	3,956	1,908	404	3,145
Expenses, total.....	30,948	58,379	91,871	127,991	52,863	114,864	5,516	13,127
Operation and maintenance.....	24,456	46,780	74,935	113,140	42,772	102,011	4,008	11,129
Interest and taxes.....	2,539	3,955	7,982	10,195	2,741	8,713	1,214	1,482
All other.....	3,953	7,644	8,954	4,656	7,350	4,140	294	516
Net income.....	9,982	6,384	17,832	23,867	3,431	15,675	2,953	8,193
Dividends.....	6,257	6,180	9,817	10,716	3,140	7,143	3,040	3,573
<b>BALANCE SHEET</b>								
Assets.....	195,504	298,289	363,017	459,469	190,706	321,913	107,583	137,557
Plant and equipment.....	161,680	222,047	243,358	326,662	13,911	254,030	78,136	72,632
Securities and investments.....	25,940	33,934	56,035	78,839	17,123	31,875	16,811	46,964
Cash and current assets.....	7,884	42,308	63,624	53,969	29,672	36,008	12,636	17,961
Liabilities.....	195,504	298,289	363,017	459,469	190,706	321,913	107,583	137,556
Capital stock.....	117,053	163,646	167,260	177,204	108,156	104,466	55,490	72,738
Funded debt.....	45,893	62,741	61,828	71,394	34,741	67,394	28,000	4,000
Reserves.....	7,860	20,804	53,663	90,222	5,255	46,773	15,549	43,449
Other liabilities.....	6,619	35,248	45,484	50,133	33,201	40,430	2,047	9,702
Net surplus.....	18,079	15,850	34,782	70,517	9,353	62,849	6,497	7,668

<sup>1</sup>Includes charges for depreciation.

<sup>2</sup>Includes charges for depreciation; does not include payment for use of leased lines.

<sup>3</sup>Includes payment for use of leased lines.

<sup>4</sup>Total income less all expenses, including depreciation; for 1917 and 1922, does not include charges for sinking and other reserve funds.

<sup>5</sup>Not including land-line-system plant and equipment to the value of \$20,000,000 reported as cable-system plant and equipment for 1912 and 1917. (In statistics for preceding censuses an item of \$20,000,000 funded debt, offset by the same amount for plant and equipment, was carried against ocean-cable telegraphs. This debt being really a land-line-system debt and being so reported for 1922, is eliminated from the figures for ocean-cable system.)

<sup>6</sup>Includes land-line-system plant and equipment to the value of \$20,000,000 (see note 5).

<sup>7</sup>Includes sinking funds and stock and bond discount.

<sup>8</sup>Includes sinking and other special funds.

<sup>9</sup>Not including land-line-system funded debt to the amount of \$20,000,000 reported as cable-system indebtedness in 1912 (see note 6).

<sup>10</sup>Includes land-line-system indebtedness to the amount of \$20,000,000 (see note 5).

Source: Bureau of the Census, Department of Commerce.

**No. 376.—EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES, AND WAGES OF TELEGRAPH AND CABLE SYSTEMS**

[NOTE.—The land business and the ocean business of the Western Union Telegraph Co. are segregated in this table for 1922 only. The total (estimated) number of messages on land systems was in 1902, 90,834,799; 1912, 103,536,418. Messages on ocean systems in 1902, 820,498; 1912, 5,841,280]

	Land and ocean combined			Land		Ocean	
	1902	1912	1922	1912	1922	1912	1922
Miles of pole line <sup>1</sup> .....	237, 990	247, 528	252, 991	247, 528	252, 991		
Miles of single wire (total) <sup>2</sup> .....	1, 313, 360	1, 814, 196	1, 853, 250	1, 814, 196	1, 845, 237	( <sup>3</sup> )	8, 013
Aerial.....	( <sup>3</sup> )	( <sup>3</sup> )	1, 718, 251	( <sup>3</sup> )	1, 714, 211	( <sup>3</sup> )	4, 040
Underground.....	( <sup>3</sup> )	( <sup>3</sup> )	131, 448	( <sup>3</sup> )	127, 475	( <sup>3</sup> )	3, 973
Submarine.....	( <sup>3</sup> )	( <sup>3</sup> )	3, 551	( <sup>3</sup> )	3, 551		
Nautical miles of ocean cable.....	16, 677	67, 676	76, 711			67, 676	76, 711
Number of offices.....	27, 377	30, 864	27, 354	30, 781	27, 214	83	140
Operated jointly with railway companies.....	( <sup>3</sup> )	26, 247	21, 906	26, 247	21, 906		
Number of telegrams, total.....	91, 655, 287	109, 377, 698	191, 121, 333	108, 532, 530	181, 513, 774	2, 845, 168	9, 602, 559
Governmental.....	( <sup>3</sup> )	( <sup>3</sup> )	3, 198, 724	( <sup>3</sup> )	3, 129, 770	( <sup>3</sup> )	68, 954
Full commercial rate.....	( <sup>3</sup> )	( <sup>3</sup> )	175, 847, 129	( <sup>3</sup> )	166, 730, 190	( <sup>3</sup> )	9, 116, 939
Contract rate and free.....	( <sup>3</sup> )	( <sup>3</sup> )	12, 075, 480	( <sup>3</sup> )	11, 658, 814	( <sup>3</sup> )	416, 666
Number of employees.....	27, 627	37, 295	68, 632	35, 639	62, 299	1, 656	6, 333
Salaries and wages.....	\$15, 039, 673	\$24, 964, 994	\$76, 161, 926	\$23, 797, 980	\$68, 736, 763	\$1, 167, 014	\$7, 425, 163

<sup>1</sup> Exclusive of pole line owned and operated wholly by railway companies.

<sup>2</sup> Exclusive of wire owned and operated wholly by railway companies, as follows: For 1912, 314,329 miles as reported by all railway companies; for 1922, 285,002 miles as reported by railway companies having annual operating revenues of \$1,000,000 or more. No data for 1902.

<sup>3</sup> Figures not available.

Source: Bureau of the Census, Department of Commerce.

**No. 377.—WESTERN UNION TELEGRAPH CO.: MILEAGE OF LINES AND WIRES, NUMBER OF OFFICES, AND FINANCES**

Year ended—	Miles of pole line and cable	Miles of wire	Number of offices	Receipts	Expenses	Net income
June 30—				<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1867.....	46, 270	85, 291	2, 565	6, 568, 925	3, 944, 006	2, 624, 920
1870.....	54, 109	112, 191	3, 972	7, 138, 738	4, 910, 772	2, 227, 966
1875.....	72, 833	179, 496	6, 565	9, 564, 575	6, 335, 415	3, 229, 158
1880.....	85, 645	233, 534	9, 077	12, 782, 895	6, 948, 957	5, 833, 938
1885.....	147, 500	462, 283	14, 184	17, 706, 834	12, 005, 910	5, 700, 924
1890.....	183, 917	678, 997	19, 382	22, 387, 029	15, 074, 304	7, 312, 725
1895.....	189, 714	802, 651	21, 360	22, 218, 019	16, 076, 630	6, 141, 389
1900.....	192, 705	933, 153	22, 900	24, 758, 570	18, 593, 206	6, 165, 364
1905.....	200, 224	1, 184, 557	23, 814	29, 033, 635	21, 845, 570	7, 188, 065
1910.....	214, 360	1, 429, 049	24, 825	33, 889, 202	26, 614, 302	7, 274, 900
1913.....	238, 033	1, 558, 181	26, 000	47, 423, 443	42, 959, 934	4, 463, 508
Dec. 31—						
1913.....	237, 807	1, 562, 170	25, 060	46, 899, 267	42, 327, 121	4, 572, 146
1914.....	240, 231	1, 609, 346	25, 784	47, 287, 388	40, 578, 751	6, 708, 637
1915.....	238, 940	1, 610, 709	25, 142	52, 475, 721	40, 972, 541	11, 503, 180
1916.....	237, 664	1, 627, 342	25, 234	63, 621, 601	49, 894, 346	13, 727, 255
1917.....	228, 766	1, 626, 963	25, 466	78, 480, 223	62, 783, 006	15, 697, 217
1918.....	<sup>1</sup> 247, 303	1, 382, 547	25, 452	<sup>4</sup> 88, 093, 247	<sup>4</sup> 76, 713, 028	<sup>4</sup> 11, 380, 219
1919.....	245, 560	1, 433, 978	25, 159	<sup>4</sup> 104, 082, 147	<sup>4</sup> 90, 312, 033	<sup>4</sup> 13, 770, 114
1920.....	246, 214	1, 449, 710	24, 881	121, 473, 685	108, 134, 041	13, 339, 644
1921.....	246, 064	1, 521, 085	24, 632	105, 228, 075	95, 542, 563	9, 685, 512
1922.....	242, 729	1, 534, 009	24, 580	107, 116, 306	93, 910, 954	13, 205, 352
1923.....	244, 001	1, 557, 399	24, 678	113, 628, 470	99, 982, 165	13, 646, 305
1924.....	246, 742	1, 593, 963	24, 478	115, 235, 563	101, 815, 734	13, 419, 829
1925.....	246, 307	1, 635, 236	24, 428	129, 151, 617	112, 861, 832	16, 289, 785
1926.....	249, 916	1, 668, 293	24, 688	136, 406, 026	121, 098, 832	15, 307, 194
1927.....	251, 756	1, 783, 140	24, 765	134, 460, 816	119, 328, 218	15, 132, 598

<sup>1</sup> Estimated.

<sup>2</sup> Includes special payment to employees, \$1,166,424.50.

<sup>3</sup> Figures readjusted.

<sup>4</sup> Corporate and Federal.

Source: Annual Reports of the Western Union Telegraph Co.



## 18.—POWER—ELECTRIC AND OTHER

(For additional statistics, see supplemental tables, pp. 616 and 617. Data in this section relate to continental United States.)

### No. 378.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, OUTPUT, AND SALES

[NOTE.—A central electric station is one selling current to public or private consumers, or a municipal plant supplying current for streets, public buildings, etc. Isolated or private plants operated solely for the benefit of the owner in connection with factories, mines, stores, hotels, institutions, etc., which in the aggregate produce great quantities of current, are not included. The business of electric street railways is shown only so far as that portion of their business relating to the sale of current can be segregated. Electric plants operated by the Federal or State Governments are excluded even when they sell current to private consumers. One central electric station often sells current to another, so that there is considerable duplication in total sales. Net sales are considerably less than current generated because of wire losses, self-consumption, etc. Part of the sales reported as made to other public-service corporations, however, go to street railways, and the exact amount of duplication in the central station sales is not known. The separate data given for hydroelectric stations relate only to those with a capacity of 1,000 horsepower or more.]

	All central electric stations				Commercial stations, 1922	Municipal stations, 1922	Larger hydroelectric stations, 1922 <sup>1</sup>
	1907	1912	1917	1922			
Number of stations <sup>2</sup> .....	4,714	5,221	6,542	6,355	3,774	2,581	267
Prime movers, horsepower, total.....	4,086,188	7,580,044	12,886,788	20,896,836	19,016,107	1,890,188	2,444,888
Steam engines.....	1,875,863	1,895,362	1,701,677	1,816,655	1,496,055	320,610	163,439
Steam turbines.....	817,410	3,054,306	6,747,399	12,354,557	11,815,231	539,326	2,646,204
Water wheels and turbines.....	1,349,087	2,469,231	4,277,273	5,822,018	5,515,208	306,810	5,628,065
Internal-combustion engines.....	55,828	111,085	210,406	302,995	189,618	113,382	6,490
Dynamos:							
Number.....	12,173	12,610	13,428	12,701	9,082	3,619	2,648
Kilowatt capacity.....	2,709,225	5,165,439	8,994,407	14,313,438	13,407,041	906,397	5,915,485
Output, 1,000 kilowatt hours.....		14,183,613	31,044,049	66,874,212	47,833,996	2,441,176	22,070,101
Generated.....	5,862,277	11,569,110	25,438,303	40,291,536	38,413,240	1,878,296	18,700,047
Purchased.....	( <sup>3</sup> )	2,613,508	5,605,746	9,982,676	9,419,796	562,880	2,370,054
Sold, total.....	( <sup>3</sup> )	( <sup>3</sup> )	35,781,988	41,984,788	39,813,345	2,082,449	19,786,899
For light.....	( <sup>3</sup> )	( <sup>3</sup> )	5,112,517	9,777,114	8,483,425	1,268,089	2,573,194
Per capita <sup>4</sup> .....			50.0	92.9	81.1	11.8	27.0
For power.....	( <sup>3</sup> )	( <sup>3</sup> )	13,174,827	18,613,387	17,918,136	696,252	9,565,718
Per capita <sup>4</sup> .....			128.9	170.4	164.0	6.4	87.6
To other public service corporations.....	( <sup>3</sup> )	( <sup>3</sup> )	7,464,621	13,574,284	13,610,785	63,490	6,619,377
Stationary motors served:							
Number.....	167,184	435,473	555,924	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Horsepower capacity.....	1,649,026	4,120,619	9,216,330	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Number of customers.....	1,946,970	3,837,518	7,178,708	12,709,808	11,065,124	1,644,744	3,306,684
Salaries.....							
Number.....	12,930	26,008	35,406	55,112	50,667	4,445	<sup>5</sup> 28,082
Salaries..... dollars.....	11,783,787	24,307,304	36,787,701	86,951,301	81,338,448	5,612,853	( <sup>3</sup> )
Wage earners.....							
Number.....	<sup>6</sup> 34,842	<sup>7</sup> 53,242	<sup>8</sup> 70,185	<sup>9</sup> 96,650	85,438	10,212	( <sup>3</sup> )
Wages..... dollars.....	23,686,537	36,854,637	58,454,157	125,481,354	112,809,673	12,671,681	( <sup>3</sup> )

<sup>1</sup> Data relates to stations of 1,000 or more horsepower capacity.

<sup>2</sup> The term "station" as here used may represent a single electric station or a number of stations operated under the same ownership.

<sup>3</sup> Figures not available.

<sup>4</sup> Based on estimated total population of the United States.

<sup>5</sup> Wage earners included.

<sup>6</sup> Average number for the year.

<sup>7</sup> Number Sept. 16, 1912, or nearest representative day.

<sup>8</sup> Number Sept. 26, 1917, or nearest representative day.

<sup>9</sup> Number June 30, 1922, or nearest representative day.

Source: Bureau of the Census, Department of Commerce.

## No. 379.—CENTRAL ELECTRIC STATIONS: STATISTICS OF COMMERCIAL

[NOTE.—See headnote to Table 378. "Kilowatt hours sold" and the average rate for power do not include country as a whole in 1922 was 9 mills per kilowatt hour. The per capita consumption of electric energy of inhabitants, notwithstanding the fact that some current is transmitted across State lines]

Division and State	Horsepower of prime movers, 1922			Thousands of kilowatt hours generated			
	Total <sup>1</sup>	Steam engines and steam turbines	Water wheels and turbines	1907	1912	1917	1922
<b>United States</b> .....	<b>30,396,835</b>	<b>14,171,222</b>	<b>5,822,018</b>	<b>5,382,277</b>	<b>11,586,110</b>	<b>25,436,203</b>	<b>40,221,536</b>
<b>New England</b> .....	<b>1,980,106</b>	<b>1,482,628</b>	<b>497,478</b>	<b>473,802</b>	<b>865,380</b>	<b>1,835,584</b>	<b>2,868,971</b>
Maine.....	128,433	12,386	115,824	66,137	117,093	165,504	278,456
New Hampshire.....	71,732	37,245	33,917	55,259	126,594	160,458	94,864
Vermont.....	188,745	18,079	120,666	29,924	42,600	65,060	217,718
Massachusetts.....	1,068,220	896,277	168,537	219,426	382,254	937,125	1,493,328
Rhode Island.....	221,773	219,488	2,285	35,681	62,107	161,856	341,592
Connecticut.....	354,185	299,153	54,057	67,406	130,672	345,563	544,013
<b>Middle Atlantic</b> .....	<b>6,506,578</b>	<b>4,425,667</b>	<b>1,080,494</b>	<b>2,009,344</b>	<b>3,548,806</b>	<b>7,659,819</b>	<b>10,786,615</b>
New York.....	2,684,130	1,785,361	899,442	1,452,222	2,178,049	3,828,592	5,430,772
New Jersey.....	475,426	471,001	1,895	140,528	383,891	781,231	1,058,000
Pennsylvania.....	2,346,017	2,169,305	166,297	416,554	989,665	3,049,495	4,276,653
<b>East North Central</b> .....	<b>4,567,919</b>	<b>3,949,830</b>	<b>568,248</b>	<b>1,075,933</b>	<b>2,597,964</b>	<b>6,757,150</b>	<b>9,368,960</b>
Ohio.....	1,212,379	1,192,770	10,297	217,312	399,101	1,083,514	2,404,492
Indiana.....	481,026	403,337	43,644	130,264	236,944	441,423	795,271
Illinois.....	1,404,935	1,341,305	60,745	467,657	1,150,900	2,210,373	3,069,504
Michigan.....	945,047	889,174	250,161	208,154	525,816	1,504,240	2,102,686
Wisconsin.....	574,526	373,244	197,399	52,546	215,403	517,600	976,307
<b>West North Central</b> .....	<b>1,610,393</b>	<b>1,178,019</b>	<b>325,119</b>	<b>388,181</b>	<b>719,665</b>	<b>1,776,476</b>	<b>2,968,757</b>
Minnesota.....	312,390	203,840	101,406	87,679	186,045	440,932	588,838
Iowa.....	330,657	156,580	165,563	37,729	67,166	614,909	858,643
Missouri.....	428,812	368,268	19,420	147,329	232,829	266,431	700,642
North Dakota.....	43,269	33,143	350	8,230	12,298	22,978	40,221
South Dakota.....	53,392	32,499	5,660	13,015	24,704	21,810	61,524
Nebraska.....	155,394	122,791	13,677	31,959	56,300	129,531	245,919
Kansas.....	286,499	235,868	19,136	59,740	133,253	269,964	473,070
<b>South Atlantic</b> .....	<b>1,906,509</b>	<b>1,203,647</b>	<b>684,857</b>	<b>268,437</b>	<b>739,896</b>	<b>1,745,265</b>	<b>3,736,434</b>
Delaware.....							
Maryland.....	429,965	426,145	2,280	78,412	118,035	326,440	622,459
District of Columbia.....							
Virginia.....	163,232	108,330	53,400	10,209	28,724	107,581	319,200
West Virginia.....	392,722	377,737	7,397	24,871	42,345	204,108	1,199,378
North Carolina.....	231,035	97,090	132,364	13,172	70,552	371,711	404,428
South Carolina.....	448,782	48,805	398,812	68,698	356,772	500,431	844,417
Georgia.....	149,248	59,201	88,814	59,311	87,572	184,136	268,256
Florida.....	94,507	86,333	3,600	11,766	25,806	50,989	131,300
<b>East South Central</b> .....	<b>718,817</b>	<b>484,184</b>	<b>241,375</b>	<b>116,639</b>	<b>237,665</b>	<b>1,048,815</b>	<b>1,419,834</b>
Kentucky.....	134,778	129,709	680	37,232	77,593	122,631	231,507
Tennessee.....	203,716	77,041	125,010	34,846	75,545	564,914	492,507
Alabama.....	319,706	203,671	115,715	30,647	48,603	330,772	633,863
Mississippi.....	56,557	53,773	70	15,705	27,924	30,498	11,837
<b>West South Central</b> .....	<b>625,669</b>	<b>533,392</b>	<b>6,619</b>	<b>138,758</b>	<b>233,948</b>	<b>482,646</b>	<b>1,041,393</b>
Arkansas.....	57,130	53,304	640	11,520	17,787	38,645	84,469
Louisiana.....	44,252	30,270		26,421	18,328	38,009	52,156
Oklahoma.....	162,307	142,064	1,953	24,946	48,824	100,738	242,500
Texas.....	361,880	307,754	3,726	75,829	149,069	317,254	662,259
<b>Mountain</b> .....	<b>1,005,405</b>	<b>201,594</b>	<b>781,462</b>	<b>381,032</b>	<b>845,394</b>	<b>2,036,195</b>	<b>2,209,444</b>
Montana.....	365,154	10,940	343,854	137,379	379,213	965,454	1,008,000
Idaho.....	209,018	2,150	206,848	9,578	115,812	145,305	531,134
Wyoming.....	40,689	33,579	3,275	5,480	11,580	27,391	38,736
Colorado.....	152,685	82,836	69,246	121,275	162,146	274,224	280,048
New Mexico.....	20,108	16,889	789	4,614	9,024	17,245	22,302
Arizona.....	82,077	32,020	38,031	9,392	32,969	65,732	147,391
Utah.....	120,484	22,175	100,819	61,673	86,637	488,995	146,337
Nevada.....	15,490	350	14,090	29,622	44,070	51,846	45,383
<b>Pacific</b> .....	<b>2,154,948</b>	<b>882,451</b>	<b>1,086,727</b>	<b>1,012,206</b>	<b>1,877,663</b>	<b>3,096,823</b>	<b>5,758,929</b>
Washington.....	512,264	23,680	388,024	2,778	7,415	242,511	1,144,099
Oregon.....	107,446	37,680	69,536	92,808	68,789	107,867	266,861
California.....	1,735,238	521,171	1,210,117	916,607	1,747,459	2,746,567	4,347,968

<sup>1</sup> Includes also internal-combustion engines, see Table 378.

## AND MUNICIPAL PLANTS WITH CURRENT GENERATED AND SOLD, BY STATES

current sold to other central electric or public service corporations, the average rate for which in the is computed by dividing the total electric energy sold at producing plants in each State by the number

Thousands of kilo- watt hours gener- ated by		Kilowatt hours sold, 1922				Average rate per kilo- watt hour (cents)				Value of plant and equip- ment (1,000 dollars), 1922	Income from electric service (1,000 dollars), 1922
Commer- cial stations, 1922	Municipal stations, 1922	Amount in thousands sold for—		Per capita of population		For light		For power			
		Light	Power	Light	Power	1917	1922	1917	1922		
38,413,840	1,878,896	9,777,115	18,813,387	89.4	170.4	5.5	5.8	1.2	1.5	4,465,016	1,080,439
2,862,580	87,891	895,240	1,488,774	91.2	196.1	4.9	7.6	1.7	2.2	387,024	100,840
275,933	2,522	34,306	172,801	44.3	223.2	5.5	8.4	.8	1.1	39,828	5,447
93,452	1,412	27,870	31,556	62.4	70.7	8.0	10.1	1.9	3.1	21,930	4,415
206,180	11,558	25,699	69,495	72.9	197.2	7.4	6.6	1.7	1.9	29,441	4,426
1,429,786	63,542	429,189	751,399	107.9	189.0	7.2	7.2	1.8	2.4	194,211	56,237
341,892		52,358	172,337	84.4	277.8	5.8	7.2	1.4	2.1	28,032	9,594
535,127	8,886	125,828	288,926	88.8	199.4	6.5	8.4	2.2	2.4	73,584	20,761
10,701,148	84,880	2,857,508	5,121,529	184.1	222.5	5.8	5.9	.9	1.7	1,144,857	390,347
3,402,262	28,510	1,595,933	2,899,683	149.0	270.7	5.3	6.2	.7	1.2	608,162	148,699
1,049,211	8,879	222,225	400,912	67.0	120.9	8.5	10.6	2.1	2.8	143,344	37,633
4,249,673	26,960	1,039,350	1,820,934	115.6	202.5	5.3	4.5	1.1	2.4	398,151	108,915
8,734,513	631,745	2,484,934	4,110,386	111.8	222.4	4.8	5.1	1.6	2.1	918,340	241,922
2,218,512	185,980	511,520	1,343,450	85.0	223.4	3.8	5.6	1.6	2.0	224,491	64,706
688,840	106,431	215,079	401,164	72.3	134.2	6.4	6.4	1.8	2.7	92,043	27,000
2,919,563	169,941	888,841	1,036,695	132.6	154.7	4.6	5.2	2.0	2.0	280,206	77,542
1,989,857	132,829	671,432	892,261	172.6	229.4	5.7	3.7	1.3	2.0	213,703	45,186
939,743	36,564	207,052	430,796	76.4	161.2	5.9	6.5	1.6	2.1	107,908	27,439
1,694,434	274,305	1,087,000	1,808,513	85.1	94.6	5.9	6.0	1.4	2.1	456,168	100,948
548,506	40,332	302,188	324,813	122.5	131.6	4.6	5.1	1.1	1.8	112,927	22,864
825,463	33,080	168,643	211,243	68.8	86.2	7.6	7.3	1.3	1.6	104,109	18,796
685,536	35,106	331,979	801,733	96.7	87.9	5.3	4.9	1.7	2.6	106,446	27,518
36,016	4,205	23,660	8,459	35.6	9.7	10.0	10.6	4.4	5.5	11,936	2,957
51,203	10,321	30,065	15,621	46.2	23.1	10.3	10.0	3.0	4.0	20,406	3,758
203,435	42,484	99,724	82,529	75.4	62.4	6.8	7.3	2.1	2.6	41,479	10,114
364,293	108,777	130,631	268,714	73.1	149.0	6.2	6.8	1.5	1.9	54,862	14,929
1,630,696	158,798	584,028	1,041,388	60.7	222.4	5.4	5.8	1.0	1.6	975,682	75,777
610,431	11,928	194,116	319,971	90.1	148.5	5.1	5.9	1.0	1.9	72,462	19,567
296,541		43,451	186,605	18.3	78.6	5.5	6.3	1.4	1.8	23,790	6,596
1,197,203	2,085	65,148	303,769	42.7	199.0	3.1	5.7	1.3	2.1	47,103	14,865
381,094	23,334	98,085	533,482	37.0	201.3	6.1	5.1	.8	1.3	45,138	14,533
836,616	7,801	66,552	352,527		204.1		4.6	.9	.9	39,905	8,346
248,886	19,370	57,141	214,779	19.2	72.3	7.4	6.2	1.6	.9	32,152	5,826
59,775	71,615	63,543	30,365	62.0	29.7	7.9	7.0	2.6		15,123	5,544
1,362,014	57,890	351,732	656,339	87.9	78.8	5.6	6.6	1.4	1.8	184,910	31,315
211,434	20,073	97,871	113,943	40.0	46.5	5.9	6.6	2.0	2.4	49,833	9,903
477,595	14,912	85,409	219,644	35.9	92.4	4.6	6.2	2.4	1.5	67,619	10,222
628,969	4,914	35,724	309,447	14.9	128.8	4.6	7.2	.8	1.1	54,392	7,811
44,016	17,921	32,728	13,306	18.3	7.4	8.0	8.5	2.1	3.2	13,046	3,287
931,061	90,339	358,762	438,464	53.6	41.3	6.4	7.8	2.1	2.6	182,446	42,848
74,050	10,419	27,296	27,235	15.2	15.1	7.2	10.4	2.8	3.8	15,109	4,240
32,124	20,032	39,636	19,367	21.6	10.6	4.8	7.2	2.3	3.3	13,854	3,538
203,888	38,621	94,766	117,081	44.6	55.1	7.6	7.9	1.8	2.4	39,006	10,902
640,999	21,260	197,064	274,781	40.5	56.5	6.6	7.5	2.2	2.6	64,479	24,188
2,180,615	22,829	338,330	1,415,640	92.5	401.5	5.5	5.8	.8	1.0	381,815	37,856
984,892	3,617	43,855	786,106	73.9	1,329.8	7.4	6.9	.6	.6	85,865	9,181
526,119	5,015	48,517	145,653	105.6	315.9	6.2	5.3	.8	.9	37,362	4,222
37,046	1,600	20,921	12,539	101.1	60.6	6.3	7.7	2.1	3.3	6,642	2,063
281,448	8,634	88,372	126,991	90.6	130.1	5.8	6.5	1.6	2.4	56,832	9,300
20,013	2,349	8,976	5,108	24.3	13.8	10.8	11.0	3.2	5.4	4,789	1,285
146,979	412	34,316	36,082	93.3	96.2	9.7	5.2	1.9	3.7	17,267	3,930
139,225	7,112	61,146	279,233	130.4	595.4	5.5	5.2	.7	1.1	62,842	6,768
45,363		19,227	21,426	248.4	276.8	6.5	2.2	1.0	2.0	10,216	911
1,874,751	694,177	1,115,493	2,234,665	188.9	377.4	4.6	4.3	1.3	1.7	654,963	69,839
941,673	202,396	428,318	282,014	303.4	199.7	4.6	2.2	.9	1.8	110,767	17,417
253,058	13,803	67,897	146,377	71.3	180.2	5.9	5.1	1.4	1.3	37,592	4,849
4,080,020	367,976	632,278	1,806,174	171.0	488.5	4.8	5.5	1.2	1.7	506,604	77,073

\* Including estimated value of free service.

Source: Bureau of the Census, Department of Commerce.



## No. 380.—CENTRAL ELECTRIC STATIONS: FINANCIAL STATISTICS

(NOTE.—All figures in thousands of dollars. See headnote to Table 378.)

	All central electric stations				Com- mercial stations, 1922	Munici- pal sta- tions, 1922
	1902	1912	1917	1922		
INCOME ACCOUNT						
Income, total	175,643	302,272	536,394	1,072,120	924,624	85,439
Electric service, total	169,816	287,129	502,060	1,060,429	924,621	85,586
Commercial	130,836	221,201	402,263	842,566	772,111	69,465
Municipal lighting	25,418	29,778	36,651	49,151	40,854	8,297
Sales to other public service corporations	13,361	31,177	57,525	123,455	122,321	1,124
Value of free service	(1)	4,983	5,621	5,267	565	4,702
Interest and dividends from investments	(1)	4,891	8,875	16,655	16,527	128
Other sources	6,027	10,243	15,959	35,026	33,306	1,720
Expenses, total	124,197	234,577	426,568	869,626	792,496	67,129
Fuel	23,058	34,877	87,272	162,558	146,323	16,235
Current purchased	7,074	18,074	38,818	88,637	79,637	9,000
Supplies, materials, and miscellaneous	29,180	30,715	53,120	91,163	80,492	10,671
Rent of offices, conduits, etc	2,900	4,280	9,979	18,741	18,628	115
Salaries and wages	35,420	61,163	95,242	212,433	194,148	18,285
Taxes	6,351	13,147	30,063	72,773	73,128	645
Injuries, damages, insurance	2,213	3,521	5,481	10,959	10,209	750
Interest	27,992	48,303	73,584	130,494	125,506	4,808
Depreciation	(1)	18,644	28,307	63,551	59,273	4,278
Sinking and reserve funds	(1)	1,654	4,702	7,316	5,064	2,252
Dividends, total	18,301	24,681	64,589	129,308	129,240	63
Common stock	16,884	28,602	62,326	95,751	95,688	63
Preferred stock	2,417	5,979	12,263	33,557	33,557	
BALANCE SHEET						
Assets	(1)	2,576,644	3,780,319	5,793,339	5,504,616	288,023
Value of plant and equipment	1,096,914	2,175,678	3,060,392	4,465,016	4,229,366	235,600
Securities of other electric companies	(1)	77,787	129,525	251,326	251,295	31
Securities of other than electric companies	(1)	65,896	60,468	65,477	85,411	66
Treasury securities	(1)	48,518	60,874	154,615	154,312	303
All other	(1)	200,908	452,207	838,939	767,261	60,678
Profit and loss deficit <sup>1</sup>	(1)	7,850	10,852	19,865	16,980	2,886
Liabilities	(1)	2,576,644	3,780,319	5,793,339	5,504,616	288,023
Capital stock	(1)	1,154,587	1,560,251	2,125,316	2,125,316	
Funded debt	(1)	929,007	1,352,294	2,355,330	2,248,740	106,584
Cash investment	(1)	39,230	67,849	120,739	17,920	102,819
Real estate mortgages	(1)	10,515	15,411	10,111	15,883	228
Floating debt	(1)	142,686	206,520	147,329	144,750	5,579
Reserves	(1)	66,932	172,160	362,320	341,319	21,001
All other liabilities	(1)	92,269	204,141	350,676	336,834	13,842
Profit and loss surplus <sup>2</sup>	(1)	141,228	201,692	315,417	276,847	38,570
Net surplus	(1)	133,369	190,840	295,552	259,867	35,685

<sup>1</sup> Figures not available.<sup>2</sup> For companies showing deficit and surplus, respectively.

Source: Bureau of the Census, Department of Commerce.

No. 381.—ELECTRICITY PRODUCED AND CONSUMPTION OF FUEL BY PUBLIC-UTILITY POWER PLANTS <sup>1</sup>

Calendar year	Production of electricity			Consumption of fuel			Consumption - Coal or coal equivalent	
	Total	Water power	Fuel power	Coal	Fuel oil	Gas	Total	Per kilowatt hour
	Million kilowatt hours	Million kilowatt hours	Million kilowatt hours	Thousand short tons	Thousand barrels <sup>2</sup>	Million cubic feet	Thousand short tons	Pounds
1910	38,921	14,606	24,315	35,100	11,050	21,409	38,880	3.2
1920	43,555	16,150	27,405	37,124	13,123	24,702	41,420	3.0
1921	40,975	14,970	26,005	31,585	12,045	23,722	35,240	2.7
1922	47,654	17,207	30,447	34,179	13,137	27,172	38,000	2.5
1923	55,665	19,343	36,322	38,966	14,084	31,483	43,522	2.4
1924	69,014	19,969	49,044	37,556	16,630	48,443	43,130	2.2
1925	65,870	22,356	43,514	40,222	16,246	40,521	44,790	2.1
1926	73,791	26,189	47,602	41,311	9,399	53,207	45,846	1.95
1927	80,205	29,875	50,330	41,888	6,782	62,919	45,910	1.84

<sup>1</sup> Data are estimated totals for all plants, based on actual returns from about 3,500 plants in 1919 to about 2,800 in 1927, each producing 10,000 kilowatt hours or more per month, engaged in public service, including central stations, electric railways, steam railroads generating electricity for traction, and certain other plants. The capacity of plants submitting reports is about 95 per cent of the capacity of all plants.<sup>2</sup> Of 42 gallons.

Source: Geological Survey, Department of the Interior.

No. 382.—PRODUCTION OF ELECTRIC POWER BY PUBLIC UTILITY POWER PLANTS: BY STATES

[Millions of kilowatt hours]

Division and State	Production of electric power										
	Total							Generated by water power		Generated by fuel power	
	1920	1921	1922	1923	1924	1925	1926	1926	1927	1926	1927
United States.....	43, 555	47, 654	55, 665	59, 014	65, 870	73, 791	80, 205	18, 150	29, 875	27, 405	50, 390
New England.....	3, 407	3, 730	4, 276	4, 335	4, 824	5, 166	5, 471	1, 134	1, 989	2, 273	3, 481
Maine.....	352	405	453	474	509	544	627	344	623	9	4
New Hampshire.....	97	196	196	216	264	264	276	61	243	36	32
Vermont.....	200	137	155	224	258	265	268	196	264	4	4
Massachusetts.....	1, 740	1, 850	2, 093	2, 098	2, 378	2, 499	2, 609	358	581	1, 382	2, 028
Rhode Island.....	334	411	517	427	408	476	496	6	5	328	490
Connecticut.....	684	731	862	896	1, 007	1, 118	1, 195	160	273	515	922
Middle Atlantic.....	12, 349	13, 062	15, 499	16, 306	18, 299	20, 527	21, 717	3, 665	6, 216	8, 664	15, 500
New York.....	6, 939	7, 421	8, 718	9, 289	10, 267	11, 333	11, 989	3, 030	5, 230	3, 909	6, 758
New Jersey.....	1, 096	1, 112	1, 251	1, 304	1, 506	1, 737	1, 904	2	35	1, 094	1, 868
Pennsylvania.....	4, 314	4, 529	5, 440	5, 713	6, 526	7, 457	7, 825	633	951	3, 681	6, 874
East North Central.....	9, 958	10, 876	12, 763	13, 791	15, 715	17, 664	18, 843	1, 382	2, 410	8, 576	16, 424
Ohio.....	2, 930	3, 043	3, 588	3, 702	4, 387	4, 761	4, 950	28	49	2, 902	4, 901
Indiana.....	933	1, 077	1, 259	1, 298	1, 484	1, 758	1, 864	35	153	898	1, 711
Illinois.....	3, 043	3, 483	4, 067	4, 665	5, 269	5, 930	6, 319	185	242	2, 858	6, 077
Michigan.....	2, 093	2, 180	2, 581	2, 697	3, 031	3, 393	3, 774	672	1, 009	1, 421	2, 765
Wisconsin.....	960	1, 094	1, 269	1, 430	1, 542	1, 821	1, 936	463	957	497	979
West North Central.....	3, 179	3, 568	3, 976	3, 934	4, 254	4, 567	4, 841	1, 166	1, 650	2, 013	3, 191
Minnesota.....	703	788	858	870	1, 046	1, 040	1, 054	410	673	293	381
Iowa.....	1, 017	1, 042	1, 110	1, 175	1, 195	1, 345	1, 411	662	809	354	602
Missouri.....	698	871	1, 061	889	866	913	958	46	83	652	876
North Dakota.....	28	32	36	39	39	48	57			28	57
South Dakota.....	48	56	62	66	75	80	88	15	12	33	76
Nebraska.....	247	284	317	338	366	395	431	13	35	235	396
Kansas.....	438	496	532	557	667	766	842	21	38	417	804
South Atlantic.....	3, 980	4, 851	5, 728	5, 950	6, 272	7, 197	8, 763	1, 614	2, 299	2, 365	5, 769
Delaware.....	76	85	90	88	102	119	120			76	120
Maryland.....	283	394	511	482	573	588	602	3	30	280	572
District of Columbia.....	255	282	301	315	350	381	414			255	414
Virginia.....	521	638	730	744	802	926	1, 089	203	272	318	816
West Virginia.....	1, 128	1, 351	1, 711	1, 763	1, 643	1, 807	2, 048	23	200	1, 105	1, 848
North Carolina.....	260	443	632	647	942	1, 117	2, 087	208	1, 137	51	950
South Carolina.....	730	869	895	944	882	1, 038	1, 117	673	733	57	384
Georgia.....	595	628	675	749	661	711	710	491	616	104	93
Florida.....	133	160	182	218	318	510	582	13	10	120	572
East South Central.....	1, 464	1, 535	1, 871	2, 064	2, 610	3, 049	3, 408	840	2, 212	623	1, 196
Kentucky.....	276	315	352	405	475	514	566		109	276	457
Tennessee.....	573	512	649	694	875	894	929	441	569	132	359
Alabama.....	550	647	804	890	1, 169	1, 583	1, 867	399	1, 533	150	334
Mississippi.....	66	60	65	74	91	59	46			66	46
West South Central.....	1, 230	1, 463	1, 693	1, 923	2, 202	2, 640	3, 315	7	67	1, 222	3, 249
Arkansas.....	119	131	148	155	189	164	167	1	50	117	117
Louisiana.....	219	250	283	308	350	520	633			219	633
Oklahoma.....	214	266	290	331	394	463	676	2	5	212	671
Texas.....	679	817	973	1, 129	1, 268	1, 493	1, 839	4	11	675	1, 828
Mountain.....	2, 581	2, 390	2, 839	2, 963	3, 127	3, 425	3, 590	2, 947	3, 034	334	486
Montana.....	1, 126	985	1, 139	1, 145	1, 263	1, 408	1, 395	1, 119	1, 381	7	14
Idaho.....	591	616	695	793	764	811	806	589	804	2	2
Wyoming.....	47	39	49	54	56	59	66	2	15	44	52
Colorado.....	397	403	462	490	523	562	551	185	224	213	328
New Mexico.....	15	17	18	20	22	26	33	1	1	14	33
Arizona.....	159	145	157	153	131	172	279	107	239	53	40
Utah.....	212	146	273	267	340	350	338	212	321	( <sup>1</sup> )	17
Nevada.....	34	39	47	42	40	37	51	33	50	1	1
Pacific.....	5, 408	6, 178	7, 110	7, 748	8, 569	9, 537	10, 322	4, 094	9, 299	1, 314	1, 094
Washington.....	1, 197	1, 286	1, 446	1, 504	1, 623	1, 808	2, 122	1, 154	2, 053	43	68
Oregon.....	476	513	594	678	730	831	845	371	599	105	245
California.....	3, 736	4, 380	5, 069	5, 566	6, 216	6, 898	7, 356	2, 569	6, 646	1, 167	710

<sup>1</sup> Less than 500,000 kilowatt hours.

Source: Geological Survey, Department of the Interior.

## No. 383.—RETAIL PRICES OF ELECTRICITY IN PRINCIPAL CITIES

[Note: Net price in cents per kilowatt hour, electricity for household use. For cities having more than one tariff for domestic consumers rates are shown for the schedule or schedules under which most residences are served. "Demand" is a term applied to an amount of current consumption bearing a given ratio to the capacity of consumers' installation as a basis for graduating rates. The method of determination varies from city to city. For example, in Buffalo the lighting demand is 25 per cent of the total installation, but not less than 250 watts. If the capacity of the total installation is 2,000 watts, the "demand" is 25 per cent of this, or 500 watts, and the first 60 hours' use amounts to 30 kilowatt hours and is subject to the first price schedule (5 cents, 1927); the next 120 hours' use (60 kilowatt hours) to the next rate (4 cents), and above 90 kilowatt hours to the excess rate (1½ cents). Measure of consumption as stated in second column refers to tariffs of 1927. For some cities primary and secondary rates applied to somewhat different amounts of current consumption in previous years. For full details see Monthly Labor Review, February, 1928.]

City	Measure of consumption per month	December—							
		1913	1921	1922	1923	1924	1925	1926	1927
Atlanta	First 100 kilowatt hours	7.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1
Baltimore	First 20 hours' use of demand	8.5	8.0	8.0	8.0	8.0	8.0	8.0	7.0
Birmingham	First 100 kilowatt hours	8.5	7.7	7.7	7.7	7.7	7.7	7.7	7.7
Boston	First 1,000 kilowatt hours	10.0	11.0	9.5	9.5	9.5	8.5	8.5	8.5
Buffalo	First 60 hours' use of demand	7.0	7.0	7.0	6.0	6.0	5.0	5.0	6.0
	Next 120 hours' use of demand	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	Excess	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Chicago	First 30 hours' use of demand	10.0	9.0	9.0	8.0	8.0	8.0	8.0	8.0
	Next 30 hours' use of demand	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	Excess	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Cleveland	Company A, first 500 kilowatt hours	10.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	Company B, all current	8.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Columbus	First 75 kilowatt hours	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Dallas	First 800 kilowatt hours	10.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Denver	First 15 kilowatt hours	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.0
Detroit	First 3 kilowatt hours per active room	12.5	12.5	10.5	10.5	10.5	10.5	9.0	9.0
	Excess	3.5	3.5	2.5	2.5	2.5	2.5	2.5	2.5
Fall River	First 25 kilowatt hours	9.5	10.5	9.5	9.0	9.0	9.0	8.5	8.5
	Next 975 kilowatt hours				8.5	8.5	8.5	7.5	7.5
Jacksonville	All current	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Little Rock	First 300 kilowatt hours	13.5	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Los Angeles	First 50 kilowatt hours	5.5	6.2	5.5	5.5	5.5	5.5	5.5	5.0
Louisville	1 to 149 kilowatt hours	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Memphis	First 6 kilowatt hours per room	10.0	9.0	8.0	8.0	8.0	8.0	8.0	8.0
	Excess			5.0	5.0	5.0	5.0	5.0	5.0
Mobile	First 50 kilowatt hours	7.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Newark	First 20 kilowatt hours	10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0
	Next 30 kilowatt hours				8.0	8.0	8.0	8.0	8.0
New Haven	All current	9.0	8.5	8.0	7.5	7.0	6.5	6.5	6.0
New Orleans	First 20 kilowatt hours	13.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1
	Next 4 kilowatt hours	6.0	7.8	7.8	7.8	7.8	7.8	7.8	7.8
New York	Company A, first 1,000 kilowatt hours	10.0	7.7	7.6	7.5	7.4	7.2	7.2	7.3
	Company B, all current	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Company C, first 60 hours' use of demand	11.0	8.7	8.6	8.5	8.3	7.8	7.8	7.3
Norfolk	First 100 kilowatt hours	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.5
Omaha	All current	11.4	6.0	5.5	5.5	5.5	5.5	5.5	5.5
Philadelphia	Company A, first 12 kilowatt hours	10.0	9.0	8.0	8.0	8.0	6.0	8.0	8.0
	Next 4 kilowatt hours		7.0	7.0	7.0	7.0	7.0	7.0	7.0
	Company B, first 20 kilowatt hours	10.0	10.0	9.0	9.0	9.0	8.0	9.0	9.0
	Next 10 kilowatt hours					8.0	8.0	8.0	8.0
Pittsburgh	First 10 hours' use of demand	10.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	Next 60 hours' use of demand		6.0	6.0	5.5	5.5	5.5	5.5	5.5
Providence	All current	10.0	7.5	6.9	7.0	6.9	6.8	6.9	6.7
Rochester	First 100 kilowatt hours	9.7	9.0	9.0	9.0	9.0	9.0	9.0	8.5
	All current	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
St. Paul	First 3 kilowatt hours per room	9.9	9.9	9.9	9.9	9.9	9.9	9.5	9.5
	Next 3 kilowatt hours per room							7.1	7.1
	Excess	6.6	6.6	6.0	6.6	6.6	6.6	2.9	2.9
Salt Lake City	First 250 kilowatt hours	9.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1
San Francisco	Company A, first 6 kilowatt hours	7.0	8.5	8.5	9.0	9.0	9.0	9.0	5.0
	Next 15 kilowatt hours				6.0	6.0	6.0	6.0	2.5
	Company B, first 16 kilowatt hours	7.0	8.5	8.5	9.0	9.0	9.0	9.0	9.0
	Next 6 kilowatt hours				6.0	6.0	6.0	6.0	6.0
Scranton	First 50 kilowatt hours	9.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Seattle	First 40 kilowatt hours	4.0	6.0	8.0	5.5	5.5	5.5	5.5	5.5
Washington, D. C.	First 120 hours' use of demand	10.0	10.0	10.0	10.0	10.0	7.5	7.0	6.3

Source: Bureau of Labor Statistics, Department of Labor

## 19.—PUBLIC ROADS AND MOTOR VEHICLES

### No. 384.—RURAL ROAD MILEAGE AS OF DECEMBER 31, 1926, AND CONSTRUCTION OF ROADS DURING 1924, 1925, AND 1926

[NOTE.—Figures include county and township roads and also State highway systems shown in Tables 385 and 386. Data included for county and township roads in 1926 were secured from county records and are comparable with similar data secured in 1921. Data for intervening years shown in this and preceding abstracts contain some estimates and are not as accurate as to detail as for 1921 and 1926.]

Division and State	Existing mileage Dec. 31, 1926							Mileage graded and drained and mileage surfaced during—		
	Total, all types	Earth roads	Surfaced roads					1924 <sup>1</sup>	1925 <sup>1</sup>	1926 <sup>1</sup>
			Total	Sand, clay, gravel, etc	Macadam	Sheet asphalt and concrete	Block pavements			
<b>United States</b> .....	3,000,180	2,450,126	630,084	406,917	85,738	53,302	8,306	51,638	73,776	116,418
<b>New England</b> .....	33,591	59,906	23,614	16,233	5,498	1,858	26	1,089	1,318	1,348
Maine.....	21,003	16,574	4,429	4,098	255	78	1	395	326	187
New Hampshire.....	11,944	9,725	2,218	1,846	286	86	—	100	157	214
Vermont.....	15,036	10,546	4,490	4,337	100	54	—	195	304	301
Massachusetts.....	19,067	10,817	8,280	4,344	2,030	886	20	180	310	255
Rhode Island.....	2,469	1,593	876	250	397	225	3	57	86	84
Connecticut.....	13,972	10,651	3,321	1,358	1,430	531	2	153	127	302
<b>Middle Atlantic</b> .....	187,335	139,058	58,398	33,710	21,980	11,448	1,391	3,836	4,317	5,339
New York.....	79,517	52,560	26,957	7,985	14,643	4,022	307	2,316	2,068	2,743
New Jersey.....	16,665	8,829	7,836	3,827	1,614	2,286	109	344	549	567
Pennsylvania.....	91,173	67,669	23,505	11,898	5,663	5,138	805	1,179	1,700	1,939
<b>East North Central</b> .....	416,506	363,650	153,853	117,561	18,716	15,367	3,917	12,713	13,837	18,896
Ohio.....	84,872	42,511	42,361	25,688	11,435	2,449	1,790	971	2,302	6,208
Indiana.....	73,612	24,171	49,440	43,112	3,855	2,258	222	2,168	—	1,329
Illinois.....	97,620	80,692	16,928	10,695	511	5,528	193	1,968	1,508	1,181
Michigan.....	61,010	50,312	21,698	16,764	2,069	2,854	12	2,294	1,064	1,408
Wisconsin.....	79,391	55,964	23,426	20,302	846	2,278	—	5,312	7,826	8,110
<b>West North Central</b> .....	773,849	711,445	61,403	35,735	1,080	3,680	947	11,849	26,730	31,100
Minnesota.....	110,223	80,212	30,011	26,970	90	925	25	5,567	4,692	10,694
Iowa.....	103,115	93,831	9,284	8,631	—	619	33	1,240	902	2,900
Missouri.....	110,366	99,323	11,043	8,112	1,370	1,543	17	2,450	4,016	2,012
North Dakota.....	107,410	105,535	1,874	1,865	—	10	—	399	3,836	2,093
South Dakota.....	118,741	115,231	3,510	3,416	—	94	—	965	7,870	5,967
Nebraska.....	93,992	90,719	3,273	3,132	4	115	22	563	2,855	4,652
Kansas.....	129,102	126,594	2,508	1,609	196	554	150	336	2,470	2,800
<b>South Atlantic</b> .....	366,680	284,573	82,107	60,067	13,288	7,703	1,234	5,954	8,851	12,122
Delaware.....	3,707	2,912	884	98	200	579	7	67	85	97
Maryland.....	14,832	9,992	4,840	1,671	1,917	1,061	1	343	366	346
Virginia.....	59,698	49,156	10,542	6,852	3,063	627	—	342	972	1,102
West Virginia.....	34,800	31,762	3,037	852	1,201	787	197	308	881	1,131
North Carolina.....	71,529	44,644	26,885	23,151	1,001	2,645	88	1,074	2,627	3,428
South Carolina.....	56,079	43,604	12,475	12,044	28	377	15	1,024	1,233	1,917
Georgia.....	97,390	85,973	11,416	10,442	439	513	3	1,424	966	2,067
Florida.....	29,935	16,532	12,403	4,957	5,409	1,124	913	1,174	1,722	3,046
<b>East South Central</b> .....	243,340	190,068	53,279	39,848	14,671	1,300	56	3,354	4,063	7,786
Kentucky.....	61,261	46,024	15,236	5,018	9,378	214	26	795	1,168	1,036
Tennessee.....	64,204	52,967	11,238	5,977	4,797	462	1	863	—	1,497
Alabama.....	63,251	45,737	17,514	16,867	398	243	5	1,032	570	2,990
Mississippi.....	56,624	45,336	11,286	10,764	98	381	24	664	1,364	2,265
<b>West South Central</b> .....	430,534	380,249	40,285	34,585	3,447	2,180	133	3,706	4,368	28,089
Arkansas.....	74,285	68,304	5,981	5,111	353	517	—	1,441	1,186	4,172
Louisiana.....	35,411	26,714	8,697	8,586	41	55	16	728	509	2,399
Oklahoma.....	122,274	119,344	2,930	2,149	13	732	36	332	522	6,700
Texas.....	168,564	165,887	22,677	18,679	3,040	876	82	1,205	2,060	11,818
<b>Mountain</b> .....	337,056	301,230	35,827	23,747	573	1,506	—	7,450	6,279	9,735
Montana.....	66,987	64,470	2,508	2,460	11	37	—	658	806	4,451
Idaho.....	32,966	20,026	6,961	6,305	481	175	—	1,351	1,550	1,125
Wyoming.....	45,021	43,737	1,284	1,231	15	28	—	2,337	456	760
Colorado.....	65,606	59,008	5,997	5,722	—	275	—	406	1,824	1,211
New Mexico.....	48,028	46,075	1,954	1,680	—	74	—	810	350	570
Arizona.....	21,536	18,466	3,070	2,508	34	528	—	976	383	853
Utah.....	23,179	20,579	2,600	2,259	10	330	—	176	281	885
Nevada.....	23,713	22,360	1,453	1,252	22	49	—	736	539	374
<b>Pacific</b> .....	180,076	130,947	49,126	35,089	5,966	7,968	84	1,063	4,303	4,683
Washington.....	46,730	30,246	16,483	13,143	1,730	1,554	56	397	1,132	1,358
Oregon.....	51,743	40,164	11,578	9,072	1,000	1,418	28	389	1,120	1,846
California.....	81,602	60,537	21,065	12,874	3,175	5,016	—	1,199	1,960	1,429

<sup>1</sup> Includes earth roads partially graded as follows: 1924, 6,408 miles; 1925, 16,076 miles.

<sup>2</sup> Surfaced mileage includes both new surfacing and reconstructed surfacing.

Source: Bureau of Public Roads, Department of Agriculture.

# No. 885.—ROAD MILEAGE IN STATE HIGHWAY SYSTEMS AS OF DECEMBER 31, 1926

(NOTE.—These statistics relate only to highways maintained wholly or in part by State governments, not including those maintained only by county or local governments.)

Division and State	Total, all types	Earth roads	Surfaced roads				
			Total	Sand-clay, gravel, etc.	Macadam	Sheet asphalt and concrete	Block pavements
<b>United States</b>	<b>227,922</b>	<b>124,260</b>	<b>162,659</b>	<b>20,682</b>	<b>31,356</b>	<b>37,649</b>	<b>3,320</b>
<b>New England</b>	<b>12,632</b>	<b>2,401</b>	<b>10,230</b>	<b>8,142</b>	<b>2,799</b>	<b>1,283</b>	<b>3</b>
Maine	1,575	269	1,306	1,006	228	73	
New Hampshire	2,257	293	1,963	1,625	253	85	
Vermont	4,462	1,323	3,139	2,990	98	60	
Massachusetts	1,564	13	1,551	112	1,008	433	1
Rhode Island	822	370	452	22	253	196	
Connecticut	1,962	123	1,819	387	984	446	
<b>Middle Atlantic</b>	<b>27,659</b>	<b>7,999</b>	<b>19,561</b>	<b>906</b>	<b>9,737</b>	<b>8,238</b>	<b>708</b>
New York	14,068	4,214	9,854	128	6,180	3,265	281
New Jersey	1,456	161	1,297	267	140	843	47
Pennsylvania	12,033	3,594	8,440	511	3,417	4,130	381
<b>East North Central</b>	<b>41,780</b>	<b>8,967</b>	<b>32,811</b>	<b>14,550</b>	<b>8,466</b>	<b>11,235</b>	<b>1,641</b>
Ohio	11,000	1,409	9,591	3,178	3,168	1,758	1,468
Indiana	4,263	107	4,155	1,601	1,304	1,120	71
Illinois	9,460	4,904	4,496		6	4,413	78
Michigan	6,757	528	6,229	3,633	716	1,874	6
Wisconsin	10,280	1,859	8,420	6,138	212	2,070	
<b>West North Central</b>	<b>48,180</b>	<b>27,034</b>	<b>21,146</b>	<b>17,167</b>	<b>922</b>	<b>3,478</b>	<b>943</b>
Minnesota	6,931	577	6,354	5,498	28	808	25
Iowa	6,654	3,184	3,470	2,819		617	33
Missouri	7,640	4,264	3,376	1,824	94	1,440	17
North Dakota	6,838	5,502	1,335	1,326		10	
South Dakota	5,924	3,456	2,468	2,465		3	
Nebraska	6,256	3,492	2,764	2,660		84	20
Kansas	7,887	6,549	1,338	575	106	510	148
<b>South Atlantic</b>	<b>35,279</b>	<b>11,974</b>	<b>23,304</b>	<b>11,600</b>	<b>5,228</b>	<b>5,886</b>	<b>690</b>
Delaware	590		590	23	19	542	6
Maryland	2,420		2,420	359	1,068	972	1
Virginia	5,210	1,372	3,839	1,746	1,591	512	
West Virginia	3,785	2,052	1,732	332	693	561	14
North Carolina	16,218	754	5,464	2,616	513	2,279	50
South Carolina	5,143	1,273	3,870	3,500	38	331	
Georgia	6,259	3,594	2,664	2,166	190	308	1
Florida	5,654	2,929	2,725	858	1,106	381	380
<b>East South Central</b>	<b>25,355</b>	<b>11,506</b>	<b>13,759</b>	<b>8,647</b>	<b>4,172</b>	<b>996</b>	<b>45</b>
Kentucky	9,647	5,454	4,192	1,808	2,471	187	26
Tennessee	5,051	1,496	3,556	1,565	1,599	392	
Alabama	3,936	1,764	2,172	1,893	86	193	5
Mississippi	6,721	2,882	3,839	3,581	16	224	19
<b>West South Central</b>	<b>40,693</b>	<b>20,969</b>	<b>19,700</b>	<b>14,864</b>	<b>2,856</b>	<b>1,980</b>	<b>123</b>
Arkansas	8,346	4,193	4,153	3,342	300	511	
Louisiana	8,000	3,293	4,707	4,630	20	42	1
Oklahoma	5,589	4,004	1,584	918		630	30
Texas	18,728	9,472	9,256	5,964	2,533	677	62
<b>Mountain</b>	<b>42,213</b>	<b>29,107</b>	<b>13,113</b>	<b>11,606</b>	<b>456</b>	<b>1,051</b>	<b></b>
Montana	7,967	7,630	927	885	6	36	
Idaho	4,698	2,231	2,438	1,877	404	157	
Wyoming	3,136	2,207	929	876	15	38	
Colorado	8,907	5,467	3,440	3,248		252	
New Mexico	9,214	7,530	1,685	1,611		74	
Arizona	2,031	610	1,422	1,222	10	190	
Utah	3,249	2,059	1,190	954		256	
Nevada	2,996	1,973	1,023	953	21	49	
<b>Pacific</b>	<b>14,335</b>	<b>4,986</b>	<b>9,349</b>	<b>5,508</b>	<b>423</b>	<b>3,420</b>	<b>14</b>
Washington	3,294	676	2,607	1,970	31	592	14
Oregon	4,469	1,248	3,220	2,323		897	
California	6,582	3,044	3,538	1,015	392	2,131	

<sup>1</sup> Excludes 249 miles of system in incorporated cities and towns.

<sup>2</sup> Less than five-tenths of 1 mile.

Source: Bureau of Public Roads, Department of Agriculture.

# No. 386.—CONSTRUCTION OF ROADS IN STATE HIGHWAY SYSTEMS DURING 1925 AND 1926

[NOTE.—Highways under control of State Highway Departments only]

Division and State	Mileage built during 1926								Mileage built during 1925	
	Total, all types	Earth, im-proved, graded, and drained	Surfaced roads						Total, all types	Sur-faced roads
			Total	New	Recon-structed	Sand-clay and gravel	Mac-adam	Paved		
<b>United States</b> .....	<b>27,387</b>	<b>7,000</b>	<b>20,387</b>	<b>17,682</b>	<b>2,665</b>	<b>13,073</b>	<b>2,258</b>	<b>4,996</b>	<b>23,162</b>	<b>17,898</b>
<b>New England</b> .....	<b>814</b>	<b>17</b>	<b>796</b>	<b>688</b>	<b>109</b>	<b>356</b>	<b>273</b>	<b>168</b>	<b>631</b>	<b>622</b>
Maine.....	135	-----	135	110	25	95	23	17	46	46
New Hampshire.....	186	16	169	162	8	137	24	8	147	140
Vermont.....	139	-----	139	124	15	115	8	16	199	199
Massachusetts.....	103	-----	103	85	18	1	59	43	88	88
Rhode Island.....	50	-----	50	50	-----	4	27	20	38	38
Connecticut.....	201	1	200	157	43	4	132	64	114	112
<b>Middle Atlantic</b> .....	<b>1,680</b>	<b>313</b>	<b>1,367</b>	<b>1,367</b>	-----	<b>39</b>	<b>344</b>	<b>984</b>	<b>1,687</b>	<b>1,686</b>
New York.....	581	16	566	566	-----	21	59	486	591	589
New Jersey.....	54	3	50	50	-----	-----	-----	50	84	84
Pennsylvania.....	1,045	294	751	751	-----	18	285	448	1,013	1,013
<b>East North Central</b> .....	<b>4,645</b>	<b>179</b>	<b>4,466</b>	<b>3,461</b>	<b>1,004</b>	<b>2,579</b>	<b>569</b>	<b>1,318</b>	<b>4,321</b>	<b>4,078</b>
Ohio.....	2,481	70	2,411	1,863	548	1,713	388	310	1,368	1,286
Indiana.....	386	9	377	299	77	46	133	197	332	306
Illinois.....	408	46	362	359	3	-----	-----	362	868	733
Michigan.....	354	-----	354	335	19	154	1	200	437	437
Wisconsin.....	1,016	54	962	606	357	666	47	249	1,316	1,316
<b>West North Central</b> .....	<b>8,291</b>	<b>3,335</b>	<b>4,956</b>	<b>4,068</b>	<b>889</b>	<b>4,078</b>	<b>38</b>	<b>839</b>	<b>6,538</b>	<b>4,068</b>
Minnesota.....	1,728	316	1,412	624	788	1,232	-----	179	878	550
Iowa.....	994	495	499	464	35	408	-----	91	348	348
Missouri.....	1,167	344	823	823	-----	343	-----	480	1,677	1,260
North Dakota.....	977	438	539	532	8	537	-----	2	688	262
South Dakota.....	473	28	445	445	-----	443	-----	2	1,214	551
Nebraska.....	1,476	642	834	834	-----	822	-----	12	1,432	967
Kansas.....	1,476	1,072	404	376	28	293	38	73	301	129
<b>South Atlantic</b> .....	<b>3,546</b>	<b>632</b>	<b>3,014</b>	<b>2,840</b>	<b>173</b>	<b>1,373</b>	<b>615</b>	<b>1,086</b>	<b>3,202</b>	<b>2,364</b>
Delaware.....	85	-----	85	85	-----	22	-----	63	73	73
Maryland.....	148	-----	148	148	-----	24	21	104	185	185
Virginia.....	187	22	166	166	-----	33	71	62	1,202	1,173
West Virginia.....	494	-----	494	486	8	163	208	123	545	285
North Carolina.....	1,255	395	859	696	163	237	100	523	1,482	977
South Carolina.....	632	48	584	584	-----	512	-----	72	250	242
Georgia.....	387	59	328	328	-----	256	27	44	247	232
Florida.....	358	8	350	347	2	126	188	35	219	218
<b>East South Central</b> .....	<b>2,004</b>	<b>573</b>	<b>1,432</b>	<b>1,351</b>	<b>81</b>	<b>977</b>	<b>194</b>	<b>261</b>	<b>1,114</b>	<b>399</b>
Kentucky.....	451	237	214	140	74	90	89	35	382	207
Tennessee.....	473	181	292	292	-----	42	97	153	376	291
Alabama.....	496	29	467	460	7	401	8	58	283	267
Mississippi.....	584	126	459	459	-----	444	-----	15	72	64
<b>West South Central</b> .....	<b>2,946</b>	<b>1,188</b>	<b>1,758</b>	<b>1,758</b>	-----	<b>1,333</b>	<b>197</b>	<b>229</b>	<b>3,166</b>	<b>2,306</b>
Arkansas.....	947	516	431	431	-----	429	-----	2	886	586
Louisiana.....	594	-----	594	594	-----	579	-----	16	424	424
Oklahoma.....	436	200	236	236	-----	129	-----	107	467	267
Texas.....	969	472	497	497	-----	196	197	104	1,388	1,028
<b>Mountain</b> .....	<b>2,160</b>	<b>812</b>	<b>1,349</b>	<b>996</b>	<b>351</b>	<b>1,267</b>	<b>16</b>	<b>68</b>	<b>1,483</b>	<b>1,116</b>
Montana.....	160	5	155	103	52	153	-----	2	146	139
Idaho.....	373	104	269	263	6	239	-----	31	230	204
Wyoming.....	241	104	137	136	1	131	6	-----	203	98
Colorado.....	407	112	295	69	226	269	-----	27	286	125
New Mexico.....	482	408	74	69	5	72	-----	2	153	138
Arizona.....	117	38	79	74	5	64	10	5	92	84
Utah.....	180	30	150	132	18	149	-----	1	121	121
Nevada.....	200	11	190	152	38	190	-----	-----	252	206
<b>Pacific</b> .....	<b>1,303</b>	<b>111</b>	<b>1,190</b>	<b>1,104</b>	<b>66</b>	<b>1,073</b>	<b>15</b>	<b>108</b>	<b>1,010</b>	<b>749</b>
Washington.....	127	30	96	91	5	77	6	13	338	287
Oregon.....	910	81	829	789	40	816	-----	13	283	204
California.....	265	-----	265	224	41	180	9	76	389	267

<sup>1</sup> Data are for July 1 to Dec. 31.

Source: Bureau of Public Roads, Department of Agriculture.

### No. 887.—EXPENDITURES FOR RURAL HIGHWAYS BY OR UNDER SUPERVISION OF STATE HIGHWAY DEPARTMENTS, INCLUDING FEDERAL AID

[NOTE.—Figures include expenditures, whether from current revenues or the proceeds of loans, for construction, maintenance, and interest and principal payments on highway bonds.]

Division and State	Year in which first State aid law passed	1904	1914	1918	1919	1921	1922	1923	1924	1925
Thousands of dollars										
United States		2,650	94,321	66,361	106,661	412,242	422,897	447,363	606,666	649,125
New England		1,090	2,967	10,441	11,048	56,768	25,730	31,603	28,329	32,289
Maine		45	467	1,570	1,739	7,372	5,656	6,149	6,960	7,106
New Hampshire	1903	44	492	662	1,361	2,390	2,584	2,903	3,848	4,027
Vermont	1898	127	458	778	901	951	2,132	2,880	2,832	3,618
Massachusetts	1892	576	242	3,522	3,620	7,864	7,000	10,514	13,240	12,891
Rhode Island	1902	79		746	1,132	2,213	1,768	2,062	2,770	3,046
Connecticut	1895	219	1,307	3,173	2,293	5,998	6,599	6,915	8,690	8,612
Middle Atlantic		1,434	11,827	19,233	36,754	101,477	95,697	72,516	112,079	135,003
New York	1896	1,066	8,644	9,433	13,714	36,857	24,533	38,128	42,258	49,369
New Jersey	1891	250	1,307	1,849	6,320	15,608	23,969	12,032	21,486	23,039
Pennsylvania	1903	128	1,977	8,042	16,719	49,012	37,199	23,156	46,333	62,294
East North Central			4,282	2,287	16,717	66,512	92,150	76,834	116,009	118,903
Ohio	1904		1,856	4,670	4,604	15,547	21,816	12,876	27,090	24,046
Indiana	1917				401	8,110	6,475	9,276	14,920	14,516
Illinois	1906		388	961	4,404	16,693	26,385	30,994	40,851	36,376
Michigan	1905		657	1,704	4,246	16,744	27,355	15,586	24,270	36,139
Wisconsin	1911		1,482	2,061	3,063	12,417	16,119	8,102	8,882	7,785
West North Central			1,670	3,086	6,666	47,144	64,030	64,700	81,643	84,876
Minnesota	1905		1,310	1,870	2,691	7,480	20,675	10,853	16,762	17,963
Iowa	1904		74	113	614	16,276	16,272	17,980	17,911	14,106
Missouri	1907		277	704	684	4,727	6,399	19,589	26,107	31,544
North Dakota	1909			83	233	1,030	2,469	1,062	21,844	1,862
South Dakota	1911			30	319	4,738	4,361	2,466	5,506	6,378
Nebraska	1911			201	1,096	4,636	3,956	5,775	6,804	5,504
Kansas	1911		9	25	48	6,068	8,479	6,955	6,636	7,407
South Atlantic		14	918	4,408	7,217	51,161	50,592	79,792	99,992	103,836
Delaware	1903	14	31	430	1,147	3,765	2,898	3,748	3,658	3,463
Maryland	1898		357	2,691	2,237	7,616	5,181	7,762	12,726	12,026
Virginia	1906		324	861	2,262	7,114	8,486	9,849	14,611	14,072
West Virginia	1909			172	480	1,877	8,703	15,645	14,124	16,139
North Carolina	1901		5	20	1,010	15,100	12,537	28,149	34,733	32,586
South Carolina	1917			49	80	3,941	5,861	4,622	5,867	6,155
Georgia	1908			15		9,664	3,350	5,475	7,361	7,962
Florida	1915			180	( <sup>2</sup> )	2,103	3,576	4,623	6,949	8,484
East South Central			188	1,516	1,896	16,621	17,563	19,588	36,975	45,008
Kentucky	1912		18	1,000	926	5,757	5,568	6,437	15,470	14,910
Tennessee	1915			403	794	6,328	6,073	4,158	8,400	14,479
Alabama	1911		170	102	65	1,036	3,601	5,117	7,779	10,557
Mississippi	1915			10	40	3,500	2,311	2,876	5,321	4,795
West South Central			276	1,747	3,560	33,952	26,243	40,029	51,925	52,733
Arkansas	1913		115	222	585	7,050	8,414	11,924	11,244	11,284
Louisiana	1910		161	182	( <sup>3</sup> )	5,347	4,456	6,082	8,843	8,001
Oklahoma	1911			1,047	2,125	4,775	5,150	5,731	6,688	12,105
Texas	1917			290	650	16,776	8,223	16,293	25,230	27,987
Mountain			638	4,618	6,870	28,002	24,512	24,747	30,151	27,367
Montana	1913		14	134	397	3,640	1,998	1,454	1,788	1,257
Idaho	1905		60	491	850	4,863	2,641	2,534	2,585	2,600
Wyoming	1911			68	771	3,701	1,965	3,877	4,805	4,975
Colorado	1909		301	800	1,773	4,156	7,102	5,741	6,461	5,740
New Mexico	1909		116	527	839	3,713	3,506	4,205	4,609	3,323
Arizona	1909			976	1,451	2,948	3,667	2,884	3,071	2,443
Utah	1909		158	1,347	2,445	3,391	2,233	2,700	3,427	4,124
Nevada	1911			75	342	1,590	1,450	2,343	3,114	3,006
Pacific		11	1,354	11,984	15,386	32,598	37,390	37,854	38,541	41,496
Washington	1905		1,343	2,922	2,805	9,970	7,986	7,109	7,671	7,846
Oregon	1913		11	2,121	5,923	18,246	10,767	10,786	19,360	15,553
California	1895	11		6,941	6,568	11,380	18,646	19,899	21,509	18,091

<sup>1</sup> Data for 1918 not available. State expenditures shown are for 1917.

<sup>2</sup> Excludes State bridge fund receipts and disbursements.

<sup>3</sup> Data not available.

<sup>4</sup> Excludes expenditures on forest-aid roads, also on market roads for Oregon.

Source: Bureau of Public Roads, Department of Agriculture.



**No. 388.—EXPENDITURES FOR RURAL HIGHWAYS: CONSOLIDATED DATA FOR ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS (APPROXIMATE)**

[NOTE.—All figures in thousands of dollars. For the items entering into the totals see Table 300.]

Division and State	1904	1914	1919	1921	1922	1923	1924	1925	Estimated expenditures, 1926
<b>United States</b> .....	69,527	240,364	339,456	1,036,568	898,252	996,781	1,181,321	1,288,940	1,030,287
<b>New England</b> .....	7,356	15,438	25,463	45,361	38,049	40,381	43,353	63,080	66,114
Maine.....	1,472	2,642	4,525	8,702	9,138	8,684	10,460	11,003	12,883
New Hampshire.....	873	1,590	2,882	3,699	3,984	4,288	5,311	5,569	5,050
Vermont.....	567	1,024	2,140	2,150	2,882	3,090	3,502	4,603	4,230
Massachusetts.....	2,871	6,092	10,225	19,536	10,600	12,161	14,740	26,881	25,000
Rhode Island.....	377	440	1,847	2,828	2,356	2,878	3,082	3,894	4,665
Connecticut.....	1,195	3,641	3,844	8,446	9,079	9,341	11,259	11,021	10,285
<b>Middle Atlantic</b> .....	13,100	40,866	67,690	160,471	156,923	130,195	176,615	247,543	169,641
New York.....	3,938	23,232	24,448	57,025	46,940	52,422	66,658	99,323	62,391
New Jersey.....	3,275	7,208	15,320	28,096	33,232	20,116	26,624	55,470	31,200
Pennsylvania.....	4,887	10,425	28,222	75,350	76,711	57,587	83,333	102,494	76,050
<b>East North Central</b> .....	13,800	56,445	63,631	267,968	229,737	254,123	284,978	260,899	230,070
Ohio.....	4,776	14,334	18,213	76,560	47,616	62,676	76,035	73,626	45,500
Indiana.....	3,438	14,234	16,702	54,502	40,167	54,525	62,502	49,991	53,200
Illinois.....	3,844	8,735	16,524	39,619	48,092	55,451	51,431	45,154	66,200
Michigan.....	1,817	9,262	16,525	56,573	53,952	37,691	52,614	60,847	33,500
Wisconsin.....	1,924	9,860	13,637	41,714	39,911	43,580	41,696	31,281	31,670
<b>West North Central</b> .....	7,455	33,130	64,779	143,866	129,494	152,413	184,106	176,603	149,269
Minnesota.....	1,607	6,459	13,223	38,790	32,196	35,327	42,981	44,352	29,000
Iowa.....	2,344	10,188	16,773	39,325	32,058	34,938	36,946	33,161	29,584
Missouri.....	1,571	5,513	7,724	16,128	18,399	31,177	42,717	41,224	40,076
North Dakota.....	456	2,402	6,236	7,247	5,364	5,751	6,080	6,210	8,950
South Dakota.....	269	1,216	4,344	14,189	11,651	10,106	13,347	13,056	8,600
Nebraska.....	495	1,796	5,351	10,628	8,955	14,246	19,023	16,041	15,000
Kansas.....	693	5,544	11,027	22,670	20,875	20,969	23,001	22,560	19,072
<b>South Atlantic</b> .....	4,630	24,429	36,456	109,657	88,959	161,858	180,067	192,368	133,147
Delaware.....	91	512	1,904	6,036	3,797	5,432	4,892	6,161	3,820
Maryland.....	873	6,001	6,965	10,298	7,409	12,945	10,356	15,553	10,316
Virginia.....	688	3,235	5,140	15,485	14,966	18,849	24,287	22,578	12,896
West Virginia.....	588	2,484	5,290	10,060	12,300	25,665	27,084	29,028	19,750
North Carolina.....	624	5,215	6,717	26,324	23,037	43,148	50,763	46,799	26,000
South Carolina.....	334	1,024	2,435	10,049	9,001	9,437	12,108	19,652	8,040
Georgia.....	896	3,686	6,917	15,817	8,360	16,506	25,675	20,940	20,325
Florida.....	437	2,260	(1)	9,588	10,076	19,876	18,903	31,608	32,000
<b>East South Central</b> .....	3,608	12,765	12,974	61,256	50,163	56,660	72,383	97,016	63,150
Kentucky.....	1,161	2,475	3,602	12,623	12,706	15,647	24,397	22,118	22,000
Tennessee.....	729	2,371	4,468	12,697	11,243	14,565	18,167	31,124	27,000
Alabama.....	378	3,949	1,812	5,608	7,401	14,503	15,764	18,800	21,900
Mississippi.....	340	3,960	2,890	20,306	17,811	14,147	17,066	24,912	12,250
<b>West South Central</b> .....	4,018	15,333	22,524	103,220	89,160	78,826	106,791	113,210	97,760
Arkansas.....	662	1,523	9,381	21,211	11,943	15,484	20,474	22,360	18,560
Louisiana.....	346	1,778	(1)	14,022	12,585	15,142	18,077	18,557	16,250
Oklahoma.....	447	2,112	9,052	14,680	16,390	14,196	18,840	28,308	22,000
Texas.....	2,544	9,920	14,092	53,907	54,223	34,075	51,390	43,985	44,000
<b>Mountain</b> .....	1,528	9,454	25,143	68,156	39,084	44,290	46,392	46,090	34,132
Montana.....	309	2,868	2,583	10,383	3,449	4,892	3,593	4,520	2,360
Idaho.....	202	1,371	4,300	11,907	4,442	5,908	5,585	7,597	4,337
Wyoming.....	74	670	1,915	4,725	2,644	4,751	5,785	4,660	3,100
Colorado.....	635	1,938	4,296	9,049	9,722	10,675	11,639	10,530	9,550
New Mexico.....	35	556	1,584	4,259	4,066	3,659	5,173	3,769	3,756
Arizona.....	66	963	4,018	10,648	9,047	7,192	4,843	4,043	4,830
Utah.....	158	803	5,545	5,175	3,763	4,209	5,127	7,274	4,141
Nevada.....	47	345	902	3,111	1,950	2,844	3,647	3,712	2,070
<b>Pacific</b> .....	4,152	22,427	41,506	94,051	76,768	85,908	81,514	92,306	71,000
Washington.....	1,345	7,945	11,616	24,239	16,946	17,239	10,671	15,710	14,000
Oregon.....	650	5,310	10,391	27,969	15,757	19,941	15,260	28,928	14,000
California.....	2,157	19,172	19,497	41,823	44,025	48,674	49,483	47,668	37,000

Data not available.

Source: Bureau of Public Roads, Department of Agriculture.

### No. 389.—FUNDS AVAILABLE FOR RURAL ROAD PURPOSES: CONSOLIDATED DATA FOR ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS, 1925

[NOTE.—All figures except percentages in thousands of dollars. Funds are those available for the purposes indicated in Table 390]

Division and State	Total	Pro-ceeds of bonds	Per cent of total	Federal aid post-road funds <sup>1</sup>	Per cent of total	Motor vehicle fees and gasoline taxes	Per cent of total	Other taxes and appropriations	Per cent of total	All other sources <sup>2</sup>	Per cent of total
<b>United States</b>	<b>1,560,994</b>	<b>263,815</b>	<b>16.9</b>	<b>95,190</b>	<b>5.9</b>	<b>380,553</b>	<b>23.1</b>	<b>467,705</b>	<b>29.0</b>	<b>354,741</b>	<b>22.7</b>
<b>New England</b>	<b>78,583</b>	<b>1,064</b>	<b>1.4</b>	<b>3,177</b>	<b>4.0</b>	<b>25,095</b>	<b>31.9</b>	<b>29,340</b>	<b>35.9</b>	<b>20,991</b>	<b>26.7</b>
Maine	12,382	911	7.4	320	2.6	3,381	27.3	4,003	32.6	2,868	23.2
New Hampshire	6,009	—	—	432	8.5	2,313	35.0	1,558	25.9	2,207	34.9
Vermont	5,044	—	—	389	7.7	1,917	38.0	1,352	26.8	1,386	27.5
Massachusetts	25,630	—	—	949	3.0	8,735	33.6	14,566	50.9	4,479	15.6
Rhode Island	4,920	173	3.5	308	6.3	2,037	41.4	1,344	27.3	1,059	21.5
Connecticut	21,003	—	—	879	4.2	6,712	32.0	4,519	21.5	8,892	42.3
<b>Middle Atlantic</b>	<b>312,906</b>	<b>77,521</b>	<b>24.7</b>	<b>13,840</b>	<b>4.4</b>	<b>69,315</b>	<b>18.9</b>	<b>66,609</b>	<b>21.6</b>	<b>76,312</b>	<b>24.4</b>
New York	120,506	4,356	3.8	0,036	5.0	18,539	15.4	46,837	38.8	44,619	37.0
New Jersey	65,017	25,630	39.7	2,438	3.7	13,296	20.4	14,669	22.6	8,814	13.6
Pennsylvania	127,713	47,155	36.9	5,166	4.0	27,510	21.5	25,003	19.6	22,879	17.9
<b>East North Central</b>	<b>315,964</b>	<b>69,002</b>	<b>18.7</b>	<b>13,308</b>	<b>4.4</b>	<b>66,401</b>	<b>21.1</b>	<b>108,845</b>	<b>33.9</b>	<b>73,058</b>	<b>23.1</b>
Ohio	92,109	8,202	9.0	2,688	2.9	17,912	19.4	35,501	38.5	27,716	30.1
Indiana	60,761	9,947	16.4	3,619	6.0	9,302	15.3	25,023	41.2	12,870	21.2
Illinois	50,736	23,533	46.4	2,718	5.4	13,051	25.7	9,049	17.8	2,386	4.7
Michigan	71,009	12,230	17.2	3,608	5.1	20,650	29.1	14,243	20.1	20,277	28.6
Wisconsin	40,649	5,000	12.3	1,325	3.3	5,480	13.5	20,029	49.3	8,800	21.7
<b>West North Central</b>	<b>309,853</b>	<b>39,798</b>	<b>14.9</b>	<b>14,364</b>	<b>6.9</b>	<b>54,188</b>	<b>23.8</b>	<b>74,550</b>	<b>35.4</b>	<b>37,952</b>	<b>17.8</b>
Minnesota	50,752	12,597	24.8	2,082	4.1	12,819	25.3	17,062	33.4	5,292	10.4
Iowa	41,214	180	.4	1,262	3.1	11,193	27.2	15,780	38.3	12,796	31.0
Missouri	46,505	15,558	33.5	4,080	8.8	11,501	24.7	8,500	18.0	6,557	14.1
North Dakota	6,247	—	—	909	14.6	724	11.6	3,526	56.4	1,087	17.4
South Dakota	13,654	155	1.1	1,710	12.5	4,235	31.0	6,436	47.1	1,118	8.2
Nebraska	20,983	—	—	1,907	9.1	6,399	30.5	8,211	39.1	4,465	21.3
Kansas	30,497	1,236	4.1	2,405	7.9	7,285	23.9	13,635	44.7	5,937	19.5
<b>South Atlantic</b>	<b>237,716</b>	<b>59,739</b>	<b>25.1</b>	<b>10,976</b>	<b>4.6</b>	<b>47,188</b>	<b>19.9</b>	<b>65,354</b>	<b>25.3</b>	<b>64,458</b>	<b>27.1</b>
Delaware	7,271	2,866	39.4	354	4.9	1,095	15.1	1,235	17.0	1,720	23.7
Maryland	17,145	2,700	15.7	793	4.6	3,441	20.1	0,158	35.9	4,053	23.6
Virginia	24,491	1,037	4.2	1,879	7.7	7,348	30.0	7,516	30.7	6,711	27.4
West Virginia	40,832	12,860	31.5	855	2.1	5,744	14.1	7,612	18.6	13,755	33.7
North Carolina	49,503	21,228	42.9	1,987	4.0	9,478	19.1	11,300	22.8	5,510	11.1
South Carolina	23,772	2,079	8.7	1,396	5.9	5,319	22.4	2,244	9.4	12,714	53.6
Georgia	22,809	941	4.1	2,031	11.5	5,524	24.2	9,490	41.6	4,223	18.5
Florida	51,893	16,025	30.9	1,081	2.1	9,247	17.8	9,709	18.9	15,742	30.3
<b>East South Central</b>	<b>190,869</b>	<b>24,849</b>	<b>12.9</b>	<b>8,311</b>	<b>4.3</b>	<b>21,001</b>	<b>11.0</b>	<b>29,588</b>	<b>15.5</b>	<b>37,406</b>	<b>19.6</b>
Kentucky	17,357	1,000	5.8	1,849	10.7	6,571	37.9	6,316	36.4	1,592	9.2
Tennessee	47,700	12,916	27.1	2,373	5.0	6,274	13.2	6,917	14.5	19,219	40.3
Alabama	22,058	7,201	32.6	2,331	10.6	4,147	18.8	3,959	17.9	4,421	20.0
Mississippi	33,737	4,533	13.5	1,658	4.9	4,009	11.9	12,364	36.6	12,174	36.1
<b>West South Central</b>	<b>132,498</b>	<b>23,840</b>	<b>17.9</b>	<b>11,550</b>	<b>8.7</b>	<b>41,374</b>	<b>31.2</b>	<b>36,102</b>	<b>26.9</b>	<b>18,631</b>	<b>14.1</b>
Arkansas	25,200	2,300	9.1	1,840	7.3	9,650	38.3	8,700	34.5	2,710	10.4
Louisiana	22,278	6,340	28.5	793	3.6	5,700	25.6	5,200	23.3	4,246	19.1
Oklahoma	34,608	5,400	15.6	3,304	9.5	9,541	27.6	7,702	22.3	9,561	27.6
Texas	50,410	9,700	19.2	5,613	11.1	16,483	32.7	15,500	30.7	2,114	4.2
<b>Mountain</b>	<b>52,687</b>	<b>1,969</b>	<b>3.7</b>	<b>10,339</b>	<b>19.6</b>	<b>11,431</b>	<b>21.7</b>	<b>15,650</b>	<b>29.7</b>	<b>13,308</b>	<b>25.3</b>
Montana	5,387	105	1.9	758	14.1	1,109	21.7	1,865	34.6	1,490	27.7
Idaho	9,308	664	7.1	1,142	12.3	2,009	22.2	2,402	25.8	3,090	32.6
Wyoming	4,781	—	—	1,418	29.6	954	20.0	1,982	41.5	429	9.0
Colorado	12,442	1,087	8.7	1,444	11.6	2,794	22.5	3,803	30.6	3,314	26.6
New Mexico	4,380	—	—	1,917	43.8	886	20.2	1,224	27.9	353	8.1
Arizona	4,760	—	—	710	14.9	1,238	26.0	1,568	32.9	1,244	26.1
Utah	8,061	13	.2	1,209	15.0	1,777	22.0	2,281	28.3	2,782	34.5
Nevada	3,570	100	2.8	1,736	48.6	544	15.2	525	14.7	666	18.7
<b>Pacific</b>	<b>100,941</b>	<b>9,293</b>	<b>9.2</b>	<b>5,973</b>	<b>5.9</b>	<b>34,579</b>	<b>34.3</b>	<b>36,069</b>	<b>35.7</b>	<b>14,328</b>	<b>14.3</b>
Washington	16,461	1,329	8.1	1,216	7.4	6,806	41.4	5,418	32.9	1,691	10.3
Oregon	30,877	4,949	16.0	1,857	6.0	8,139	26.4	9,672	31.3	6,280	20.3
California	52,603	3,016	5.7	2,900	5.5	19,632	37.1	20,999	39.7	6,357	12.0

<sup>1</sup> For road and bridge purposes under supervision of State highway departments only

<sup>2</sup> Includes balance from previous year, miscellaneous income, and funds transferred.

Source: Bureau of Public Roads, Department of Agriculture.

# No. 390.—DISTRIBUTION OF EXPENDITURES FOR ALL RURAL ROAD PURPOSES, 1925: ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS

[All figures except percentages in thousands of dollars]

Division and State	Total	Construction roads and bridges	Per cent of total	Maintenance roads and bridges	Per cent of total	Administration and engineering <sup>1</sup>	Per cent of total	Principal and interest on highway bonds	Per cent of total	Equipment and miscellaneous <sup>2</sup>	Per cent of total
<b>United States</b>	<b>1,385,940</b>	<b>651,933</b>	<b>50.6</b>	<b>315,977</b>	<b>24.5</b>	<b>40,703</b>	<b>3.2</b>	<b>175,415</b>	<b>13.7</b>	<b>104,012</b>	<b>8.1</b>
<b>New England</b>	<b>63,080</b>	<b>29,583</b>	<b>48.9</b>	<b>25,746</b>	<b>40.8</b>	<b>2,148</b>	<b>3.4</b>	<b>1,579</b>	<b>2.5</b>	<b>4,084</b>	<b>6.4</b>
Maine	11,003	4,068	37.0	5,582	50.7	240	2.2	553	5.0	569	5.1
New Hampshire	5,589	1,838	32.9	3,438	61.5	87	1.6			296	4.0
Vermont	4,093	2,549	54.3	1,671	35.6	100	2.1			374	8.0
Massachusetts	26,881	15,817	58.8	7,804	29.0	1,021	3.8	766	2.8	1,472	5.5
Rhode Island	3,894	1,049	26.9	1,994	51.2	352	9.0	260	6.7	239	6.1
Connecticut	11,021	4,202	38.7	5,257	47.7	348	3.2			1,154	10.5
<b>Middle Atlantic</b>	<b>247,248</b>	<b>122,329</b>	<b>49.5</b>	<b>48,580</b>	<b>19.6</b>	<b>8,858</b>	<b>3.5</b>	<b>42,890</b>	<b>17.3</b>	<b>34,913</b>	<b>10.1</b>
New York	89,383	46,165	51.6	14,264	16.0	3,086	3.5	10,569	11.8	15,300	17.1
New Jersey	55,470	14,989	30.6	6,462	11.8	1,810	3.3	24,444	44.1	5,765	10.4
Pennsylvania	102,494	59,174	57.7	27,854	27.2	3,762	3.7	7,877	7.7	3,848	3.8
<b>East North Central</b>	<b>290,589</b>	<b>145,963</b>	<b>53.7</b>	<b>55,437</b>	<b>21.8</b>	<b>5,500</b>	<b>2.1</b>	<b>42,108</b>	<b>14.1</b>	<b>12,691</b>	<b>4.8</b>
Ohio	73,626	34,074	48.3	22,729	30.9	744	1.0	14,164	19.3	1,914	2.6
Indiana	49,991	21,290	42.5	11,549	23.1	551	1.1	15,422	30.8	1,210	2.4
Illinois	45,154	32,532	72.0	5,844	12.9	1,812	4.0	3,981	8.8	984	2.3
Michigan	60,847	36,285	59.6	6,787	11.2	1,009	2.6	6,538	14.0	7,629	12.5
Wisconsin	31,281	21,114	67.5	8,529	27.3	784	2.5			854	2.7
<b>West North Central</b>	<b>176,603</b>	<b>113,600</b>	<b>64.4</b>	<b>37,888</b>	<b>21.5</b>	<b>7,183</b>	<b>4.1</b>	<b>9,270</b>	<b>5.0</b>	<b>11,481</b>	<b>6.5</b>
Minnesota	44,352	22,689	51.2	13,165	29.7	1,819	4.1	2,131	4.8	4,549	10.3
Iowa	33,161	14,270	43.0	12,425	37.5	1,232	3.7	906	2.9	4,267	12.9
Missouri	41,224	32,615	79.1	3,126	7.6	1,986	4.8	2,190	5.3	1,307	3.2
North Dakota	6,210	4,881	78.6	705	11.4	389	6.2			234	3.8
South Dakota	13,056	9,605	73.6	1,858	14.2	551	4.2	614	4.7	428	3.3
Nebraska	16,041	11,253	70.2	3,373	21.0	349	2.2	800	5.0	696	4.3
Kansas	22,560	18,487	81.9	3,236	14.3	897	3.7				
<b>South Atlantic</b>	<b>192,369</b>	<b>94,043</b>	<b>49.4</b>	<b>42,102</b>	<b>21.9</b>	<b>8,068</b>	<b>3.5</b>	<b>30,399</b>	<b>15.8</b>	<b>15,299</b>	<b>8.5</b>
Delaware	6,161	3,041	49.4	461	7.5	101	1.6	952	15.5	1,006	16.1
Maryland	15,553	6,177	39.7	5,160	33.2	243	1.6	3,766	24.2	207	1.3
Virginia	22,578	13,943	61.8	5,652	25.0	313	1.4	1,500	7.0	1,080	4.8
West Virginia	29,098	15,419	53.0	4,791	16.5	1,166	4.0	6,790	23.2	902	3.1
North Carolina	46,799	23,962	51.2	7,554	16.1	2,199	4.7	8,368	17.9	4,716	10.1
South Carolina	19,652	8,038	40.9	4,938	25.1	723	3.7	2,090	10.7	3,856	19.6
Georgia	20,940	6,518	31.1	7,587	36.2	1,033	4.9	1,685	8.0	4,118	19.7
Florida	31,608	17,850	56.5	5,959	18.9	908	2.9	5,146	16.3	1,745	5.5
<b>East South Central</b>	<b>97,015</b>	<b>43,099</b>	<b>44.4</b>	<b>27,904</b>	<b>28.9</b>	<b>2,918</b>	<b>3.0</b>	<b>12,862</b>	<b>13.3</b>	<b>10,139</b>	<b>10.6</b>
Kentucky	22,118	12,341	55.8	7,383	33.4	568	2.6	990	4.5	826	3.8
Tennessee	31,124	12,560	40.4	6,447	20.7	1,289	4.1	3,751	12.1	7,076	22.7
Alabama	18,880	9,432	50.0	4,429	23.5	835	4.4	2,984	15.8	1,180	6.3
Mississippi	24,912	8,766	35.2	9,735	39.1	226	.9	5,137	20.6	1,047	4.2
<b>West South Central</b>	<b>112,210</b>	<b>41,753</b>	<b>36.9</b>	<b>34,966</b>	<b>30.9</b>	<b>2,684</b>	<b>2.4</b>	<b>18,206</b>	<b>16.1</b>	<b>15,810</b>	<b>13.8</b>
Arkansas	22,300	4,932	22.1	2,000	13.4	480	2.1	5,900	25.9	8,148	36.4
Louisiana	18,557	7,764	41.8	4,888	26.3	364	2.0	3,006	16.2	2,535	13.7
Oklahoma	28,306	10,949	38.7	11,673	41.2	694	2.5	1,400	4.9	3,591	12.7
Texas	43,965	18,108	41.2	15,395	35.0	1,146	2.6	8,000	18.2	1,336	3.0
<b>Mountain</b>	<b>46,090</b>	<b>24,260</b>	<b>52.7</b>	<b>12,949</b>	<b>28.1</b>	<b>1,782</b>	<b>3.8</b>	<b>2,691</b>	<b>7.9</b>	<b>3,478</b>	<b>7.5</b>
Montana	4,520	1,634	36.0	2,106	46.6	290	6.2	248	5.5	222	5.1
Idaho	7,597	4,789	63.0	1,883	24.8	266	3.5	467	6.4	172	2.3
Wyoming	4,650	2,415	51.9	955	20.5	217	4.7	646	13.9	418	9.0
Colorado	10,530	4,630	44.0	3,396	32.3	250	2.4	978	9.3	1,264	12.0
New Mexico	3,769	2,258	59.9	944	25.0	160	4.3	134	3.6	272	7.2
Arizona	4,048	2,048	50.6	1,379	34.1	352	8.7			260	6.6
Utah	7,274	3,949	54.3	1,731	23.9	59	.8	900	12.4	635	8.7
Nevada	3,712	2,637	71.3	553	14.9	178	4.8	228	6.1	216	6.8
<b>Pacific</b>	<b>92,908</b>	<b>36,873</b>	<b>39.8</b>	<b>30,943</b>	<b>33.3</b>	<b>2,184</b>	<b>2.4</b>	<b>18,515</b>	<b>20.1</b>	<b>3,489</b>	<b>3.8</b>
Washington	15,710	7,255	46.2	4,766	30.3	719	4.6	2,313	14.7	657	4.2
Oregon	28,928	12,631	47.1	4,936	17.1	661	2.3	7,494	25.9	2,306	7.6
California	47,665	15,989	33.5	20,540	43.1	1,804	3.8	8,709	18.3	626	1.3

<sup>1</sup> Includes county overhead expenses when reported.

<sup>2</sup> Includes \$22,315,117 transferred to State.

<sup>3</sup> Includes \$1,117,344 expended on Federal aid forest roads.

Source: Bureau of Public Roads, Department of Agriculture.

# No. 391.—HIGHWAY CONSTRUCTION UNDER FEDERAL AID: STATUS AS OF DECEMBER 31, 1927

(Total cost and Federal aid expressed in thousands of dollars)

Division and State	Projects completed prior to Jan. 1, 1928			Projects under construction <sup>1</sup>			Projects approved for construction			Federal aid fund available for new projects
	Total cost	Federal aid	Miles	Total cost	Federal aid	Miles	Total cost	Federal aid	Miles	
<b>Grand total<sup>2</sup></b>	<b>1,940,308</b>	<b>548,399</b>	<b>64,680</b>	<b>353,497</b>	<b>146,687</b>	<b>13,433</b>	<b>34,761</b>	<b>12,896</b>	<b>1,413</b>	<b>110,808</b>
<b>New England</b>	<b>69,437</b>	<b>23,769</b>	<b>1,560</b>	<b>19,189</b>	<b>6,811</b>	<b>344</b>	<b>1,408</b>	<b>391</b>	<b>39</b>	<b>6,732</b>
Maine	11,653	5,302	398	2,198	746	55	88	44	6	1,735
New Hampshire	6,176	2,924	275	1,346	583	39	61	28	2	370
Vermont	6,480	2,921	181	1,940	683	44				306
Massachusetts	21,444	7,584	420	6,742	1,868	115	218	89	8	2,748
Rhode Island	5,934	2,226	131	1,250	337	31	566	183	9	684
Connecticut	7,750	2,812	155	5,718	1,597	70	435	62	6	789
<b>Middle Atlantic</b>	<b>164,089</b>	<b>53,646</b>	<b>3,506</b>	<b>67,480</b>	<b>17,406</b>	<b>1,069</b>	<b>6,866</b>	<b>1,404</b>	<b>98</b>	<b>12,300</b>
New York	57,743	22,997	1,521	44,347	10,788	671	3,689	721	46	6,907
New Jersey	25,924	8,472	361	4,076	852	56	236	77	6	935
Pennsylvania	80,922	27,276	1,604	19,067	5,766	362	2,941	606	40	4,358
<b>East North Central</b>	<b>183,600</b>	<b>53,762</b>	<b>8,938</b>	<b>68,865</b>	<b>31,050</b>	<b>9,064</b>	<b>7,833</b>	<b>3,946</b>	<b>207</b>	<b>17,607</b>
Ohio	55,750	20,719	1,620	11,663	4,492	303	2,723	1,064	81	4,977
Indiana	23,822	11,451	746	17,491	8,386	534	920	265	33	1,951
Illinois	48,947	22,972	1,546	16,971	7,590	534	2,144	1,073	78	4,485
Michigan	34,057	15,261	1,108	14,425	6,435	375	1,304	495	34	2,565
Wisconsin	30,924	13,338	1,878	9,435	4,147	318	140	49	3	3,639
<b>West North Central</b>	<b>231,720</b>	<b>109,345</b>	<b>18,479</b>	<b>90,619</b>	<b>36,138</b>	<b>4,293</b>	<b>3,338</b>	<b>1,114</b>	<b>287</b>	<b>12,548</b>
Minnesota	50,822	21,023	3,881	3,185	609	211	292	6	14	2,187
Iowa	38,040	16,227	2,744	12,460	5,308	357	811	153	11	1,883
Missouri	45,321	20,916	2,044	8,171	3,592	264	366	123	24	2,905
North Dakota	18,540	9,278	3,083	4,668	2,301	718	530	238	113	1,320
South Dakota	19,557	9,666	2,559	4,965	2,626	773	374	143	55	1,176
Nebraska	19,801	9,490	2,594	12,448	6,141	1,322	542	268	50	1,906
Kansas	39,639	15,745	1,624	14,122	5,556	748	323	129	20	2,171
<b>South Atlantic</b>	<b>181,941</b>	<b>72,661</b>	<b>8,164</b>	<b>38,457</b>	<b>16,369</b>	<b>1,132</b>	<b>2,097</b>	<b>460</b>	<b>50</b>	<b>10,613</b>
Delaware	6,724	2,578	189	934	202	16				366
Maryland	12,137	5,678	493	1,876	913	89				604
Virginia	27,300	12,739	1,183	5,378	2,175	116	26	8	(1)	1,459
West Virginia	12,179	5,272	466	6,613	2,758	234	120	66	7	845
North Carolina	30,864	15,249	1,523	3,367	1,563	92	185	91	7	2,244
South Carolina	19,627	8,491	1,625	8,346	2,220	240	979	26	18	1,180
Georgia	37,361	17,669	2,391	5,403	2,658	175				2,064
Florida	10,349	5,015	284	6,640	2,850	170	778	270	18	1,751
<b>East South Central</b>	<b>90,994</b>	<b>42,999</b>	<b>4,657</b>	<b>33,559</b>	<b>16,526</b>	<b>1,469</b>	<b>2,058</b>	<b>863</b>	<b>129</b>	<b>8,171</b>
Kentucky	24,194	9,970	926	9,809	4,625	421	71	35	6	1,422
Tennessee	26,214	12,424	909	9,109	3,785	341	1,183	516	54	1,782
Alabama	20,519	9,840	1,414	8,099	4,179	507	812	256	40	3,110
Mississippi	20,067	9,865	1,408	6,072	2,937	326	292	146	30	1,797
<b>West South Central</b>	<b>155,990</b>	<b>66,518</b>	<b>9,797</b>	<b>26,117</b>	<b>11,613</b>	<b>1,066</b>	<b>9,012</b>	<b>3,966</b>	<b>359</b>	<b>12,621</b>
Arkansas	22,389	9,651	1,561	4,637	2,063	211				2,554
Louisiana	17,065	7,646	1,224	3,879	1,762	140	1,604	632	54	1,066
Oklahoma	31,172	14,497	1,278	5,366	2,348	341	2,140	1,078	124	1,638
Texas	85,364	34,824	5,734	12,215	5,440	374	5,206	2,075	181	7,267
<b>Mountain</b>	<b>104,729</b>	<b>61,181</b>	<b>8,841</b>	<b>24,430</b>	<b>10,890</b>	<b>1,612</b>	<b>1,735</b>	<b>691</b>	<b>179</b>	<b>19,818</b>
Montana	13,233	7,576	1,202	3,833	2,633	302	1,241	699	132	5,650
Idaho	14,654	7,979	943	2,244	1,353	145	90	50	11	1,047
Wyoming	13,834	7,867	1,360	2,459	1,554	243	61	39	20	949
Colorado	15,589	7,963	830	7,073	3,467	265	36	20	3	3,619
New Mexico	13,977	8,398	1,538	3,205	2,620	215				2,461
Arizona	12,435	6,894	817	1,098	824	66	35	17	(1)	3,990
Utah	10,009	6,395	700	2,735	2,065	170	227	35	4	1,048
Nevada	10,996	5,085	621	1,723	1,500	180	47	41	9	1,076
<b>Pacific</b>	<b>76,866</b>	<b>37,122</b>	<b>3,187</b>	<b>13,327</b>	<b>6,311</b>	<b>300</b>	<b>1,908</b>	<b>750</b>	<b>53</b>	<b>8,535</b>
Washington	19,032	8,062	716	3,063	1,401	72	1,657	543	66	1,816
Oregon	19,804	10,163	1,027	2,620	1,376	77	179	72	8	1,642
California	38,060	18,297	1,384	7,606	3,535	151	230	135	9	5,076
<b>Hawaii</b>	<b>504</b>	<b>168</b>	<b>11</b>	<b>1,624</b>	<b>492</b>	<b>25</b>				<b>1,172</b>

<sup>1</sup> Includes projects reported completed (final vouchers not yet paid) totaling: Estimated cost, \$120,481,000; Federal aid, \$53,474,000; miles, 4,016.

<sup>2</sup> Includes Hawaii.

<sup>3</sup> Less than five-tenths of a mile.

Source: Bureau of Public Roads, Department of Agriculture.

## No. 392.—PRODUCTION AND REGISTRATION OF MOTOR VEHICLES

[NOTE.—Figures for earlier years are largely estimates. Beginning with 1921, data include production of plants located in Canada, making motor vehicles of United States design, and foreign assembled cars.]

Year	Production <sup>1</sup>						Registration
	Number			Wholesale value (thousands of dollars)			
	Total	Passenger cars	Motor trucks	Total	Passenger cars	Motor trucks	
1900	5,000	5,000					8,000
1901	7,000	7,000					14,800
1902	9,000	9,000					23,000
1903	11,235	11,235		12,650			32,920
1904 <sup>2</sup>	22,830	22,419	411	24,629	23,682	947	55,000
1906	25,000	24,550	450	45,000			78,000
1906	34,000	33,500	500	62,900			107,000
1907	41,000	43,300	700	93,400			142,000
1908	65,000	63,500	1,500	137,600			197,500
1909 <sup>2</sup>	130,986	127,731	3,255	165,149	159,919	5,230	312,000
1910	187,000	181,000	6,000	225,000	213,000	12,000	468,500
1911	210,000	199,319	10,681	246,000	225,000	21,000	690,500
1912	278,000	356,000	22,000	378,000	335,000	43,000	944,000
1913	485,000	461,500	23,500	443,902	399,902	44,000	1,258,082
1914 <sup>2</sup>	569,064	543,679	25,375	459,958	413,859	45,098	1,711,330
1915	900,930	896,930	74,000	701,778	575,978	125,800	2,445,066
1916	1,617,708	1,525,578	92,130	1,082,378	921,378	161,000	3,512,906
1917	1,873,949	1,745,792	128,157	1,274,488	1,063,806	210,683	4,983,340
1918	1,170,686	943,436	227,250	1,296,107	801,938	494,169	6,146,617
1919	1,933,595	1,657,652	275,943	1,885,113	1,461,786	423,327	7,565,446
1920	2,227,349	1,905,600	321,789	2,232,420	1,809,171	423,249	9,231,941
1921	1,682,365	1,629,165	153,200	1,261,667	1,095,883	165,784	10,463,295
1922	2,690,627	2,430,965	259,662	1,793,023	1,571,589	221,434	12,238,375
1923	4,167,455	3,759,704	407,751	2,592,033	2,282,984	309,049	15,092,177
1924	3,733,492	3,317,586	415,906	2,367,413	2,049,102	318,311	17,593,677
1925	4,437,660	3,896,032	531,628	3,015,164	2,556,419	458,744	19,937,274
1926	4,603,531	3,975,640	527,891	3,214,817	2,758,446	456,371	22,001,393
1927	3,573,671	3,066,018	457,653	2,700,706	2,280,056	421,650	23,127,315

<sup>1</sup> See headnote.

<sup>2</sup> From United States Census reports.

<sup>3</sup> Includes road tractors (excluding farm tractors) not included prior to 1924.

Sources: National Automobile Chamber of Commerce and Bureau of Public Roads.

No. 393.—PRODUCTION OF OPEN AND CLOSED CARS BY PRICE GROUPS IN UNITED STATES AND CANADA<sup>1</sup>

Year	Under \$1,000		\$1,000 to \$2,000		\$2,000 to \$3,000		\$3,000 and over		Per cent closed, all classes
	Open	Closed	Open	Closed	Open	Closed	Open	Closed	
1919.....	288,500	87,900	532,200	46,300	62,900	16,700	23,100	10,100	9.7
1920.....	904,900	213,700	543,300	74,300	63,200	17,800	49,700	14,800	17.0
1921.....	820,100	224,600	287,800	65,000	61,800	30,100	19,500	15,300	22.1
1922.....	1,343,000	431,400	315,400	207,300	11,700	48,200	8,700	32,100	30.0
1923.....	2,074,200	994,100	396,300	221,000	7,700	37,600	2,900	27,300	34.0
1924.....	1,646,700	788,300	203,900	517,000	26,900	93,700	2,800	40,600	43.3
1925.....	1,354,400	1,342,600	268,300	751,900	28,800	115,200	3,500	37,100	57.6
1926.....	892,700	1,898,800	154,000	841,000	25,200	129,900	8,100	24,800	72.8
1927.....	230,100	1,672,500	206,000	716,800	29,700	111,100	5,800	26,100	81.8

<sup>1</sup> Prior to 1923 figures are based only on price of five-passenger open cars of a given chassis. Thus, if this model sold for less than \$1,000, the total production of cars with the same chassis is included in the "under \$1,000" class, even though closed models sold for over \$1,000. In 1923 and later years actual f. o. b. prices of open and closed models are considered separately and the cars included under proper classification.

Sources: Automotive Industries. The grouping is based on retail prices f. o. b. factory.

## No. 894.—MOTOR-VEHICLE PRODUCTION: UNITED STATES AND CANADA

Month	Passenger cars									
	United States					Canada				
	1923	1924	1925	1926	1927	1923	1924	1925	1926	1927
Total.....	3,631,728	3,303,049	3,780,459	3,308,733	2,939,191	129,328	117,765	139,311	165,308	148,870
January.....	222,635	287,417	210,887	277,831	199,650	9,341	9,841	8,501	11,781	11,745
February.....	253,271	336,094	243,237	325,122	264,171	10,910	12,072	10,779	14,761	14,826
March.....	322,459	345,900	327,968	387,670	345,911	13,742	15,194	13,014	17,989	19,723
April.....	338,704	336,814	384,229	389,833	357,009	14,331	14,448	15,516	17,929	20,860
May.....	348,003	279,755	373,349	375,317	357,150	16,705	15,291	18,351	21,429	21,991
June.....	336,751	219,798	358,640	343,706	278,729	13,209	10,757	14,249	18,818	16,470
July.....	298,742	241,322	354,777	319,898	236,868	10,475	8,619	11,140	12,653	8,719
August.....	315,589	254,019	221,594	382,651	274,381	8,742	5,436	7,430	12,778	10,139
September.....	299,154	261,875	267,196	352,202	226,443	8,272	6,588	10,372	13,347	8,681
October.....	334,413	259,838	397,332	292,562	183,042	7,964	6,357	13,921	10,595	6,236
November.....	284,906	204,173	333,176	222,419	109,758	7,402	5,902	8,741	6,774	5,173
December.....	276,502	179,046	283,074	139,850	106,079	7,845	7,200	7,498	4,052	2,277
Motor trucks and busses										
Total.....	388,587	397,689	505,845	480,049	455,097	17,310	17,451	22,078	29,344	32,506
January.....	21,867	31,109	29,705	31,713	39,277	789	1,747	1,565	2,698	2,631
February.....	24,330	34,225	35,340	39,058	40,592	1,139	1,679	1,693	4,077	3,829
March.....	36,320	36,818	46,457	40,900	48,525	1,382	2,040	2,069	4,385	3,527
April.....	39,232	39,044	49,554	51,474	47,736	1,617	1,933	1,376	3,673	3,721
May.....	45,223	37,350	45,918	45,867	46,956	1,906	1,763	1,888	3,505	3,717
June.....	41,807	31,977	39,850	44,192	43,231	1,616	950	1,794	2,933	2,738
July.....	31,297	28,980	42,976	39,587	31,808	1,407	1,107	1,845	2,255	2,268
August.....	31,254	30,630	38,996	43,955	34,438	1,614	880	1,486	2,483	2,387
September.....	28,738	34,458	38,651	43,485	33,939	1,345	1,351	2,480	3,606	2,581
October.....	31,038	34,897	44,782	41,859	36,670	1,439	1,270	1,694	4,075	1,555
November.....	28,692	30,442	39,322	33,882	24,653	1,569	1,081	2,227	3,054	1,444
December.....	28,929	28,019	35,694	28,077	27,472	1,307	1,690	1,731	1,700	1,156

## No. 395.—STATE GASOLINE TAXES

[NOTE. In a majority of States all the proceeds of these taxes, and in all but a few of the others the great bulk of the proceeds are applied to road purposes]

State	Total gross receipts in thousands of dollars		Tax in cents per gallon on Dec. 31		State	Total gross receipts in thousands of dollars		Tax in cents per gallon on Dec. 31	
	1925	1926	1927	1928 1927		1925	1926	1927	1928 1927
Total.....	146,089	137,603	958,839		Montana.....	875	871	1,436	3 3
Alabama.....	2,111	2,550	5,909	2 4	Nebraska.....	2,194	3,040	3,665	2 2
Arizona.....	556	978	1,389	3 4	Nevada.....	319	406	472	4 4
Arkansas.....	2,950	2,585	4,339	4 5	New Hampshire.....	707	769	1,209	2 1
California.....	14,957	10,502	22,467	2 3	New Jersey.....	(1)	(1)	4,063	(1) 2
Colorado.....	1,961	2,092	3,140	2 3	New Mexico.....	537	763	1,116	3 5
Connecticut.....	1,409	2,089	3,355	2 2	North Carolina.....	6,082	7,786	8,787	4 4
Delaware.....	342	390	962	2 3	North Dakota.....	634	988	1,276	2 2
Dist. of Col.....	890	1,015	1,149	2 2	Ohio.....	9,010	13,257	19,619	2 3
Florida.....	7,658	11,431	10,981	4 5	Oklahoma.....	5,144	8,212	7,198	3 3
Georgia.....	4,419	6,653	7,066	3 4	Oregon.....	2,909	3,334	3,643	3 3
Idaho.....	595	1,122	1,572	3 4	Pennsylvania.....	8,153	11,782	17,296	2 3
Illinois.....	(1)	(1)	6,200	(1) 2	Rhode Island.....	318	612	911	1 2
Indiana.....	7,653	8,972	10,134	3 3	South Carolina.....	3,865	4,497	5,080	" "
Iowa.....	3,505	4,842	7,248	2 3	South Dakota.....	1,848	1,925	2,364	3 4
Kansas.....	2,905	4,303	4,595	2 2	Tennessee.....	3,408	3,853	4,476	3 4
Kentucky.....	3,642	4,935	5,913	5 5	Texas.....	4,642	5,227	5,651	" 1
Louisiana.....	2,340	2,709	3,034	2 2	Utah.....	1,064	1,258	1,461	3 2
Maine.....	1,268	1,823	2,269	3 4	Vermont.....	502	553	905	2 1
Maryland.....	1,277	2,294	4,169	2 4	Virginia.....	3,702	5,856	7,140	4 2
Michigan.....	8,236	10,082	13,261	2 3	Washington.....	3,021	3,482	3,821	2 2
Minnesota.....	3,864	4,805	5,111	2 2	West Virginia.....	2,187	2,923	3,794	3 2
Mississippi.....	2,194	4,099	4,180	4 4	Wisconsin.....	4,032	5,210	6,027	2 2
Missouri.....	4,111	5,621	6,531	2 2	Wyoming.....	456	549	750	2 2

<sup>1</sup> In addition, \$438,436 was collected on motor-oil tax of 10 cents per gallon.

<sup>2</sup> Tentative data; accounts to be audited.

<sup>3</sup> No tax imposed.

<sup>4</sup> Includes \$130,206 from extra tax in Harrison and Hancock Counties for sea wall to protect State High way.

<sup>5</sup> Tax became 4 cents Jan. 1, 1928.

Sources: Table 394, Bureau of the Census, Department of Commerce; Table 395, Bureau of Public Roads, Department of Agriculture.

# No. 396.—MOTOR VEHICLE REGISTRATIONS: PASSENGER CARS AND MOTOR TRUCKS COMBINED, BY STATES

[NOTE.—Net number of cars and trucks shown when possible, excluding reregistrations and nonresident registrations. Totals in this table do not include those official cars which are exempt (or partially exempt) from paying regular registration fees to the States]

Division and State	1912	1915	1920	1924	1925	1926	1927 <sup>1</sup>	
							Total	Per 1,000 population
<b>United States</b>	<b>1,258,063</b>	<b>2,446,066</b>	<b>9,231,941</b>	<b>17,593,677</b>	<b>19,937,274</b>	<b>22,001,323</b>	<b>23,187,319</b>	<b>196</b>
<b>New England</b>	<b>131,237</b>	<b>306,009</b>	<b>573,321</b>	<b>1,143,323</b>	<b>1,290,151</b>	<b>1,378,721</b>	<b>1,432,001</b>	<b>175</b>
Maine	11,022	21,545	62,907	127,598	140,499	151,486	163,623	206
New Hampshire	8,237	13,449	34,680	71,149	81,498	89,001	96,009	211
Vermont	5,913	11,499	31,625	61,179	69,576	74,063	79,527	226
Massachusetts	62,660	102,633	274,496	570,578	644,153	690,190	694,107	164
Rhode Island	10,295	16,362	50,477	95,482	101,756	110,746	118,014	168
Connecticut	23,200	41,121	119,134	217,236	250,669	263,235	281,521	172
<b>Middle Atlantic</b>	<b>396,033</b>	<b>497,237</b>	<b>1,474,105</b>	<b>3,144,194</b>	<b>3,536,870</b>	<b>3,922,033</b>	<b>4,305,229</b>	<b>169</b>
New York	134,495	255,242	676,205	1,412,679	1,625,583	1,815,434	1,937,918	170
New Jersey	51,360	81,848	227,737	504,470	580,554	651,415	712,396	190
Pennsylvania	80,178	160,137	570,164	1,228,845	1,330,433	1,455,184	1,554,918	160
<b>East North Central</b>	<b>314,694</b>	<b>653,665</b>	<b>2,229,346</b>	<b>4,406,307</b>	<b>4,918,383</b>	<b>5,404,149</b>	<b>5,878,418</b>	<b>221</b>
Ohio	86,156	181,332	621,300	1,241,000	1,340,400	1,480,240	1,570,734	234
Indiana	45,000	96,915	333,067	651,705	725,410	772,328	813,637	208
Illinois	94,656	180,832	568,924	1,119,236	1,263,177	1,370,503	1,438,965	197
Michigan	54,366	114,845	412,717	867,545	989,010	1,118,785	1,154,773	267
Wisconsin	34,346	79,741	293,296	525,221	594,386	662,282	698,289	239
<b>West North Central</b>	<b>923,044</b>	<b>1,099,993</b>	<b>1,783,946</b>	<b>3,639,413</b>	<b>3,941,814</b>	<b>4,167,838</b>	<b>4,339,870</b>	<b>246</b>
Minnesota	46,000	93,269	324,166	503,437	569,004	630,285	646,682	241
Iowa	70,299	145,109	437,378	616,128	659,202	698,998	704,203	200
Missouri	38,140	76,462	297,008	540,500	604,166	654,554	682,419	194
North Dakota	16,187	24,908	90,840	117,346	144,972	157,822	160,701	261
South Dakota	14,457	28,724	120,395	142,396	168,028	168,230	169,552	244
Nebraska	13,411	59,000	219,000	308,715	338,719	360,773	373,912	268
Kansas	34,550	72,530	294,159	410,691	467,063	491,276	501,901	275
<b>South Atlantic</b>	<b>77,823</b>	<b>150,694</b>	<b>306,063</b>	<b>1,042,124</b>	<b>1,290,898</b>	<b>1,304,899</b>	<b>1,332,898</b>	<b>147</b>
Delaware	2,440	5,052	18,300	35,136	40,140	44,834	47,124	194
Maryland	14,217	31,047	102,841	198,465	234,247	252,852	270,935	170
Dist of Columbia	4,000	8,009	34,161	88,762	103,092	111,497	111,680	207
Virginia	9,022	21,357	115,470	261,945	282,650	322,614	337,607	122
West Virginia	5,144	13,279	80,664	191,085	217,589	237,836	245,819	146
North Carolina	10,000	21,000	140,800	302,232	340,287	385,047	430,499	149
South Carolina	10,000	15,000	93,843	161,763	168,496	181,189	199,635	108
Georgia	20,000	35,000	146,000	207,668	248,093	277,468	300,635	95
Florida	2,000	10,850	73,914	195,128	295,388	401,562	394,734	200
<b>East South Central</b>	<b>90,300</b>	<b>48,421</b>	<b>367,666</b>	<b>738,429</b>	<b>878,115</b>	<b>992,390</b>	<b>1,041,770</b>	<b>111</b>
Kentucky	7,210	19,500	112,683	229,804	261,647	281,557	295,621	113
Tennessee	10,000	7,618	101,652	204,680	244,626	279,639	294,567	119
Alabama	5,300	11,634	74,637	157,262	194,560	225,930	243,539	95
Mississippi	3,850	9,669	68,486	134,680	177,262	206,200	218,043	122
<b>West South Central</b>	<b>46,583</b>	<b>84,433</b>	<b>773,656</b>	<b>1,491,719</b>	<b>1,790,017</b>	<b>1,998,796</b>	<b>2,078,101</b>	<b>178</b>
Arkansas	3,883	8,021	59,082	141,963	183,589	200,419	206,608	107
Louisiana	10,000	11,380	73,000	178,000	207,000	239,500	255,000	132
Oklahoma	3,000	25,032	212,880	369,903	424,345	499,938	503,126	211
Texas	32,000	40,000	427,693	801,833	975,083	1,049,869	1,111,407	206
<b>Mountain</b>	<b>33,915</b>	<b>78,590</b>	<b>374,473</b>	<b>591,760</b>	<b>673,706</b>	<b>735,366</b>	<b>794,808</b>	<b>198</b>
Montana	5,916	14,540	60,650	79,695	94,656	103,958	112,735	158
Idaho	2,112	7,071	50,861	69,227	81,506	94,760	101,336	190
Wyoming	1,584	3,976	23,926	43,639	47,711	49,883	51,965	216
Colorado	13,000	28,894	129,255	213,247	240,087	248,613	265,462	250
New Mexico	1,898	3,100	22,100	41,680	49,111	54,996	59,291	151
Arizona	3,612	7,752	34,601	57,828	68,029	73,682	81,047	177
Utah	4,000	9,177	42,616	68,316	73,427	85,380	93,976	180
Nevada	1,091	2,009	10,464	18,118	21,169	24,014	25,776	235
<b>Pacific</b>	<b>138,159</b>	<b>298,906</b>	<b>961,333</b>	<b>1,807,459</b>	<b>1,965,636</b>	<b>2,197,323</b>	<b>2,322,350</b>	<b>227</b>
Washington	24,178	38,623	173,920	295,442	328,442	363,279	384,583	246
Oregon	13,975	23,565	103,790	192,615	216,553	233,568	244,572	275
California	100,000	163,797	583,623	1,319,394	1,440,541	1,600,475	1,693,195	382

<sup>1</sup> Includes road tractors (excluding farm tractors) not included prior to 1924.

<sup>2</sup> Includes nonresident registrations. Fiscal registration year ends June 30; figures represent registration July 1 to Dec 31.

Source: Bureau of Public Roads, Department of Agriculture.

<sup>3</sup> Registrations incomplete.

<sup>4</sup> Estimated.

<sup>5</sup> Cars registered during 1915 only; total, approximately 26,000.

<sup>6</sup> Approximate.



## No. 397.—REGISTRATIONS AND REVENUES FROM MOTOR VEHICLES, 1927

Division and State	Number of motor cars				Trailers, registered <sup>1</sup>	Motor cycles (registered and official combined)	Receipts from motor-vehicle administration		Amount ap- plied to rural high- way work
	Total	Individually and commercially owned, registered		Tax-exempt official motor cars			Total receipts <sup>2</sup>	Registration motor cars <sup>3</sup>	
		Passenger cars, busses, and taxis	Trucks and road tractors						Thousands of dollars
United States	22,262,123	20,220,422	2,094,226	134,222	122,421	124,222	201,021	220,212	221,221
New England	1,422,701	1,241,272	121,422	2,000	2,227	12,242	22,227	22,272	22,422
Maine	124,222	122,222	2,000	1,227	1,012	1,211	2,222	1,221	2,227
New Hampshire	22,222	22,222	2,000	22	222	1,227	1,222	1,227	1,222
Vermont	22,222	22,222	2,000	22	222	2,001	1,227	1,221	1,222
Massachusetts	222,222	222,222	22,222	1,222	222	2,222	12,222	12,222	12,222
Rhode Island	122,222	122,222	12,222	222	22	1,227	2,222	1,222	1,222
Connecticut	222,222	222,222	22,222	2,222	122	2,222	2,222	2,222	2,222
Middle Atlantic	4,222,222	3,222,222	222,222	22,222	12,222	22,222	22,222	22,222	22,222
New York	1,222,222	1,222,222	222,222	12,222	2,222	22,222	22,222	22,222	22,222
New Jersey	222,222	222,222	22,222	2,222	1,222	2,222	2,222	2,222	2,222
Pennsylvania	1,222,222	1,222,222	222,222	2,222	2,222	22,222	22,222	22,222	22,222
East North Central	2,222,222	2,222,222	222,222	22,222	22,222	22,222	22,222	22,222	22,222
Ohio	1,222,222	1,222,222	222,222	12,222	2,222	22,222	22,222	22,222	22,222
Indiana	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Illinois	1,222,222	1,222,222	222,222	2,222	2,222	22,222	22,222	22,222	22,222
Michigan	1,222,222	1,222,222	222,222	2,222	2,222	22,222	22,222	22,222	22,222
Wisconsin	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
West North Central	2,222,222	2,222,222	222,222	22,222	22,222	22,222	22,222	22,222	22,222
Minnesota	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Iowa	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Missouri	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
North Dakota	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
South Dakota	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Nebraska	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Kansas	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
South Atlantic	2,222,222	2,222,222	222,222	22,222	22,222	22,222	22,222	22,222	22,222
Delaware	22,222	22,222	2,222	22	22	22	22	22	22
Maryland	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Dist. Columbia	22,222	22,222	2,222	22	22	22	22	22	22
Virginia	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
West Virginia	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
North Carolina <sup>10</sup>	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
South Carolina	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Georgia	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Florida	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
East South Central	1,042,222	922,222	102,222	2,112	2,222	2,122	12,212	9,222	12,242
Kentucky	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Tennessee	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Alabama	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Mississippi	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
West South Central	2,022,222	1,822,222	222,222	2,012	12,222	2,112	22,242	12,222	22,272
Arkansas	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Louisiana	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Oklahoma	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Texas	1,112,222	922,222	112,222	2,222	2,222	2,222	12,222	12,222	12,222
Mountain	222,222	212,222	22,222	2,442	272	2,172	2,242	2,222	2,242
Montana	112,222	92,222	12,222	1,222	22	122	2,122	1,222	1,122
Idaho	122,222	92,222	12,222	1,222	22	242	1,222	1,222	1,222
Wyoming	22,222	22,222	2,222	22	22	22	22	22	22
Colorado	222,222	222,222	22,222	2,222	22	1,222	2,222	2,222	2,222
New Mexico	222,222	222,222	22,222	2,222	22	22	2,222	2,222	2,222
Arizona	22,222	22,222	2,222	22	22	22	22	22	22
Utah	92,222	82,222	12,222	22	22	22	22	22	22
Nevada	22,222	22,222	2,222	22	22	22	22	22	22
Pacific	2,222,222	2,022,222	222,222	21,222	22,222	22,222	21,222	19,222	19,242
Washington	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
Oregon	222,222	222,222	22,222	2,222	2,222	2,222	2,222	2,222	2,222
California	1,112,222	1,172,222	122,222	22,222	22,222	2,222	2,222	2,222	2,222

<sup>1</sup> Some States include trailers with trucks, as noted. Other States do not register same.<sup>2</sup> Includes registration fees, licenses, permits, fines, etc.; excludes gasoline taxes.<sup>3</sup> Totals include only the 41 States shown; separate data not available for other 7 States.<sup>4</sup> Includes 7,859 "cars-at-large" not allocated to any State.<sup>5</sup> Includes \$140,000 for State police.<sup>6</sup> Busses included with trucks. <sup>7</sup> State and local cars included in preceding columns; \$2 fee charged.<sup>8</sup> Includes \$1,000,000 administration State highway department.<sup>9</sup> Includes \$130,000 special bridge fund.<sup>10</sup> July 1 to Dec. 31 only, as registration year commenced July 1.<sup>11</sup> Estimated.<sup>12</sup> Includes over 8,000 cars and trucks of public-service corporations exempt by law.

Source: Bureau of Public Roads, Department of Agriculture.

## No. 398.—WORLD REGISTRATION OF AUTOMOTIVE VEHICLES

[NOTE.—Figures for some countries are estimates, but in most cases they are official registrations]

Country	Automobiles, Jan. 1, 1928					Total automobiles, Jan. 1, 1928	Motor cycles, Jan. 1, 1928
	Total number	Passenger cars	Motor trucks	Buses	Ratio inhabitants per vehicle		
World total.....	29,687,300	25,168,741	4,314,177	204,382	64	21,455,971	1,944,299
United States (continental).....	23,262,183	20,279,661	2,896,896	86,626	5	17,740,236	124,339
Other countries, total.....	6,425,117	4,889,080	1,417,291	118,749		3,715,735	1,819,960
Alaska.....	1,948	1,394	564		28	950	1
Algeria.....	30,550	25,750	4,000	800	199	17,400	1,000
Argentina.....	208,030	224,803	39,927	1,300	40	130,000	2,017
Australia.....	423,521	346,885	75,585	1,051	15	198,000	84,683
Austria.....	23,673	14,118	8,895	750	276	14,865	28,008
Belgium.....	108,000	72,000	36,000	( <sup>1</sup> )	73	92,700	31,000
Brazil.....	136,000	95,000	40,000	1,000	298	41,750	800
British East Africa.....	9,011	6,522	2,489		1,142	3,064	3,507
British Malaya.....	29,791	24,241	3,886	1,664	123	17,500	4,786
British West Africa.....	23,121	15,749	7,372	( <sup>2</sup> )	947	6,650	3,645
Bulgaria.....	1,843	1,404	437		3,037	1,003	262
Canada.....	949,504	840,336	107,972	1,196	10	690,692	7,604
Canary Islands.....	4,763	3,354	1,189	220	107	2,550	106
Ceylon.....	14,417	10,410	1,872	2,135	355	6,312	2,923
Chile.....	19,271	14,900	2,771	1,600	209	10,000	200
China.....	20,464	15,034	2,170	2,360	21,257	10,102	1,042
Colombia.....	10,236	6,420	3,596	220	712	3,000	47
Cuba.....	44,937	31,190	11,958	1,792	79	32,000	317
Czechoslovakia.....	39,950	28,370	10,580	1,020	360	12,398	23,540
Danzig.....	1,930	1,302	649	70	199	1,771	867
Denmark.....	83,900	66,000	17,000	900	41	47,352	22,000
Dominican Republic.....	3,985	3,089		15	257	2,210	94
Egypt.....	21,900	18,342	2,378	1,170	647	10,300	3,245
Finland.....	25,038	17,405	6,340	1,293	142	5,850	4,866
France.....	956,000	654,000	290,000	10,000	43	675,000	158,000
French Indo-China.....	13,746	11,544	629	1,673	1,468	6,800	1,688
French Morocco.....	13,390	9,628	3,562	( <sup>1</sup> )	316	5,600	1,166
Germany.....	456,000	332,000	117,000	7,000	137	219,990	406,000
Greece.....	13,885	9,300	2,800	1,785	492	5,500	475
Guatemala.....	2,473	1,781	672	20	992	920	130
Haiti.....	2,043	1,491	375	177	1,126	1,000	10
Hawaii.....	37,206	30,292	6,746	168	8	22,600	445
Hungary.....	12,001	9,259	3,372	270	650	4,610	4,908
India.....	95,684	73,698	21,986	( <sup>1</sup> )	3,333	55,900	14,294
Iraq.....	2,825	2,477	344	4	1,119	2,800	250
Irish Free State.....	36,763	29,136	7,092	585	81	25,500	7,824
Italy.....	158,600	120,000	35,000	3,600	257	96,000	53,600
Jamaica.....	5,727	4,239	1,324	64	164	3,800	473
Japan, including Chosen.....	57,463	30,335	16,772	4,356	1,379	23,289	17,698
Mexico.....	57,139	42,046	11,496	3,596	254	29,600	648
Netherland East Indies.....	27,294	22,194	5,100	( <sup>1</sup> )	1,950	36,252	7,784
Netherlands.....	73,894	46,977	23,815	3,102	103	34,000	28,906
New Zealand.....	134,215	111,385	21,677	1,153	10	60,600	35,071
Norway.....	32,350	19,900	11,250	1,200	86	21,000	5,700
Palestine and Syria.....	7,533	6,244	766	523	511	3,589	303
Panama and Canal Zone.....	4,584	3,968	235	361	103	3,506	320
Persia.....	6,560	4,800	1,700	60	1,524	2,180	500
Peru.....	10,525	6,200	3,950	375	523	5,000	200
Philippine Islands.....	28,810	20,547	5,510	2,753	408	14,828	797
Poland.....	21,922	16,772	3,606	1,544	1,350	13,420	3,784
Porto Rico.....	13,679	10,469	2,816	375	105	11,456	161
Portugal.....	21,809	18,609	3,000	200	260	9,700	2,211
Rumania.....	20,819	15,039	4,764	1,016	861	9,900	897
Russia.....	18,673	8,168	9,421	1,084	7,872	13,000	7,180
Spain.....	176,071	134,050	42,025	( <sup>4</sup> )	126	70,000	18,125
Sweden.....	109,522	81,465	26,220	1,827	55	62,000	38,340
Switzerland.....	53,000	43,450	9,000	550	75	29,848	32,000
Trinidad and Tobago.....	3,918	3,245	515	158	99	1,850	748
Tunisia.....	5,350	4,800	450	100	404	3,926	700
Turkey.....	7,009	5,500	750	750	1,960	2,600	400
Union of South Africa.....	101,200	93,000	7,500	700	74	50,300	32,000
United Kingdom.....	1,194,235	855,883	295,702	42,690	38	770,839	608,213
Uruguay.....	34,575	28,100	5,860	525	50	16,889	150
Venezuela.....	12,660	9,500	3,000	150	289	4,400	780
Yugoslavia.....	10,475	8,866	1,589	20	1,147	5,970	3,030
All other.....	78,632	55,473	19,441	3,718		28,902	13,352

<sup>1</sup> Buses included with trucks.<sup>1</sup> Includes motor cycles.<sup>2</sup> Passenger cars include buses and some trucks.<sup>4</sup> Buses included with passenger cars.

### No. 399.—AUTOMOBILE FATALITIES<sup>1</sup> IN STATES AND LARGE CITIES HAVING DEATH REGISTRATION

[NOTE.—See Table 78 for per cent of total population included in the registration area for each year. Total fatalities for registration areas: 1910, 980; 1911, 1,291; 1912, 1,758; 1913, 2,498; 1914, 2,826; 1915, 3,978; 1916, 5,193; 1917, 6,724; 1918, 7,825; 1919, 7,968; 1920, 9,103. Rate per estimated 100,000 population: 1910, 1.8; 1911, 2.2; 1912, 2.9; 1913, 3.9; 1914, 4.3; 1915, 5.9; 1916, 7.3; 1917, 9; 1918, 9.3; 1919, 9.4; 1920, 10.4]

State	Number of deaths						Rate per estimated 100,000 population					
	1921	1922	1923	1924	1925	1926	1921	1922	1923	1924	1925	1926
Registration area in continental United States	10,168	11,656	14,411	15,528	17,571	18,871	11.6	12.6	14.9	15.7	17.0	17.9
Registration States <sup>2</sup>	9,903	11,466	14,157	15,221	17,149	18,419	11.4	12.5	14.8	15.6	16.9	17.8
Cities <sup>3</sup>	5,536	7,448	8,948	9,553	10,640	11,071	15.3	16.9	19.6	20.6	22.4	22.4
Rural	3,368	4,020	5,209	5,668	6,509	7,348	7.0	8.4	10.4	11.1	12.1	13.4
Cities in nonregistration States	265	240	254	307	422	452	17.9	15.6	18.5	20.0	23.5	24.0
All registration cities <sup>4</sup>	5,800	7,688	9,202	9,860	11,062	11,523	15.4	16.8	19.5	20.5	22.4	22.8
REGISTRATION STATES												
Alabama	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	262	319	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	10.1	12.6
Arizona	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	110	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	26.1
California	876	960	1,239	1,264	1,327	1,464	24.4	26.0	32.6	32.0	31.7	33.9
Colorado	121	159	167	158	146	176	12.6	16.3	15.9	15.7	14.0	16.5
Connecticut	220	216	249	277	340	307	15.5	14.9	16.9	18.4	21.6	19.1
Delaware	17	24	55	46	27	50	7.5	10.5	23.9	19.8	15.5	20.8
Florida	104	122	170	242	449	515	10.4	11.9	16.2	19.7	35.5	39.1
Georgia	( <sup>5</sup> )	215	259	307	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	7.2	8.6	10.1	( <sup>5</sup> )	( <sup>5</sup> )
Idaho	( <sup>5</sup> )	27	51	54	56	77	( <sup>5</sup> )	4.6	10.8	11.2	11.0	14.4
Illinois	887	1,008	1,081	1,065	1,268	1,336	13.4	15.0	15.2	15.5	17.9	18.4
Indiana	266	306	433	480	509	547	9.0	10.2	14.4	15.8	16.4	17.5
Iowa	( <sup>5</sup> )	( <sup>5</sup> )	242	211	271	264	( <sup>5</sup> )	( <sup>5</sup> )	9.6	8.7	11.2	10.9
Kansas	166	175	217	169	240	241	9.3	9.6	12.1	9.4	13.2	13.2
Kentucky	105	129	166	197	237	277	4.3	5.2	6.7	8.0	9.4	11.0
Louisiana	97	104	158	210	241	271	5.3	5.7	8.5	11.3	12.7	14.1
Maine	50	79	91	91	98	100	7.3	10.2	11.7	11.7	12.5	12.7
Maryland	177	224	243	246	271	312	12.0	15.0	16.1	16.2	17.4	19.7
Massachusetts	523	496	611	685	729	682	13.3	12.5	15.2	16.7	17.6	16.2
Michigan	441	574	738	803	955	1,112	11.6	14.8	18.6	21.2	22.3	25.3
Minnesota	219	200	328	306	361	326	8.9	10.5	13.1	14.5	14.8	12.3
Mississippi	46	60	78	125	170	215	2.6	3.4	4.4	7.0	9.5	12.0
Missouri	276	321	398	449	509	493	8.1	9.4	11.6	13.0	14.0	14.1
Montana	48	48	40	69	44	33	8.3	8.1	8.0	11.0	12.5	13.4
Nebraska	104	131	123	113	125	154	7.9	9.9	9.2	8.4	9.1	11.1
New Hampshire	38	49	59	61	87	84	8.5	11.0	13.2	13.6	19.2	15.0
New Jersey	484	543	672	746	771	792	14.9	16.4	19.9	21.7	21.4	21.5
New York	1,632	1,788	1,930	1,985	2,111	2,178	15.4	16.7	17.8	18.0	18.0	19.3
North Carolina	139	169	258	328	376	455	5.3	6.4	9.5	12.0	14.4	15.9
North Dakota	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	45	59	79	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	7.0	9.2	10.4
Ohio	734	818	1,078	1,024	1,285	1,317	12.4	13.6	17.6	16.5	19.9	20.9
Oregon	103	113	120	144	144	187	12.9	13.9	14.6	17.3	16.7	21.3
Pennsylvania	1,060	1,260	1,592	1,535	1,576	1,734	11.9	14.0	17.5	16.7	16.6	18.7
Rhode Island	83	93	97	113	133	127	13.5	15.0	15.5	16.9	19.0	18.3
South Carolina	74	76	119	167	179	192	4.3	4.4	6.8	9.5	9.9	10.5
Tennessee	134	100	171	232	278	312	5.7	6.7	7.1	9.6	11.4	12.6
Utah	53	69	60	81	98	80	11.5	12.6	12.6	16.7	17.7	15.4
Vermont	23	39	46	48	56	45	6.5	11.1	13.1	13.6	15.9	12.4
Virginia	140	137	200	240	271	308	9.0	8.8	8.3	9.9	10.9	12.0
Washington	202	173	240	265	299	342	14.5	12.3	14.7	18.2	19.8	22.2
West Virginia	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	306	231	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	12.7	13.4
Wisconsin	205	271	292	363	397	384	7.7	10.0	10.7	13.1	13.9	13.3
Wyoming	( <sup>5</sup> )	28	51	59	67	50	( <sup>5</sup> )	13.5	24.1	27.2	29.3	23.7
REGISTRATION CITIES												
Akron	31	25	40	39	60	62	14.9	12.0	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Albany	31	21	27	28	35	41	26.9	18.1	23.0	23.0	29.7	34.5
Atlanta	38	64	55	53	65	68	18.3	24.7	24.7	( <sup>5</sup> )	( <sup>5</sup> )	27.9
Baltimore	100	130	131	129	158	178	13.3	17.1	16.4	16.4	19.6	22.0
Birmingham	42	31	49	55	51	57	22.6	16.2	25.0	27.1	24.8	27.1

<sup>1</sup> Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroads and street cars.

<sup>2</sup> Including the District of Columbia.

<sup>3</sup> Not added to registration area until a later date.

<sup>4</sup> State registration law declared unconstitutional.

<sup>5</sup> Rate omitted, pending the establishment of a more satisfactory estimate of population.

**No. 399.—AUTOMOBILE FATALITIES IN STATES AND LARGE CITIES HAVING  
DEATH REGISTRATION—Continued**

City	Number of deaths						Rate per estimated 100,000 population					
	1921	1922	1923	1924	1925	1926	1921	1922	1923	1924	1925	1926
Boston.....	103	129	133	143	154	149	13.6	16.9	17.3	18.4	19.8	19.9
Bridgeport.....	28	28	23	21	26	31	19.5	19.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Buffalo.....	81	106	137	112	119	135	15.8	20.1	25.5	21.0	22.1	24.8
Cambridge.....	19	16	28	27	23	19	17.2	14.4	25.1	22.8	18.4	15.6
Camden.....	27	■	44	36	43	59	22.6	27.9	35.4	28.5	33.3	45.1
Chicago.....	569	623	589	560	645	693	20.5	22.0	20.4	19.0	21.5	22.7
Cincinnati.....	79	76	102	85	115	■	19.6	18.8	25.1	20.8	28.1	26.5
Cleveland.....	148	142	203	220	231	265	17.8	16.6	22.8	24.1	24.7	27.6
Columbus.....	43	37	58	59	71	70	17.4	14.5	22.2	22.0	25.4	24.5
Dallas.....	27	27	34	35	59	61	16.3	15.7	18.7	19.2	30.4	30.1
Dayton.....	15	27	27	26	44	52	9.5	16.7	16.3	15.4	25.4	29.4
Denver.....	43	56	45	40	37	48	16.3	20.9	( <sup>1</sup> )	15.6	13.2	16.6
Des Moines.....	( <sup>1</sup> )	( <sup>1</sup> )	18	17	23	30	( <sup>1</sup> )	( <sup>1</sup> )	12.8	12.1	16.3	20.6
Detroit.....	123	176	262	305	346	399	13.4	17.7	( <sup>1</sup> )	25.5	27.8	30.9
Fall River.....	13	13	23	15	17	19	10.8	10.8	18.2	12.5	13.2	14.5
Fort Worth.....	( <sup>1</sup> )	16	9	27	32	30	( <sup>1</sup> )	13.2	6.3	18.2	20.6	18.8
Grand Rapids.....	15	23	27	31	45	32	10.6	16.0	18.5	20.9	29.2	20.5
Hartford.....	31	31	40	33	53	46	22.5	22.8	26.3	21.1	33.1	28.0
Houston.....	25	27	25	31	81	40	17.3	18.0	( <sup>1</sup> )	22.4	( <sup>1</sup> )	( <sup>1</sup> )
Indianapolis.....	40	47	53	71	78	83	12.3	14.0	15.5	20.2	21.7	22.6
Jersey City.....	26	36	37	56	64	41	11.9	11.8	12.0	17.9	20.3	12.9
Kansas City, Kans.....	12	13	12	18	27	8	11.6	15.8	10.4	15.6	23.3	6.8
Kansas City, Mo.....	67	63	66	87	87	82	19.9	18.3	24.4	24.2	23.7	21.6
Los Angeles.....	165	187	224	267	258	285	27.1	29.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Louisville.....	25	42	65	58	64	64	14.8	16.4	25.6	19.8	21.2	20.6
Lowell.....	21	6	18	23	■	22	18.6	5.2	15.6	20.6	23.6	19.9
Memphis.....	25	42	45	40	52	57	15.1	25.0	27.0	■	29.7	32.3
Milwaukee.....	52	65	62	83	102	101	11.1	13.6	12.8	16.8	20.0	19.5
Minneapolis.....	49	71	60	86	76	69	12.5	17.7	14.7	20.6	17.9	15.9
Nashville.....	24	20	28	34	38	39	19.7	16.6	22.8	27.5	27.9	26.5
New Bedford.....	9	21	8	13	18	11	7.2	16.5	5.2	10.0	15.1	9.2
New Haven.....	21	33	28	■	40	42	12.6	19.4	16.2	27.3	22.3	23.1
New Orleans.....	43	46	68	84	78	85	10.9	11.5	16.6	20.5	18.8	20.3
New York.....	885	896	964	1,000	1,000	1,082	15.4	15.3	16.3	17.2	18.0	18.3
Bronx Borough.....	106	81	129	122	117	119	13.6	10.0	15.3	14.4	13.4	13.2
Brooklyn Borough.....	279	266	279	327	341	338	13.4	12.6	12.9	15.1	15.5	15.1
Manhattan Borough.....	420	463	474	439	484	■	13.4	20.4	20.9	21.9	24.9	26.3
Queens Borough.....	65	68	66	90	102	102	13.1	13.2	12.3	13.4	14.3	13.4
Richmond Borough.....	13	18	16	22	16	29	12.4	14.5	12.5	16.8	11.6	20.3
Newark, N. J.....	68	81	107	104	110	109	16.0	18.8	24.4	23.3	24.3	23.7
Norfolk.....	22	11	13	16	24	25	16.1	8.5	8.2	( <sup>1</sup> )	14.2	14.4
Oakland.....	35	41	50	49	44	51	15.5	17.6	20.8	19.6	17.3	19.6
Omaha.....	23	24	40	29	35	■	11.7	12.0	19.6	13.9	16.5	15.3
Paterson.....	32	34	39	49	41	34	23.3	24.5	27.9	34.8	28.9	23.8
Philadelphia.....	190	267	294	263	296	329	10.2	14.1	15.3	13.5	15.0	16.4
Pittsburgh.....	107	123	146	156	166	163	17.8	20.2	23.5	29.7	26.3	25.6
Portland, Oreg.....	38	40	39	41	42	52	14.3	14.9	14.3	14.7	( <sup>1</sup> )	( <sup>1</sup> )
Providence.....	39	51	52	58	79	61	16.3	21.2	21.5	22.0	29.5	22.2
Reading.....	16	13	27	24	19	19	14.7	11.8	24.3	21.5	16.8	16.7
Richmond.....	19	20	26	33	41	37	10.8	11.2	14.4	18.0	22.0	19.6
Rochester.....	42	52	44	48	54	65	13.8	16.7	13.8	15.3	17.0	20.3
St. Louis.....	119	134	168	197	201	172	15.1	16.9	■	24.2	24.5	20.7
St. Paul.....	34	36	59	55	42	46	14.3	15.0	24.4	22.5	17.1	18.5
Salt Lake City.....	18	24	20	34	42	33	14.8	19.4	15.8	26.4	32.1	24.7
San Antonio.....	33	28	30	22	39	40	19.3	15.7	16.2	11.5	19.7	19.5
San Francisco.....	94	118	107	113	■	128	18.1	■	19.9	20.6	18.8	22.6
Scranton.....	25	29	41	24	33	39	18.0	20.7	29.2	17.0	23.2	22.4
Seattle.....	44	44	55	53	66	69	14.0	13.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Spokane.....	19	10	15	22	21	27	18.2	9.6	( <sup>1</sup> )	21.0	19.3	24.8
Springfield, Mass.....	23	17	23	27	21	38	16.9	12.1	15.9	19.2	14.8	26.2
Syracuse.....	34	36	43	41	29	44	19.2	19.9	23.2	22.7	15.9	23.7
Toledo.....	37	45	62	46	87	74	14.6	17.3	23.4	16.4	23.3	25.1
Trenton.....	26	27	36	34	39	33	21.2	21.6	28.3	26.2	29.5	24.6
Washington, D. C.....	53	64	86	108	88	98	12.1	14.6	18.1	■	17.1	18.6
Wilmington, Del.....	10	15	29	29	21	29	8.6	13.0	■	24.2	17.2	22.3
Worcester.....	37	26	33	29	40	32	20.0	13.8	17.2	15.3	21.0	16.5
Yonkers.....	17	13	17	16	15	19	16.5	12.3	15.8	14.4	13.2	16.3
Youngstown.....	26	27	37	30	43	42	25.7	30.4	24.6	25.1	26.9	25.5

\*Not added to registration area until a later date.

\*Rate omitted, pending the establishment of a more satisfactory estimate of population.

Source: Bureau of the Census, Department of Commerce.



20.—STEAM AND ELECTRIC RAILWAYS AND EXPRESS COMPANIES

[Data in this section relate to continental United States unless otherwise stated]

GENERAL NOTE.—The total steam railroad mileage of the United States includes: (a) Regular interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission, (b) switching and terminal railroads, also reporting to the commission; and (c) private railroads (defined by the commission as "circular" because they report on brief circulars and as "unofficial"). Except in certain mileage data the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railways, but are now separated, and data for them do not appear in most of the tables.

Nonoperating subsidiaries include proprietary companies, which are covered by the reports of operating carriers, and lessor companies which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railways are divided into three classes, according to the amount of gross operating revenue in 1919: Class I, having more than \$1,000,000 of such revenue; Class II, from \$100,000 to \$1,000,000; and Class III, less than \$100,000. During recent years more detailed reports are required from Class I carriers than from smaller companies. The basis of the figures in each table is indicated by notes. Omission of Class II and Class III railroads affects very little the comparability of statistics with those of earlier years as regards most items, since the bulk of the business is done by Class I.

The Interstate Commerce Commission divides railroads geographically into three districts and eight subsidiary regions. Each railroad is treated as a unit and placed wholly in some one district or region. Broadly speaking, the eastern district includes territory east of Chicago and north of the Ohio and Potomac Rivers; southern district, territory east of the Mississippi River and south of the Ohio and Potomac Rivers; and western district the remainder of the country. The principal railroads of the eight regions are listed in Table 420.

Class I companies make monthly reports and the yearly totals from these become available earlier than the sometimes slightly corrected totals from the final annual reports. The latest figures in these tables are in many cases from the monthly reports.

No. 400.—RAILWAY MILEAGE OWNED AND MILEAGE OPERATED CLASSIFIED BY TRACKAGE

[NOTE.—Beginning with 1908 switching and terminal roads are omitted (they operate about 2,000 miles of first main track). The first and second columns cover all railways including "circular" and "unofficial" lines; the last five columns omit "circular" and "unofficial" lines. Mileage owned excludes all duplication and covers continental United States only. Mileage operated includes some duplication under trackage rights and some mileage in Canada operated by United States companies]

Year	Miles of road (first track) owned	Miles operated					Class I railways: Road (first track)
		All railways: Road (first track)	Reporting railways				
			Road (first track)	Other main tracks	Yard track and sidings	Total track	
June 30, 1890.....	163, 597	167, 191	156, 404	9, 760	33, 711	199, 875	-----
1895.....	180, 657	184, 628	177, 746	12, 348	43, 181	233, 275	-----
1900.....	193, 346	198, 964	192, 556	14, 075	52, 153	258, 784	-----
1905.....	218, 101	225, 196	216, 974	19, 881	69, 942	306, 797	-----
1910.....	240, 293	249, 992	240, 831	25, 354	85, 582	351, 767	-----
1911.....	243, 979	254, 732	246, 238	27, 612	88, 974	362, 824	216, 877
1912.....	246, 777	258, 033	249, 852	29, 367	92, 019	371, 238	220, 063
1913.....	249, 777	261, 036	253, 470	30, 827	95, 211	379, 508	224, 236
1914.....	252, 105	263, 547	256, 547	32, 376	98, 285	387, 208	226, 999
1915.....	253, 789	264, 378	257, 569	33, 662	99, 910	391, 141	228, 989
Dec. 31, 1916.....	254, 037	266, 381	259, 705	34, 325	102, 984	397, 014	231, 674
1917.....	253, 626	266, 015	259, 705	35, 066	105, 582	400, 353	232, 697
1918.....	253, 529	264, 233	258, 507	36, 228	107, 608	402, 343	233, 145
1919.....	253, 152	263, 707	258, 525	36, 730	108, 637	403, 892	234, 363
1920.....	252, 845	263, 821	259, 941	36, 894	109, 744	406, 579	235, 234
1921.....	251, 176	262, 544	258, 362	37, 614	111, 555	407, 531	234, 702
1922.....	250, 413	261, 984	257, 425	37, 888	114, 046	409, 359	234, 976
1923.....	250, 222	262, 482	258, 084	38, 697	116, 212	412, 993	235, 574
1924.....	250, 156	262, 158	258, 238	39, 916	116, 874	415, 028	235, 894
1925.....	249, 398	261, 871	258, 631	40, 962	118, 361	417, 954	236, 849
1926.....	249, 138	261, 562	258, 815	41, 686	120, 840	421, 341	237, 064

Source: Interstate Commerce Commission.

## No. 401.—RAILWAY MILEAGE OWNED: BY STATES

[NOTE.—See note to Table 400. Figures relate to June 30 prior to 1920 and Dec. 31 thereafter; they include reporting, circular, and unofficial railways, but since 1906 exclude switching and terminal roads]

State	1860 <sup>1</sup>	1870 <sup>1</sup>	1880 <sup>1</sup>	1890	1900	1910 <sup>2</sup>	1915	1920	1925	1926
<b>United States<sup>1</sup></b>	<b>30,436</b>	<b>52,923</b>	<b>93,367</b>	<b>163,097</b>	<b>193,348</b>	<b>240,439</b>	<b>253,759</b>	<b>352,845</b>	<b>246,396</b>	<b>249,136</b>
<b>New England</b>	<b>2,860</b>	<b>4,494</b>	<b>5,952</b>	<b>6,718</b>	<b>7,521</b>	<b>7,991</b>	<b>7,939</b>	<b>7,942</b>	<b>7,754</b>	<b>7,845</b>
Maine	472	786	1,005	1,338	1,915	2,248	2,278	2,295	2,228	2,318
New Hampshire	551	736	1,015	1,145	1,239	1,246	1,256	1,252	1,234	1,198
Vermont	554	614	914	921	1,012	1,100	1,073	1,077	1,057	1,057
Massachusetts	1,264	1,480	1,915	2,094	2,119	2,115	2,131	2,106	2,071	2,019
Rhode Island	106	136	210	213	212	212	203	211	196	196
Connecticut	601	742	923	1,007	1,024	1,000	999	1,001	968	957
<b>Middle Atlantic</b>	<b>6,840</b>	<b>9,709</b>	<b>13,929</b>	<b>18,181</b>	<b>20,709</b>	<b>21,960</b>	<b>22,542</b>	<b>23,293</b>	<b>24,008</b>	<b>21,986</b>
New York	2,682	3,928	5,957	7,551	8,121	8,420	8,584	8,290	8,373	8,268
New Jersey	550	1,125	1,684	2,047	2,257	2,260	2,315	2,352	2,292	2,297
Pennsylvania	2,598	4,556	6,191	8,453	10,331	11,290	11,692	11,561	11,338	11,331
<b>South Atlantic</b>	<b>5,976</b>	<b>7,349</b>	<b>9,789</b>	<b>10,270</b>	<b>23,362</b>	<b>29,795</b>	<b>32,378</b>	<b>32,890</b>	<b>31,935</b>	<b>31,995</b>
Delaware	127	197	275	323	347	335	335	335	332	332
District of Columbia	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	30	32	35	36	36	37	36
Maryland	366	571	1,040	1,231	1,375	1,426	1,424	1,426	1,447	1,447
Virginia	1,379	1,486	1,693	3,160	3,779	4,636	4,729	4,703	4,554	4,548
West Virginia	352	387	691	1,328	2,228	3,601	3,910	3,996	4,036	4,024
North Carolina	937	1,178	1,486	3,001	3,831	4,932	5,565	5,522	5,347	5,306
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,090	3,814	3,748	3,745
Georgia	1,420	1,645	2,459	4,532	5,652	7,056	7,427	7,326	6,980	6,932
Florida	402	446	518	2,471	3,299	4,432	5,252	5,212	5,452	5,553
<b>East North Central</b>	<b>9,553</b>	<b>14,701</b>	<b>25,109</b>	<b>36,994</b>	<b>41,007</b>	<b>44,923</b>	<b>45,395</b>	<b>44,904</b>	<b>42,843</b>	<b>43,740</b>
Ohio	2,946	3,538	5,792	7,912	8,807	9,134	9,159	9,002	8,812	8,825
Indiana	2,163	3,177	4,373	5,971	6,471	7,420	7,479	7,426	7,187	7,187
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,157	12,188	11,994	11,997
Michigan	779	1,033	3,936	7,243	8,195	9,021	8,862	8,734	8,349	8,356
Wisconsin	905	1,525	2,155	5,584	6,531	7,475	7,638	7,554	7,501	7,375
<b>West North Central</b>	<b>1,473</b>	<b>3,046</b>	<b>19,094</b>	<b>28,354</b>	<b>42,908</b>	<b>49,730</b>	<b>52,949</b>	<b>52,180</b>	<b>51,356</b>	<b>51,732</b>
Minnesota		1,092	3,151	5,466	6,943	8,669	9,060	9,114	8,787	8,790
Iowa	655	2,083	5,400	8,356	9,185	9,765	9,978	9,808	9,314	9,311
Missouri	817	2,000	3,965	6,004	6,875	8,083	8,275	8,117	8,051	8,022
North Dakota		85	1,225	1,941	2,731	4,201	5,226	5,311	5,277	5,274
South Dakota		( <sup>5</sup> )	( <sup>5</sup> )	2,486	2,850	3,948	4,278	4,278	4,245	4,245
Nebraska		705	1,953	5,295	5,685	6,067	6,171	6,166	6,180	6,201
Kansas		1,501	3,400	8,806	8,719	9,007	9,261	9,388	9,493	9,379
<b>South Central</b>	<b>3,392</b>	<b>4,656</b>	<b>6,343</b>	<b>11,144</b>	<b>13,343</b>	<b>17,074</b>	<b>17,797</b>	<b>17,754</b>	<b>17,492</b>	<b>17,422</b>
Kentucky	534	1,017	1,530	2,746	3,060	3,626	3,802	3,929	4,005	4,110
Tennessee	1,253	1,492	1,843	2,752	3,137	3,816	4,101	4,078	4,093	4,050
Alabama	743	1,157	1,843	3,314	4,226	5,228	5,424	5,378	5,254	5,184
Mississippi	802	990	1,127	2,332	2,920	4,500	4,470	4,369	4,170	4,160
<b>West South Central</b>	<b>680</b>	<b>1,417</b>	<b>3,044</b>	<b>13,782</b>	<b>18,891</b>	<b>31,129</b>	<b>33,372</b>	<b>32,972</b>	<b>32,596</b>	<b>32,563</b>
Louisiana	335	450	652	1,759	2,824	5,554	5,729	5,221	4,898	4,824
Texas	307	711	3,244	8,613	9,886	14,282	15,631	16,125	16,198	16,266
Oklahoma			289	1,214	2,151	5,980	6,405	6,572	6,621	6,581
Arkansas	38	256	859	2,196	3,380	5,306	5,407	5,052	4,901	4,898
<b>Mountain</b>		<b>1,468</b>	<b>5,092</b>	<b>12,876</b>	<b>16,808</b>	<b>22,956</b>	<b>25,092</b>	<b>25,170</b>	<b>24,793</b>	<b>24,900</b>
Montana			106	2,181	3,010	4,207	4,544	5,072	5,057	5,095
Wyoming		450	512	942	1,229	1,645	1,891	1,931	1,992	1,994
Colorado		157	1,570	4,176	4,587	5,533	5,724	5,519	5,077	5,011
New Mexico			758	1,324	1,753	3,032	3,038	2,972	2,998	2,998
Arizona			349	1,097	1,512	2,007	2,360	2,478	2,378	2,390
Utah		257	842	1,090	1,547	1,986	2,111	2,161	2,189	2,190
Nevada		593	739	925	909	2,277	2,332	2,160	2,137	2,207
Idaho			206	941	1,261	2,179	2,792	2,877	2,915	2,900
<b>Pacific</b>	<b>23</b>	<b>1,084</b>	<b>3,992</b>	<b>7,667</b>	<b>10,389</b>	<b>14,932</b>	<b>17,126</b>	<b>17,248</b>	<b>17,304</b>	<b>17,325</b>
Washington			289	1,783	2,914	4,875	5,560	5,787	5,719	5,551
Oregon		159	608	1,428	1,724	2,265	3,115	3,307	3,351	3,303
California	23	925	2,195	4,356	5,751	7,772	8,451	8,366	8,288	8,277
Alaska					23	390	375	246	291	290
Hawaii						175	250	243	252	256

<sup>1</sup> Represents mileage operated

<sup>2</sup> Revised total 249,293 not distributed by States.

<sup>3</sup> Totals exclude Alaska and Hawaii

<sup>4</sup> Included in returns for Maryland

<sup>5</sup> Figures for Dakota.

<sup>6</sup> For total Dakota see North Dakota

Source: Interstate Commerce Commission.



## No. 402.—RAILWAY MILEAGE OWNED AND OPERATED

[NOTE.—See note to Table 400. Since 1890 the columns correspond to the first and third columns of that table. The exact basis of the data prior to 1890 is not stated. For years 1842 to 1889 and 1916 to date data relate to Dec. 31; for years 1890 to 1915 data relate to June 30]

Year	Owned	Operated	Year	Owned	Operated	Year	Owned	Operated
1842		4,026	1885		128,320	1906	224,363	222,340
1850		9,021	1886		136,338	1907	229,951	227,455
1855		18,374	1887		149,214	1908	233,468	230,494
1860		30,626	1888		156,114	1909	236,834	235,403
1865		35,085	1889		161,276	1910	240,293	240,831
1869		46,844	1890	163,597	156,404	1911	243,979	246,238
1870		52,922	1891	168,403	161,275	1912	246,777	249,852
1871		60,301	1892	171,564	162,397	1913	249,777	253,470
1872		66,171	1893	176,461	169,780	1914	252,105	256,547
1873		70,268	1894	178,709	175,691	1915	253,789	257,599
1874		72,385	1895	180,657	177,746	1916	254,037	259,706
1875		74,096	1896	182,777	181,983	1917	253,626	259,706
1876		76,808	1897	184,428	183,284	1918	253,529	258,507
1877		79,062	1898	186,396	184,648	1919	253,152	258,526
1878		81,747	1899	189,295	187,535	1920	252,845	259,941
1879		86,556	1900	193,346	192,556	1921	251,176	258,362
1880		93,262	1901	197,237	195,562	1922	250,413	257,425
1881		103,106	1902	202,472	200,155	1923	250,222	258,094
1882		114,677	1903	207,977	205,314	1924	250,156	258,238
1883		121,422	1904	213,904	212,243	1925	249,398	258,631
1884		128,345	1905	218,101	216,974	1926	249,138	258,815

Source: Poor's Manual of Railroads prior to 1890; Interstate Commerce Commission thereafter.

## No. 403.—MILEAGE OPERATED AND EQUIPMENT: CLASS I CARRIERS

[NOTE.—Mileage operated includes some duplication due to trackage rights and some mileage in Canada operated by United States companies. For car equipment in detail see Table 404]

Year ended Dec. 31	Mileage operated				Locomotives			Aggregate capacity of freight cars (1,000 tons)
	Road (first track)	Other main tracks	Yard track and sidings	Third track	Number, steam and electric	Tractive power, steam only		
						Aggregate (1,000 lbs.)	Average (lbs.)	
Total								
1916	231,674	34,120	96,334	364,127	61,232	2,024,119	23,186	92,280
1917	232,097	34,878	101,108	368,083	61,890	2,067,960	33,932	95,467
1918	233,145	36,029	103,263	372,437	63,889	2,223,246	34,993	96,767
1919	234,363	36,568	104,493	375,424	64,963	2,312,634	35,789	99,001
1920	235,234	36,737	105,406	377,379	64,746	2,340,761	36,365	98,343
1921	234,702	37,454	107,096	379,254	64,949	2,385,470	36,935	98,504
1922	234,976	37,704	109,463	382,143	64,512	2,401,452	37,441	98,847
1923	235,574	38,573	111,708	385,855	65,327	2,544,115	39,177	101,318
1924	235,894	39,735	112,253	387,882	65,358	2,563,178	39,891	104,149
1925	236,849	40,817	113,873	391,539	63,974	2,588,898	40,666	105,570
1926	237,054	41,537	116,353	394,944	62,761	2,611,238	41,866	105,963
Eastern district:								
1916	59,175	20,879	40,056	120,110	28,179	958,339	34,333	47,185
1921	58,885	22,108	43,031	124,024	29,468	1,118,251	38,313	49,161
1922	58,979	22,128	43,969	125,096	29,206	1,120,174	38,731	49,150
1923	59,302	22,404	44,820	126,526	29,479	1,193,235	40,868	49,633
1924	59,283	22,725	44,761	126,769	29,339	1,208,129	41,551	51,166
1925	59,249	22,882	45,054	127,185	28,409	1,193,573	42,406	51,449
1926	59,114	23,157	45,430	127,701	27,583	1,190,510	43,660	51,697
Southern district:								
1916	42,753	3,940	15,095	61,788	9,754	323,023	23,165	15,633
1921	43,828	4,476	17,379	65,680	10,780	401,290	27,273	17,174
1922	43,778	4,598	17,777	66,148	10,663	405,630	38,102	17,022
1923	43,694	4,694	18,188	66,776	10,893	428,806	39,435	17,818
1924	43,824	4,891	18,436	67,151	11,069	448,478	40,513	18,426
1925	44,241	5,707	19,199	69,147	11,158	457,579	41,112	18,969
1926	44,727	5,985	20,404	71,116	11,418	484,490	42,551	19,360
Western district:								
1916	129,746	9,310	42,583	181,639	23,399	742,757	31,827	29,463
1921	131,991	10,871	46,689	189,550	24,701	865,939	35,155	32,169
1922	132,219	10,983	47,697	190,899	24,641	875,647	35,636	32,675
1923	132,378	11,476	48,700	192,553	24,955	921,984	37,067	33,867
1924	132,787	12,119	49,056	193,962	24,939	936,574	37,674	34,556
1925	133,250	12,228	49,620	195,097	24,407	985,716	38,448	35,163
1926	133,213	12,395	50,519	196,127	23,760	936,236	39,524	34,897

<sup>1</sup> Includes second track, 25,867 miles; third track, 3,158 miles; fourth and other, 2,612 miles.

Source: Interstate Commerce Commission.

**No. 404.—RAILWAY EQUIPMENT IN SERVICE, ALL REPORTING COMPANIES**

[NOTE.—"All reporting companies" include switching and terminal but not circular and unofficial lines. Data for tractive power and capacity of cars exclude switching roads beginning with 1906 and smaller roads during recent years; they would not be materially different if all carriers were included. The large number of cars owned by private car lines is not included. Capacity figures for recent years are for Class I roads only.]

Year	Locomotives					Freight-train cars <sup>1</sup>			Passen- ger train cars
	Total num- ber	Steam			Elec- tric, num- ber	Total number	Capacity		
		Num- ber	Tractive capacity				Aggre- gate (1,000 tons)	Aver- age (tons)	
			Aggregate (1,000 lbs.)	Average (lbs.)					
June 30, 1890	30,140					918,491			26,820
1895	35,899					1,190,119			33,112
1900	37,663					1,365,531			34,713
1905	48,357		1,128,771	23,566		1,731,409	53,255	30.8	40,713
1910	60,019		1,588,894	27,282		2,148,478	76,579	35.9	47,179
1914	67,012		1,631,954	30,420		2,349,734	90,977	39.1	54,402
1915	66,502	66,229	2,014,201	31,546	273	2,341,567	92,238	39.6	56,810
Dec. 31, 1916	65,595	65,253	2,005,166	32,800	342	2,329,475	94,441	40.8	55,103
1917	66,070	65,609	2,087,950	33,932	371	2,379,472	95,467	41.5	55,939
1918	67,036	67,563	2,223,346	34,996	373	2,397,943	96,767	41.6	56,611
1919	68,977	68,592	2,312,634	35,789	385	2,426,889	99,001	41.9	56,290
1920	68,942	68,554	2,340,761	36,365	388	2,388,424	98,843	42.4	56,102
1921	69,122	68,733	2,385,470	36,935	389	2,378,510	98,504	42.5	56,960
1922	68,518	68,121	2,401,452	37,441	397	2,352,483	98,847	43.1	56,827
1923	69,414	69,005	2,544,115	39,177	409	2,379,131	101,318	43.8	57,159
1924	69,496	69,114	2,503,178	39,891	372	2,411,627	104,149	44.3	57,461
1925	69,092	67,713	2,586,868	40,666	379	2,414,083	105,570	44.8	56,814
1926	66,816	66,381	2,611,228	41,886	435	2,403,967	105,953	45.1	56,855

<sup>1</sup> Excludes cabooses cars.

<sup>2</sup> Class I, Class II, and Class III roads.

<sup>3</sup> Class I and Class II roads.

<sup>4</sup> Class I roads.

Source: Interstate Commerce Commission.

**No. 405.—CLASSIFICATION OF RAILWAY CARS IN SERVICE**

[NOTE.—Data relate to June 30 prior to 1916 and Dec. 31 thereafter. Figures for "All operating companies" include switching and terminal companies but not circular and unofficial lines. Cars owned by private car lines, roughly equaling one-tenth of those owned by railway companies, are not included.]

	All operating companies					Class I			
	1910	1915	1920	1925	1926	1916	1920	1925	1926
Freight cars <sup>1</sup>	2,148,478	2,341,567	2,388,424	2,414,065	2,403,967	2,258,856	2,323,123	2,367,234	2,346,679
Box	966,603	1,041,695	1,056,514	1,066,562	1,065,863	1,029,882	1,049,262	1,078,004	1,076,332
Flat	153,958	146,343	117,604	113,562	112,171	127,596	104,987	103,324	102,009
Stock	78,811	86,326	81,678	87,452	85,621	84,906	80,774	86,936	84,971
Coal	818,731	910,637	908,034	979,483	974,587	872,971	933,129	951,608	948,823
Tank	7,424	10,165	11,130	12,151	11,808	9,161	10,380	10,737	10,432
Refrigerator	30,918	52,446	60,768	49,488	45,517	52,299	59,677	48,711	44,828
Other	78,666	93,955	92,696	85,385	88,350	81,980	83,913	77,854	81,274
Steel	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	501,309	630,150	757,065	784,191
Steel underframe	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	676,176	886,296	1,056,125	1,076,606
Cabooses cars	27,224	28,965	29,675	31,325	31,302	27,937	28,585	30,317	30,268
Passenger-train cars	47,179	55,810	56,109	56,814	56,856	53,690	53,501	54,622	54,773
Coaches	25,881	30,135	29,343	28,744	28,657	28,481	27,953	27,616	27,619
Combination	5,697	8,847	8,570	8,624	8,586	7,844	7,735	7,806	7,776
Emigrant	97	50	11	7	5	50	11	7	5
Parlor	634	651	574	502	478	627	500	493	469
Sleeping	490	750	658	377	332	745	555	374	329
Baggage and ex- press	11,524	9,938	12,101	13,174	13,343	9,736	11,929	13,026	13,195
Postal	( <sup>2</sup> )	1,566	1,243	1,092	1,017	1,553	1,239	1,089	1,014
Other	2,752	3,873	3,702	4,294	4,437	3,650	3,519	4,212	4,306
Steel	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	10,859	15,111	21,190	23,513
Steel underframe	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6,160	8,573	9,369	9,545
Company service equipment	80,891	98,752	108,485	112,592	113,363	93,224	104,805	108,929	109,615

<sup>1</sup> Excludes cabooses cars. Total for 1910 includes 13,357 unclassified cars.

<sup>2</sup> Data not available.

<sup>3</sup> Includes 104 unclassified cars.

<sup>4</sup> Postal cars included with baggage and express.

Source: Interstate Commerce Commission.

**No. 406.—FREIGHT-CAR PERFORMANCE AND EQUIPMENT CONDITION**

[NOTE.—Data relate to Class I carriers. Yearly averages for 1920, 1921, and 1922 were as follows: Freight car-miles per car day, 1920, 25.1; 1921, 22.4; 1922, 23.5; percentage of unserviceable freight cars, 1920, 7.0; 1921, 13.1; 1922, 12.8; percentage of unserviceable locomotives, 1920, 24.5; 1921, 23.7; 1922, 24.9]

Month	Freight car-miles per car day					Percentage of unserviceable freight cars					Percentage of unserviceable locomotives				
	1923	1924	1925	1926	1927	1923	1924	1925	1926	1927	1923	1924	1925	1926	1927
Yearly average.....	27.8	24.9	26.5	30.4	30.4	8.0	7.2	7.7	6.5	5.9	21.4	18.7	17.8	16.6	18.2
January.....	25.8	24.9	26.5	27.6	28.5	9.0	6.7	8.0	6.6	5.0	25.6	18.8	18.8	17.1	16.6
February.....	24.8	27.4	26.9	28.6	30.4	8.8	7.0	7.8	6.7	5.7	24.8	19.0	18.8	17.3	16.8
March.....	27.0	27.2	26.4	29.2	30.9	8.8	7.1	7.8	6.7	5.6	24.4	19.2	18.9	17.6	17.0
April.....	26.0	25.5	26.6	29.0	29.5	8.8	7.4	7.9	6.7	5.6	23.6	19.1	18.5	17.5	16.9
May.....	26.6	25.8	27.4	29.8	30.2	8.9	7.7	8.1	6.8	5.9	22.4	18.8	18.0	17.0	16.6
June.....	28.3	25.1	27.5	30.1	30.0	8.8	8.0	8.3	6.9	6.1	21.5	18.6	17.7	16.6	16.4
July.....	27.8	25.5	27.8	30.5	29.1	8.1	8.4	8.2	7.0	6.2	21.0	18.5	17.3	16.1	15.8
August.....	28.3	26.6	29.6	31.5	30.9	7.8	8.6	8.1	7.0	6.2	19.6	18.3	17.1	16.1	15.7
September.....	29.2	28.8	30.8	32.7	32.6	7.3	8.7	7.8	6.6	6.0	18.6	18.3	17.1	15.8	15.2
October.....	30.7	30.6	32.3	34.3	34.7	6.8	8.2	7.1	6.1	5.9	18.2	16.4	17.2	15.8	15.5
November.....	29.3	28.4	31.0	32.1	30.2	6.6	7.8	6.9	5.8	5.9	18.5	18.5	17.2	16.3	16.2
December.....	28.6	25.6	28.0	29.3	26.9	6.6	7.9	6.8	5.5	5.8	18.5	18.4	16.9	16.0	15.6

Source: Bureau of Railway Economics

**No. 407.—RECEIVERSHIPS AND FORECLOSURE SALES OF RAILWAYS**

Yearly average or year (calendar years except as noted)	Under receiver- ship end of year <sup>1</sup>		Placed under receivership			Sold under foreclosure		
	Num- ber	Mileage operated	Num- ber	Miles	Stocks and bonds	Num- ber	Miles	Stocks and bonds
1891-1890.....	122	22,112	20	3,657	\$180,365,000	26	3,022	\$163,950,200
1891-1900.....	31	1,455	30	6,435	362,580,900	37	5,946	380,455,600
1901-1905.....	40	6,643	7	963	47,735,000	14	718	88,010,900
1906-1910.....	57	15,899	10	2,025	158,901,700	9	849	74,063,422
1911-1915.....	85	30,223	14	7,965	428,177,855	10	1,718	104,282,915
1915.....	80	34,804	12	20,143	1,070,808,628	11	3,914	285,258,782
1916.....	82	17,376	9	4,439	208,159,689	26	8,355	703,444,855
1917.....	74	19,208	19	2,486	81,169,062	20	10,963	557,846,348
1918.....	65	16,360	8	3,519	242,090,800	11	763	24,735,187
1919.....	61	16,280	7	244	11,886,779	8	459	15,479,587
1920.....	68	13,512	10	541	21,620,150	7	380	7,076,200
1921.....	64	15,259	14	1,744	63,872,113	11	4,173	306,123,942
1922.....	64	12,628	12	4,330	109,821,062	15	6,151	299,491,646
1923.....	61	8,105	10	2,218	57,913,581	8	637	14,622,900
1924.....	53	18,667	11	920	30,223,372	14	3,992	280,251,062
1925.....	45	17,632	5	11,130	679,679,680	6	638	9,965,000
1926.....	45	17,632	2	40	—	12	12,852	626,662,708
1927.....	—	—	6	924	45,236,874	5	112	4,264,000

<sup>1</sup> Data relate to June 30 prior to 1916, Dec. 31 thereafter.

<sup>2</sup> Average for 1894 to 1900.

Sources: First two columns, Interstate Commerce Commission; others, The Railway Age, Chicago.

**No. 408.—EMPLOYEES OF RAILWAYS: NUMBER AND COMPENSATION <sup>1</sup>**

Year ended—	All reporting carriers				Year ended Dec. 31	All reporting carriers Average number of employees	Class I carriers			
	Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation				Average number of employees	Total yearly compensation (1,000 dollars)	Average compensation	
			Per hour <sup>1</sup>	Per year					Per hour <sup>1</sup>	Per year
June 30:					1916	1,700,814	1,647,097	1,468,576	\$0.283	\$992
1896	785,034	445,508		\$588	1917	(1)	1,732,876	1,739,462	.320	1,004
1900	1,017,653	577,265		567	1918	(1)	1,841,575	2,613,513	.458	1,419
1905	1,382,196	839,945		606	1919	(1)	1,913,422	2,843,128	.565	1,496
1910	1,699,420	1,143,725		673	1920	(1)	2,022,832	3,681,801	.676	1,820
1911	1,669,809	1,208,466		724	1921	(1)	1,659,513	2,765,218	.667	1,666
1912	1,716,380	1,252,348		730	1922	1,669,640	1,626,834	2,640,817	.613	1,623
1913	1,815,239	1,373,831		757	1923	1,902,222	1,857,674	3,004,072	.610	1,617
1914	1,710,396	1,381,117		808	1924	1,795,493	1,761,362	2,823,775	.623	1,613
1916	1,654,075	1,403,968	\$0.266	849	1925	1,786,411	1,744,311	2,880,600	.631	1,640
Dec. 31					1926	1,821,904	1,779,275	2,946,114	.631	1,656
1916	1,700,814	1,506,961	.275	886	1927	1,778,788	1,737,342	2,910,945	.643	1,676

<sup>1</sup> Data exclude switching and terminal companies beginning 1910. Class III roads are excluded in 1913. Exclusion of the latter has practically no effect on the comparability of the figures.

<sup>2</sup> Calculated for all classes of employees, including those not paid on an hourly basis.

<sup>3</sup> Data not available.

<sup>4</sup> Estimated, Class I total taken as 97.67 per cent of employees of all carriers.

Source: Interstate Commerce Commission.

## No. 409.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS

[NOTE.—Data relate to years ended Dec. 31. Class I switching and terminal companies are included. Average compensation in fifth and sixth columns is per day where so indicated in the footnote or stub. Data shown for principal occupations only. Data for occupations not shown included in group totals.]

Occupation	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1926	1927	1926	1927	1926	1927	1926	1927
<b>All employees, all districts.</b>	<b>1,906,779</b>	<b>1,760,998</b>	<b>2,990,443</b>	<b>2,953,911</b>				
Daily basis	136,868	125,038	326,644	333,274	7.36	8.16	317	322
Hourly basis	1,680,304	1,635,960	2,663,800	2,619,637	.567	.698	132	133
<b>Eastern district.</b>	<b>788,556</b>	<b>766,769</b>	<b>1,381,337</b>	<b>1,363,303</b>				
Daily basis	61,353	60,887	152,348	165,859	7.51	7.77	307	313
Hourly basis	727,203	705,882	1,229,011	1,197,443	.623	.641	141	143
<b>Southern district.</b>	<b>360,336</b>	<b>340,681</b>	<b>543,296</b>	<b>519,737</b>				
Daily basis	20,388	20,412	46,233	54,928	8.53	8.65	230	234
Hourly basis	339,948	320,269	497,063	464,811	.547	.651	119	120
<b>Western district.</b>	<b>858,880</b>	<b>653,548</b>	<b>1,065,789</b>	<b>1,070,179</b>				
Daily basis	45,627	43,839	117,666	120,489	8.33	8.44	226	229
Hourly basis	613,253	609,709	947,824	949,683	.670	.674	189	190
<b>Executives, officials, and staff assistants</b>	<b>16,848</b>	<b>17,006</b>	<b>90,039</b>	<b>93,006</b>				
Daily basis	16,848	17,006	90,039	93,006	16.65	17.83	445	456
Executives, general officers, and assistants	7,442	7,519	32,384	34,255	22.81	23.37	587	601
Division officers and assistants	9,406	9,487	37,655	38,751	12.33	12.57	334	340
<b>Professional, clerical, and general.</b>	<b>385,339</b>	<b>390,973</b>	<b>469,439</b>	<b>473,890</b>				
Daily basis	52,074	51,473	117,955	121,809	7.12	7.29	186	190
Hourly basis	333,265	339,500	351,477	352,081	.589	.604	126	129
Supervisory clerks (major departments)	5,099	5,066	14,561	14,755	9.17	9.36	235	243
Chief clerks (minor departments)	13,175	13,165	29,324	29,937	7.03	7.19	186	190
Clerks	167,640	163,200	261,066	260,482	.608	.625	130	133
Mechanical device operators (office)	8,443	8,318	11,106	11,188	.537	.560	110	112
Stenographers and typists	21,820	21,589	30,849	31,228	.580	.593	118	121
Telephone switchboard operators and office assistants	5,228	5,192	4,816	4,922	.375	.387	77	79
Messengers and office boys	6,634	6,512	4,657	4,045	2.23	2.26	59	59
Lieutenants and sergeants of police	2,473	2,499	5,091	5,214	5.87	5.97	172	174
Patrolmen	5,888	5,610	10,431	10,102	.545	.553	148	150
Traffic, advertising, and development agents	6,915	7,236	16,082	19,386	18.50	18.66	218	222
Janitors and cleaners	7,896	7,862	7,424	7,498	.365	.370	78	79
<b>Maintenance of way and structures</b>	<b>418,168</b>	<b>421,536</b>	<b>465,647</b>	<b>470,896</b>				
Daily basis	4,907	5,081	14,849	14,935	9.11	9.19	245	246
Hourly basis	413,261	416,455	450,797	455,961	.438	.445	91	91
Roadmasters and general foremen	3,363	3,406	10,026	10,246	9.28	9.30	248	251
Bridge and building gang foremen (skilled)	5,610	5,545	11,493	11,469	.803	.814	171	172
Bridge and building carpenters	23,489	22,503	34,678	33,952	.602	.614	123	125
Bridge and building painters	3,341	2,970	4,753	4,356	.606	.622	119	122
Skilled trade helpers	11,333	10,651	13,312	12,767	.467	.494	98	100
Pumping equipment operators	5,469	5,066	5,506	5,167	.335	.336	84	85
Gang foremen (extra gang, work train, bridge, and building in signal and telegraph branches)	5,275	5,157	9,221	9,038	.641	.641	140	146
Gang foremen (extra gang and work train)	39,695	40,430	60,538	62,527	.588	.602	127	129
Truck and roadway section foremen	6,517	7,047	63,636	65,329	.165	.164	79	78
Maintenance of way laborers (not track and roadway)	215,389	215,932	188,877	190,026	.354	.355	74	73
General foremen and supervising inspectors (signal, telegraph, etc.)	509	400	1,640	1,714	9.44	9.57	264	255
Gang foremen (signal and telegraph skilled trade)	1,520	504	3,622	3,841	.914	.927	99	201
Skilled trade and extra main line laborers	9,244	9,445	17,774	18,545	.745	.765	160	164
Assistant signalmen and signal maintainers	3,376	3,508	4,880	5,386	.587	.610	120	126
Signalmen and signal maintainer helpers	4,293	4,057	5,233	5,120	.497	.516	102	105

1 Daily basis.

## No. 409.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS—Con.

Occupation	Average number of employees		Total compen- sation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month total com- pensation (dollars)	
	1926	1927	1926	1927	1926	1927	1926	1927
<b>Maintenance of equipment and stores</b>	319,863	490,730	819,970	777,963				
<i>Daily basis</i>	17,001	16,498	50,386	49,539	8.96	9.03	847	860
<i>Hourly basis</i>	504,851	474,234	769,584	728,424	.600	.619	129	126
General foremen	1,464	1,445	5,303	5,277	10.77	10.85	302	304
Assistant general and department foremen	11,338	11,101	35,299	34,539	9.23	9.30	249	262
Gang foremen and leaders (skilled)	11,737	11,059	30,886	29,468	.922	.928	219	222
Blacksmiths	9,042	8,451	16,724	15,541	.788	.801	154	153
Boiler makers	19,329	18,314	37,212	35,483	.778	.794	160	161
Carmen	113,123	105,119	199,109	188,704	.708	.721	147	150
Electrical workers	10,273	10,515	19,982	20,696	.730	.749	162	164
Machinists	60,874	58,792	115,561	111,874	.768	.781	158	159
Sheet metal workers	11,636	11,418	22,072	21,460	.768	.781	158	158
Skilled trades helpers	114,574	106,050	151,510	145,280	.532	.545	110	112
Helper apprentices	7,594	6,394	10,020	8,553	.563	.582	110	111
Regular apprentices	14,011	12,381	13,492	11,906	.419	.429	80	80
Gang foremen laborers (shops, engine houses, power plants, stores)	4,186	4,027	6,805	6,574	.595	.600	136	136
Coach cleaners	12,896	12,667	14,458	14,506	.400	.410	93	96
Laborers	103,605	97,545	107,828	102,108	.400	.404	87	87
Stationary engineers and firemen	8,112	7,800	13,752	13,412	.580	.589	141	143
<b>Transportation (other than train service, engine, and yard)</b>	306,468	305,036	307,061	304,836				
<i>Daily basis</i>	26,579	26,981	31,514	31,774	3.39	3.45	100	108
<i>Hourly basis</i>	183,089	179,055	275,547	273,062	.549	.560	125	127
Train dispatchers and directors	5,418	5,386	17,514	17,667	1.185	1.207	269	273
Station agents—								
Nontelegraphers—								
Supervisory—major stations	2,496	2,513	7,565	7,679	9.26	9.33	253	266
Supervisory—smaller stations	5,431	5,376	11,409	11,445	.778	.791	175	177
Nonsupervisory—smaller stations	3,584	3,426	4,394	4,200	.472	.481	102	104
Telegraphers and telephoners	19,170	19,077	33,006	33,668	.626	.633	146	147
Clerks telegraphers and telephoners	13,836	13,614	24,023	23,945	.616	.625	145	147
Telegraphers, telephoners, and towermen	23,656	24,679	46,247	45,284	.640	.652	150	153
Baggage agents and assistants	772	767	1,295	1,306	.568	.580	140	142
Baggage, parcel-room, and station attendants	9,416	9,171	11,530	11,513	.440	.454	102	105
Gang foremen (freight station, warehouse, grain elevator, and dock labor)	3,623	3,627	6,213	6,297	.680	.682	143	145
Callers, loaders, scalers, sealers, and perishable-freight inspectors	15,810	15,513	20,502	19,768	.513	.520	108	106
Truckers	39,256	37,063	43,571	41,653	.462	.452	93	94
Laborers	5,964	6,033	7,313	7,054	.437	.426	102	97
Crossing and bridge flagmen and gatemen	22,315	21,891	20,146	20,226	2.50	2.56	75	77
<b>Transportation (yardmasters, switch tenders, and hostlers)</b>	34,336	33,408	54,197	53,876				
<i>Daily basis</i>	7,159	7,020	22,330	22,371	8.54	8.73	260	266
<i>Hourly basis</i>	17,077	16,388	31,867	31,504	.649	.676	156	160
Yardmasters and assistants	7,159	7,020	22,330	22,371	8.54	8.73	260	266
Switch tenders	5,771	5,620	9,775	10,030	.600	.637	141	149
Hostlers	9,393	8,907	18,541	18,151	.692	.716	166	170
<b>Transportation (train and engine service)</b>	331,869	322,330	791,197	778,955				
<i>Hourly basis</i>	331,869	322,330	791,197	778,955	.783	.812	199	201
Road passenger conductors	10,481	10,392	31,190	31,916	.908	.928	248	266
Road freight conductors	25,733	24,821	71,668	70,042	.806	.835	232	235
Road passenger baggagemen	5,768	5,712	12,912	13,424	.656	.661	187	196
Road passenger brakemen and flagmen	14,072	13,938	28,351	28,896	.634	.643	164	173
Road freight brakemen and flagmen	61,576	59,384	128,717	125,251	.639	.663	174	176
Yard conductors and yard foremen	22,066	21,437	53,395	53,537	.838	.843	202	208
Yard brakemen and yard helpers	65,334	63,663	113,802	114,108	.773	.813	171	177
Road passenger engineers and motormen	13,027	12,971	41,826	41,916	1.163	1.193	298	299
Road freight engineers and motormen	31,503	30,521	101,039	96,132	.945	.977	267	262
Yard engineers and motormen	22,253	21,563	55,899	53,942	.875	.889	209	207
Road passenger firemen and helpers	12,498	12,254	30,109	30,487	.903	.944	201	207
Road freight firemen and helpers	33,541	32,315	78,130	73,971	.728	.754	189	191
Yard firemen and helpers	22,727	22,100	43,140	42,444	.681	.708	168	160

\* Daily basis.

Source: Interstate Commerce Commission.

No. 410.—CAPITALIZATION OF RAILROADS: ALL REPORTING COMPANIES

[NOTE.—All amounts except "per mile of road" in millions of dollars. Switching and terminal companies excluded beginning with 1908; their total capitalization in 1926 was \$701,127,870. Figures include both operating and nonoperating railways. The gross figures include considerable amounts of securities held by the companies issuing them as well as larger amounts held by other railway companies]

Year	Total capitalization				Held by railroads		Net capitalization				
	Total	Common stock	Preferred stock	Funded debt	Stock	Funded debt	Total	Per mile of road (dollars)	Stock	Funded debt	Funded debt, per cent of total
June 30, 1890.....	8,984	3,803	606	4,575	964	443	7,577	-----	3,445	4,132	54.5
1895.....	10,347	4,202	760	5,385	1,052	396	8,900	-----	3,910	4,989	56.1
1900.....	11,491	4,522	1,323	5,645	1,470	473	9,548	-----	4,375	5,172	54.2
1905.....	13,805	5,181	1,374	7,251	2,070	568	11,167	-----	4,485	6,683	59.8
1910.....	18,417	6,710	1,403	10,303	2,555	1,486	14,376	62,819	5,559	8,817	61.3
Dec. 31, 1916.....	21,049	7,594	1,455	12,000	2,633	2,084	16,333	66,591	6,416	9,917	60.7
1917.....	21,249	7,455	1,848	11,947	2,720	2,128	16,402	66,699	6,583	9,819	59.9
1918.....	20,785	7,249	1,806	11,730	2,323	2,008	16,454	66,893	6,732	9,722	59.1
1919.....	20,950	7,193	1,898	11,859	2,314	2,086	16,550	67,170	6,777	9,773	59.1
1920.....	21,891	7,216	1,898	12,778	2,407	2,490	16,994	68,787	6,707	10,287	60.5
1921.....	22,292	7,275	1,800	13,216	2,402	2,807	17,083	69,816	6,673	10,409	60.9
1922.....	22,290	7,307	1,834	13,149	2,390	2,621	17,280	70,899	6,751	10,528	60.9
1923.....	22,839	7,398	1,852	13,589	2,402	2,626	17,810	73,417	6,847	10,963	61.6
1924.....	23,636	7,539	1,935	14,162	2,668	2,766	18,202	75,322	6,806	11,396	62.6
1925.....	23,644	7,602	1,937	14,105	2,654	2,800	18,190	74,400	6,885	11,305	62.1
1926.....	23,677	7,560	1,925	14,192	2,654	2,789	18,234	74,398	6,831	11,403	62.5

No. 411.—RAILWAY STOCK OUTSTANDING, DIVIDENDS, AND INTEREST

[NOTE.—Data relate to years ending June 30 prior to 1916 and to calendar years thereafter. Nonoperating as well as operating roads are included. Switching and terminal roads are excluded since 1908. Dividend figures throughout cover all classes of roads but interest figure for 1913 excludes the unimportant Class III roads. The amount of stock shown in the first column is exclusive of stock held by the issuing company but includes that held by other railway companies]

Year or yearly average	Stock			Dividends			Interest accrued on funded debt (1,000 dolls.)
	Actually outstanding (1,000 dolls.)	Paying dividends (1,000 dolls.)	Per cent paying dividends	Amount declared (1,000 dolls.)	Per cent on stock paying dividends	Per cent on all stock outstanding	
1891-1895.....	-----	1,737,048	-----	94,093	5.42	-----	243,013
1896-1900.....	-----	1,977,832	-----	104,295	5.27	-----	249,548
1901-1905.....	-----	3,505,694	-----	199,752	5.70	-----	285,755
1906-1910.....	-----	4,930,368	-----	339,685	6.89	-----	363,470
1911-1915.....	8,561,050	5,595,888	65.36	401,944	7.18	4.70	436,177
1916-1920.....	8,866,429	5,310,622	59.90	350,789	6.61	3.96	480,053
1921-1925.....	9,131,529	5,669,613	62.09	400,389	7.06	4.38	558,375
1901.....	-----	2,977,575	51.27	156,736	5.28	2.70	262,095
1902.....	-----	3,337,645	55.40	185,392	5.55	3.08	274,422
1903.....	-----	3,450,738	56.06	196,728	5.70	3.20	283,953
1904.....	-----	3,643,427	57.47	221,941	6.09	3.50	297,675
1905.....	-----	4,119,067	62.84	237,964	5.78	3.63	310,632
1906.....	-----	4,526,959	66.54	272,796	6.03	4.01	322,556
1907.....	-----	4,948,756	67.27	308,089	6.23	4.19	344,243
1908.....	7,300,739	4,843,371	65.69	390,695	8.07	5.30	368,296
1909.....	7,612,411	4,920,174	64.01	321,072	6.53	4.18	382,675
1910.....	8,010,730	5,412,578	66.71	405,771	7.50	5.00	399,582
1911.....	8,363,276	5,730,250	67.65	460,195	8.03	5.42	410,327
1912.....	8,552,447	5,581,289	64.73	400,315	7.17	4.64	420,027
1913.....	8,599,993	5,780,982	66.14	369,078	6.37	4.22	434,753
1914.....	8,654,215	5,667,073	64.39	451,653	7.97	5.13	442,595
1915.....	8,635,319	5,219,847	60.45	328,478	6.29	3.80	464,186
1916.....	8,755,404	5,430,123	62.02	366,561	6.75	4.19	481,426
1917.....	9,003,797	5,610,774	62.32	381,852	6.81	4.24	474,123
1918.....	8,846,717	5,138,851	58.09	339,186	6.60	3.83	468,286
1919.....	8,883,125	5,298,321	59.64	335,242	6.33	3.77	476,075
1920.....	8,843,100	5,075,040	57.30	331,103	6.52	3.74	500,354
1921.....	8,889,921	5,059,844	56.92	456,482	9.02	5.13	529,398
1922.....	8,961,637	5,321,347	59.38	338,806	6.37	3.78	538,594
1923.....	9,092,933	5,646,076	62.09	411,882	7.30	4.53	551,705
1924.....	9,300,054	6,042,268	64.97	385,130	6.37	4.14	588,301
1925.....	9,413,101	6,278,532	66.70	409,645	6.52	4.35	583,875
1926.....	9,365,272	6,473,280	69.12	473,683	7.32	5.06	581,709

Source of Tables 410 and 411: Interstate Commerce Commission.



## No. 412.—RAILWAY SECURITIES ACTUALLY OUTSTANDING

[NOTE.—All figures in thousands of dollars. Data relate to Dec. 31. Capital actually outstanding represents securities in the hands of the public or of railway companies other than those issuing same; securities held by or for the issuing company are excluded. Switching and terminal companies are not included.]

Security and year	All railroads				Class I	Class II	Class III	Non-operating subsidiaries
	All districts	Eastern district	Southern district	Western district				
<b>Total:</b>								
1916.....	19,630,610	7,506,045	2,880,243	9,244,322	16,068,847	660,027	143,862	2,787,874
1920.....	20,098,046	7,881,150	3,004,882	9,212,314	16,855,230	537,113	107,269	2,506,434
1925.....	21,734,096	8,527,168	3,444,426	9,762,502	18,098,164	437,022	86,157	3,112,758
1926.....	21,748,806	8,510,392	3,518,220	9,720,194	18,256,527	427,069	84,436	2,980,774
<b>Stock:</b>								
1916.....	8,755,403	3,426,697	1,167,376	4,161,330	6,953,102	382,614	91,634	1,328,053
1920.....	8,843,100	3,474,212	1,166,809	4,202,079	7,208,725	286,688	67,247	1,279,430
1925.....	9,418,101	3,771,338	1,324,472	4,317,291	7,633,456	253,208	56,452	1,469,965
1926.....	9,365,272	3,737,040	1,344,673	4,283,559	7,685,014	245,199	55,731	1,379,328
<b>Funded debt:</b>								
1916.....	10,875,207	4,079,348	1,712,867	5,082,992	9,135,745	277,413	52,228	1,469,821
1920.....	11,284,946	4,406,938	1,837,773	5,010,235	9,645,496	250,425	40,022	1,319,004
1925.....	12,320,995	4,755,830	2,119,964	5,445,211	10,464,708	183,814	29,706	1,642,768
1926.....	12,383,534	4,773,352	2,173,547	5,436,635	10,571,513	181,870	28,706	1,601,446
<b>1926</b>								
Common stock.....	7,450,653	3,150,606	1,139,820	3,160,228	5,935,372	220,549	51,571	1,243,161
Preferred stock.....	1,914,619	586,435	204,863	1,123,331	1,749,641	24,650	4,161	136,167
Mortgage bonds.....	9,353,093	3,425,087	1,592,190	4,365,816	7,744,026	167,207	25,955	1,445,905
Collateral trust bonds.....	1,061,866	503,621	194,754	363,491	1,005,865	1,390	235	54,386
Income bonds.....	313,624	28,677	39,989	244,958	280,893	3,656	1,249	27,826
Miscellaneous obligations.....	528,104	312,335	57,712	158,057	472,125	2,870	818	52,291
Equipment obligations.....	1,096,847	503,632	288,903	304,312	1,068,604	6,757	447	21,039

## No. 413.—PROPERTY INVESTMENT, INCOME, INTEREST, AND DIVIDENDS: REPORTED BY OPERATING ROADS

[NOTE.—Investment is as reported by the carrier and should not be confused with the tentative valuation fixed by the Interstate Commerce Commission. It relates only to railway property, but includes leased lines, which are not included, however, under the other columns. All data exclude switching and terminal companies. See also footnotes.]

Year ended—	Investment <sup>1</sup>	Investment per mile of road	Net railway operating income	Return on investment	Other income	Interest, rents, and other deductions	Dividends declared
June 30	Dollars	Dollars	Dollars	Per ct.	Dollars	Dollars	Dollars
1910 <sup>2</sup> .....	14,557,816,090	64,382.45	805,097,141	5.53	222,914,561	511,416,980	351,202,272
1913.....	16,588,603,109	69,780.20	806,800,900	4.86	243,569,221	564,418,747	327,967,396
1914.....	17,153,785,568	72,079.91	874,189,999	3.93	246,186,804	576,466,952	340,339,400
1915.....	17,441,420,382	73,207.64	694,274,111	3.98	189,300,358	575,197,902	264,267,107
1916.....	17,680,425,438	73,794.82	1,002,934,791	5.67	193,457,547	594,878,443	286,618,166
<b>Dec. 31</b>							
1916.....	17,642,778,668	74,465.53	1,058,505,501	5.93	213,334,109	623,179,643	311,876,409
1917.....	18,574,297,873	77,162.81	950,556,850	5.12	223,252,283	574,260,447	325,600,752
1918.....	18,984,756,478	78,820.34	646,223,098	3.40	( <sup>3</sup> )	567,587,844	279,429,286
1919.....	19,300,120,717	79,974.46	454,132,156	2.35	( <sup>3</sup> )	530,558,965	281,569,422
1920.....	19,849,312,946	81,954.15	12,100,739	0.6	( <sup>3</sup> )	540,515,977	275,348,254
1921.....	20,329,223,403	84,530.49	601,135,916	2.98	375,000,544	602,375,135	403,990,775
1922.....	20,580,168,260	86,003.64	769,411,093	3.74	265,032,856	655,646,742	275,721,615
1923.....	21,372,658,161	89,619.12	974,917,715	4.56	260,655,476	667,615,624	353,126,404
1924.....	22,182,267,385	93,232.69	964,463,481	4.44	269,167,830	684,558,676	325,983,454
1925.....	22,736,993,054	95,594.35	1,136,728,016	5.00	268,142,618	688,386,996	349,069,172
1926.....	23,880,740,146	97,433.03	1,220,020,188	5.33	297,929,300	701,964,964	411,307,813

<sup>1</sup> Prior to 1926, figures include investment of leased lines and exclude investment of proprietary companies which do not render annual reports. Beginning with 1926, the investment in road and equipment of proprietary companies is included. On a comparable basis, the investment for 1926 would be only \$663,531,228 greater than that for 1925. In this column no allowance is made for cash and material and supplies, and no deduction is made for depreciation.

<sup>2</sup> Investment originally published is increased by \$170,000,000, estimated reserve for depreciation.

<sup>3</sup> Does not include returns for Class II and Class III companies.

<sup>4</sup> Figures not comparable on account of Federal control accounting requirements.

Source of Tables 412 and 413: Interstate Commerce Commission.



## No. 414.—FREIGHT TRAFFIC: TRAIN AND CAR MOVEMENT

[NOTE.—Figures prior to 1916 relate to years ended June 30, thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. The tonnage "per loaded car" for "All roads" is based on revenue tonnage only, and for "Class I roads" on revenue and nonrevenue tonnage, with exception of the "District" figures for 1916-1920.]

Class and year or yearly average	Train-miles (thousands)	Car-miles (thousands)		Tons of revenue freight		Freight revenue		Average miles per car per day
		Loaded (revenue and non-revenue)	Empty	Per train	Per loaded car	Per train-mile (dollars)	Per loaded car-mile (cents)	
<b>All roads:</b>								
1891-1895	467,299			184		1.62		
1896-1900	489,723			229		1.76		
1901-1905	519,896	9,631,428	4,320,390	304	17.4	2.35		
1906-1910	603,106	11,754,421	5,234,008	359	19.5	2.72		
1911-1915	608,512	13,369,203	6,160,216	432	20.7	3.19		
1916-1920	617,430	15,444,150	6,904,625	604	25.3	(?)		
1921-1925	577,844	15,242,111	8,096,532	621	24.6	(?)		
1906	594,008	11,410,599	5,176,955	344	18.9	2.61		
1907	629,996	12,021,326	5,063,572	357	19.7	2.74		
1908	587,218	11,128,231	5,153,181	352	19.6	2.65		
1909	568,855	11,360,655	5,242,995	363	19.3	2.76		
1910	535,451	12,851,295	5,496,337	380	19.8	2.86		
1911	626,496	12,859,386	5,832,515	383	19.7	2.90		
1912	612,345	13,088,332	5,767,144	407	20.2	3.02		
1913	642,841	14,271,944	6,120,861	445	21.1	3.24		
1914	607,872	13,686,818	6,531,274	447	21.1	3.31		
1915	552,004	12,939,535	6,694,287	476	21.1	3.47	15.5	
1916	632,304	15,855,103	6,779,225	552	22.8	3.92	16.3	
1917	646,402	15,911,203	6,780,872	588	24.8	(?)	(?)	
1918	628,436	14,695,567	7,167,144	621	27.0	(?)	(?)	
1919	560,499	14,273,422	6,531,570	623	25.4	(?)	(?)	
1920	619,507	15,336,778	7,264,316	639	26.7	(?)	(?)	
1921	519,817	12,449,066	7,309,192	567	24.6	(?)	(?)	(?)
1922	544,486	13,926,355	6,798,121	599	24.3	(?)	(?)	(?)
1923	631,167	16,474,750	8,538,002	632	25.2	(?)	(?)	(?)
1924	590,879	15,859,163	8,519,637	634	24.5	(?)	(?)	(?)
1925	602,673	16,836,710	9,314,706	663	24.6	(?)	(?)	(?)
1926	622,295	17,759,004	10,154,842	689	25.0	(?)	(?)	(?)
<b>Class I roads, total</b>								
1916-1920	604,422	15,156,421	6,836,894	613	25.4	5.30	21.9	
1921	510,292	12,364,452	7,250,010	579	27.3	7.38	31.4	22.4
1922	534,655	13,834,368	8,741,090	611	26.7	7.19	28.6	23.5
1923	620,330	16,269,151	8,470,220	644	27.8	7.19	28.1	27.8
1924	579,57	15,748,288	8,443,200	647	26.9	7.22	27.3	26.8
1925	591,382	16,723,970	9,245,925	675	26.9	7.41	26.9	28.5
1926	610,980	17,040,926	10,077,357	701	27.4	7.58	27.0	30.4
1927	610,497	17,479,037	10,312,435	703	27.2	7.60	26.5	30.3
<b>Eastern district</b>								
1916-1920	244,387	6,112,680	3,059,466	738	28.1	6.05	23.0	
1921	197,814	5,117,783	3,082,791	689	29.1	8.57	31.5	19.6
1922	209,651	5,745,826	2,771,158	720	27.9	8.44	30.7	20.1
1923	246,842	6,904,674	3,543,213	776	30.1	8.50	30.9	24.5
1924	223,452	6,366,955	3,458,766	749	28.4	8.41	29.7	23.3
1925	227,772	6,730,649	3,730,828	775	28.4	8.58	29.3	24.6
1926	239,623	7,185,667	4,076,657	795	28.8	8.70	29.4	26.5
1927	231,176	6,980,952	4,151,912	796	28.4	8.70	28.8	26.1
<b>Southern district</b>								
1916-1920	113,132	2,620,491	1,246,908	581	26.0	4.44	19.9	
1921	100,675	2,250,135	1,315,124	572	29.0	6.18	28.4	24.5
1922	109,908	2,604,400	1,368,815	615	28.9	6.08	26.2	27.0
1923	126,116	3,031,190	1,625,410	629	29.1	6.03	25.7	32.0
1924	123,823	3,000,292	1,727,904	648	29.2	6.14	25.4	32.4
1925	131,621	3,350,114	1,865,625	680	29.7	6.30	25.3	34.2
1926	137,919	3,400,688	1,903,300	717	31.1	6.57	25.7	36.7
1927	130,876	3,439,251	1,877,231	710	30.8	6.66	25.4	36.8
<b>Western district</b>								
1916-1920	240,961	6,423,440	2,630,514	510	22.2	5.00	21.7	
1921	219,241	4,886,511	2,808,095	463	24.8	6.87	30.5	25.1
1922	218,119	4,185,411	2,499,728	511	21.3	6.00	27.7	26.4
1923	247,061	6,139,281	3,301,197	525	24.6	6.41	27.2	30.3
1924	212,496	6,208,039	3,265,729	552	24.2	6.18	25.7	28.7
1925	212,189	6,622,811	3,729,179	579	25.9	6.74	25.4	30.6
1926	235,211	6,914,271	3,794,100	596	23.9	7.07	25.2	32.6
1927	248,415	7,058,794	3,972,900	598	24.2	7.05	24.8	32.6

<sup>1</sup> Class I and Class II roads.

<sup>2</sup> Data available for Class I roads only.

Source: Interstate Commerce Commission

## No. 415.—FREIGHT TRAFFIC: TONNAGE AND REVENUE

[NOTE.—Figures before 1916 relate to years ended June 30; thereafter to calendar years. For certain years, as indicated by footnotes, the unimportant Class III roads are omitted. Switching and terminal roads excluded beginning with 1906.]

Class and year or yearly average	Tons of revenue freight carried (thousands)		Tons carried 1 mile (millions)		Revenue ton-miles per mile of road	Average haul, revenue freight (miles)		Freight revenue	
	Originating	Total	Revenue freight	Revenue and non-revenue		System	Individual road	Amount (1,000 dolla.)	Per ton-mile (cents)
<b>All roads:</b>									
1901-1905		692,446	85,893		506,809		123.75	758,930	0.886
1906-1909		874,389	113,952		611,128		120.33	879,837	.773
1901-1905	691,120	1,266,313	107,714		820,016	242.67	132.44	1,298,713	.774
1906-1910	930,254	1,673,431	228,938		1,006,849	246.10	136.81	1,744,325	.763
1911-1915	1,074,121	1,903,074	277,073		1,104,719	257.95	145.59	2,051,636	.740
1916-1920	1,325,772	2,378,164	390,815		1,510,297	294.78	164.33	3,419,260	.875
1921-1925	1,231,193	2,216,318	375,468		1,455,689	304.96	169.41	4,377,618	1.166
1906	896,159	1,631,374	215,878		982,401	240.89	132.33	1,640,387	.748
1907	977,499	1,796,337	256,601		1,052,119	242.05	131.71	1,823,662	.759
1908	869,798	1,532,982	215,382		974,654	253.94	143.83	1,655,419	.754
1909	881,334	1,556,506	218,803		953,986	251.10	141.87	1,677,614	.763
1910	1,026,492	1,849,900	455,017		1,071,086	249.08	138.31	1,925,564	.758
1911	1,003,054	1,781,638	253,784		1,053,666	254.10	142.88	1,925,951	.757
1912	1,031,207	1,844,978	264,081		1,078,590	256.87	143.44	1,968,599	.744
1913	1,182,548	2,058,065	301,730		1,190,397	255.15	144.40	2,196,931	.739
1914	1,129,992	2,002,026	298,637		1,125,084	255.43	144.17	2,126,717	.737
1915	1,023,603	1,828,692	277,135		1,075,962	270.69	151.55	2,037,926	.735
1916	1,317,346	2,347,496	368,173		1,409,957	277.96	155.99	2,631,092	.719
1917	1,382,005	2,453,423	398,263		1,538,211	288.18	162.33	2,897,436	.726
1918	1,376,847	2,447,092	406,778		1,582,798	296.89	165.02	3,522,052	.862
1919	1,189,745	2,185,285	367,161		1,423,396	308.60	168.02	3,624,886	.967
1920	1,362,999	2,427,622	414,689		1,597,133	303.52	170.41	4,420,833	1.099
1921	1,017,818	1,808,836	309,533		1,199,328	304.11	171.12	4,004,109	1.204
1922	1,111,822	1,974,618	342,188		1,330,400	307.77	173.29	4,085,742	1.194
1923	1,287,753	2,503,117	416,266		1,615,741	299.94	169.29	4,712,495	1.129
1924	1,287,413	2,351,291	391,945		1,518,556	304.44	168.12	4,437,380	1.123
1925	1,361,155	2,463,725	417,418		1,613,802	308.93	169.43	4,648,364	1.114
1926	1,439,612	2,627,492	447,444		1,732,295	310.81	170.39	4,905,981	1.096
<b>Class I Roads:</b>									
1916-1920	1,216,452	2,211,754	387,377		1,662,549	318.52	175.14	3,336,480	.861
1921	940,183	1,690,763	306,840	340,862	1,308,938	326.39	178.14	3,911,277	1.275
1922	1,023,745	1,840,955	339,285	371,946	1,444,840	331.42	184.30	3,992,441	1.177
1923	1,279,930	2,333,601	412,727	456,238	1,754,901	322.86	176.69	4,605,720	1.116
1924	1,197,296	2,171,719	388,415	420,834	1,649,318	327.14	178.85	4,333,585	1.116
1925	1,247,242	2,304,275	413,814	452,819	1,749,147	331.78	179.59	4,541,646	1.097
1926	1,336,142	2,465,360	443,746	486,265	1,878,304	332.11	179.99	4,797,790	1.081
1927	1,282,402	2,351,073	429,044	474,683	1,810,673	334.56	184.16	4,636,764	1.081
<b>Eastern district:</b>									
1916-1920	590,689	1,262,790	183,006		3,089,938	309.78	144.92	1,485,066	.811
1921	449,674	934,594	138,503	149,109	2,354,167	308.01	148.18	1,722,188	1.243
1922	452,238	975,691	151,210	160,961	2,571,943	334.36	154.98	1,772,508	1.173
1923	597,802	1,265,112	193,988	208,197	3,289,627	324.45	149.78	2,141,752	1.104
1924	519,595	1,146,945	170,039	182,450	2,879,748	327.25	148.25	1,908,379	1.122
1925	531,309	1,208,291	179,424	192,139	3,036,805	337.61	148.64	1,987,804	1.107
1926	560,200	1,309,242	193,717	207,796	3,294,052	333.88	147.96	2,120,301	1.094
1927	541,457	1,238,165	183,986	196,036	3,125,690	339.80	149.67	2,012,024	1.094
<b>Southern district:</b>									
1916-1920	208,528	324,057	68,621		1,590,465	329.07	211.76	524,210	.764
1921	177,259	266,413	69,679	65,820	1,361,926	336.68	224.01	644,163	1.079
1922	208,589	314,370	69,565	75,763	1,589,208	333.50	221.28	628,326	.989
1923	249,638	381,376	81,705	89,973	1,862,332	327.29	214.24	783,288	.959
1924	252,988	382,712	82,351	89,697	1,880,306	325.04	215.16	780,745	.948
1925	281,715	423,769	91,934	100,152	2,086,464	326.34	216.94	851,638	.925
1926	310,579	461,263	101,426	110,692	2,282,053	326.57	219.89	913,966	.901
1927	309,217	437,947	96,368	105,972	2,143,102	311.65	222.65	872,023	.906
<b>Western district:</b>									
1916-1920	417,235	624,917	135,751		1,039,046	325.23	217.61	1,327,215	.978
1921	313,250	489,450	106,658	125,932	824,580	346.87	221.91	1,544,929	1.422
1922	362,919	550,893	118,511	135,232	896,042	326.55	213.12	1,531,517	1.292
1923	431,500	637,112	137,034	158,096	1,035,443	317.58	208.54	1,681,681	1.227
1924	414,813	642,912	136,025	154,678	1,025,387	327.92	211.86	1,644,461	1.208
1925	434,218	672,210	142,390	160,528	1,067,313	327.94	211.83	1,702,304	1.195
1926	445,344	694,464	148,603	167,755	1,115,686	333.67	213.86	1,761,513	1.187
1927	431,728	674,961	148,690	170,675	1,118,932	344.41	222.71	1,752,717	1.179

<sup>1</sup> Class I and Class II roads.

<sup>2</sup> Includes estimates for traffic roads of Class II or Class III or both where these roads were not included in the published totals.

Source: Interstate Commerce Commission.

## No. 416.—REVENUE AND TRAFFIC BY MONTHS: CLASS I CARRIERS

[NOTE.—Except at times of general revisions in freight rates changes in freight revenue are closely parallel to those of ton mileage. Data except as indicated include Class I switching and terminal companies]

Year	Average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL OPERATING REVENUES (millions of dollars)													
1910 <sup>1</sup> ...	234.7	209.1	200.7	235.7	223.9	232.5	238.2	231.5	263.0	261.2	261.2	244.9	233.2
1911.....	231.2	211.6	198.0	223.5	214.9	226.2	228.4	228.8	263.6	261.9	261.2	244.2	234.8
1912.....	249.8	208.2	216.1	235.8	219.2	232.3	242.9	253.0	275.8	274.4	275.9	275.9	264.4
1913.....	460.9	247.0	229.9	245.9	242.3	262.1	258.9	265.3	279.6	282.4	286.3	266.6	262.4
1914.....	244.0	231.3	207.1	247.5	235.4	237.7	244.7	250.0	267.1	269.6	266.6	233.8	226.3
1915.....	266.6	214.1	206.1	231.5	231.0	237.9	249.5	259.2	273.1	287.2	303.7	299.1	288.1
1916.....	302.1	260.9	262.8	280.2	282.0	301.0	300.0	303.2	327.2	325.3	338.7	322.7	311.1
1917.....	337.4	300.8	285.4	317.1	319.3	345.9	349.7	348.4	366.2	358.8	382.5	357.3	337.1
1918.....	410.5	285.4	290.0	368.4	371.6	379.0	396.2	470.4	504.7	489.7	490.8	440.9	441.5
1919.....	432.0	397.2	352.4	377.4	389.5	413.9	426.1	458.3	471.7	498.6	509.8	438.1	453.4
1920.....	519.0	500.8	434.5	460.2	462.3	457.6	494.7	539.1	555.5	618.9	641.8	582.1	550.6
1921.....	464.2	470.4	408.5	459.0	433.4	444.9	461.6	462.9	506.7	499.3	536.7	483.9	425.3
1922.....	468.3	395.8	401.6	475.2	417.1	449.4	474.0	443.8	474.1	500.9	550.3	533.6	513.6
1923.....	523.9	502.5	446.9	538.8	523.3	548.1	541.5	538.3	564.5	546.1	587.9	532.0	494.6
1924.....	499.0	469.0	479.5	505.4	475.2	477.8	465.7	481.8	508.5	541.0	572.9	505.9	506.2
1925.....	515.6	485.0	453.2	488.7	473.7	489.0	507.0	522.5	535.8	546.6	591.6	533.0	524.1
1926.....	538.6	481.4	460.8	531.5	500.5	518.0	541.4	557.9	580.3	591.2	610.4	562.3	527.7
1927.....	517.3	487.0	469.0	531.1	498.4	518.6	517.6	509.4	557.4	565.1	580.5	508.8	467.6

FREIGHT REVENUE (millions of dollars)													
1914.....	166.0	156.1	140.9	174.3	160.2	169.0	164.1	168.5	177.0	184.1	188.8	163.3	154.3
1915.....	178.9	147.2	143.8	163.4	161.9	166.3	168.6	170.3	181.0	198.7	220.6	219.3	206.4
1916.....	214.6	185.9	191.1	212.3	202.7	217.9	208.1	204.2	227.3	238.8	246.6	226.4	214.6
1917.....	236.1	211.7	185.1	227.3	227.8	251.9	247.3	241.6	260.3	262.2	271.4	254.7	221.7
1918.....	288.2	188.8	198.6	269.9	264.5	263.3	263.8	328.4	350.9	342.1	365.4	322.6	308.7
1919.....	296.3	278.4	242.3	268.0	268.7	286.7	284.8	306.5	313.8	346.7	368.5	303.5	303.7
1920.....	360.6	311.6	290.2	324.6	268.8	314.1	340.3	356.1	369.6	438.9	480.4	436.9	386.6
1921.....	327.2	324.9	284.2	320.8	304.8	313.1	322.2	314.8	353.8	354.8	402.0	342.4	288.7
1922.....	334.1	277.1	294.6	354.3	298.9	319.6	331.9	299.6	326.5	355.9	406.4	399.9	364.2
1923.....	355.5	367.0	326.8	398.8	366.3	405.5	387.3	379.3	402.1	390.9	441.5	395.9	341.1
1924.....	362.4	333.4	352.7	371.7	342.9	344.8	323.4	340.1	358.5	399.2	439.0	381.0	362.2
1925.....	379.4	350.8	330.9	390.8	347.2	359.4	366.1	377.5	403.4	419.7	450.6	402.5	379.5
1926.....	401.7	347.8	340.8	402.0	370.6	385.5	397.8	409.5	429.6	445.0	472.4	433.5	384.9
1927.....	387.4	357.8	353.9	406.4	371.4	390.7	382.0	370.0	415.2	426.8	452.6	385.8	334.7

PASSENGER REVENUE (millions of dollars)													
1914.....	54.2	51.0	43.9	49.2	51.0	53.6	58.2	64.4	66.7	60.5	53.8	48.4	49.9
1915.....	53.8	43.5	41.4	46.4	47.1	49.7	55.0	64.1	66.9	62.4	56.4	53.9	55.8
1916.....	59.0	49.9	46.7	50.8	52.4	54.3	61.6	70.2	70.1	66.6	62.7	57.1	65.4
1917.....	68.9	59.4	52.4	60.0	60.4	61.3	68.1	73.7	81.9	82.5	77.3	70.1	81.0
1918.....	86.0	66.5	62.3	73.1	72.5	76.2	94.8	104.7	113.8	105.9	84.6	81.8	93.0
1919.....	98.3	87.1	79.3	89.4	89.6	92.7	105.6	113.7	120.7	110.2	96.0	92.5	100.1
1920.....	107.3	91.9	82.6	92.6	93.0	96.9	107.4	123.2	132.9	129.9	113.9	106.7	114.8
1921.....	96.2	105.2	88.5	97.3	90.6	93.5	99.8	108.9	109.2	100.6	88.9	82.6	88.7
1922.....	89.7	83.7	73.6	80.6	83.5	85.5	96.0	100.7	101.6	97.5	90.2	84.8	98.5
1923.....	96.6	91.1	79.1	88.3	87.8	90.0	102.8	107.5	113.0	106.9	93.8	87.1	101.1
1924.....	89.7	91.7	83.4	87.1	85.2	85.6	96.0	97.4	104.6	93.2	82.9	78.8	90.9
1925.....	88.0	88.7	77.6	79.4	78.4	82.0	92.6	98.0	104.0	95.7	86.5	81.1	92.0
1926.....	87.0	89.6	78.6	80.8	80.7	82.8	92.5	97.9	99.0	92.7	82.2	77.4	89.7
1927.....	81.4	86.0	74.2	76.6	77.3	76.5	86.0	91.6	91.7	86.3	75.2	70.9	82.0

FREIGHT TON-MILES (millions) <sup>2</sup>													
1916.....	36,410	27,620	29,678	37,706	37,993	37,507	37,668	39,947	40,776	39,579	39,842	35,564	34,639
1919.....	32,814	30,356	25,680	29,813	28,593	32,276	31,881	31,946	31,416	38,678	40,461	32,497	33,353
1920.....	37,445	34,964	32,958	37,865	28,592	37,892	38,236	47,441	42,734	40,908	42,570	37,449	34,726
1921.....	34,478	29,784	24,915	28,816	25,591	28,230	28,442	28,112	31,420	30,804	36,071	29,222	25,723
1922.....	31,320	27,151	28,451	32,941	24,745	27,949	28,092	27,777	31,472	34,134	39,287	38,077	30,271
1923.....	38,133	37,707	32,628	39,222	39,321	39,508	38,081	39,718	41,344	39,461	42,210	38,158	33,427
1924.....	35,803	34,510	33,982	36,426	31,926	33,915	31,989	33,855	36,457	39,064	43,131	38,067	35,006
1925.....	38,067	37,036	33,570	45,332	33,571	37,126	37,858	37,644	41,709	41,305	41,054	40,775	37,856
1926.....	40,725	37,690	35,405	38,668	36,300	38,834	39,222	41,717	43,734	44,346	48,596	43,360	40,116
1927.....	39,577	39,223	37,250	41,816	37,102	40,113	38,483	38,390	41,973	42,954	45,552	37,228	34,580

<sup>1</sup>Returns for January to October, inclusive, do not include switching and terminal companies.

<sup>2</sup>Exclusive of switching and terminal companies.

Source: Interstate Commerce Commission.

## No. 417.—PASSENGERS CARRIED AND PASSENGER REVENUE

[NOTE.—Figures relate to years ended June 30 prior to 1916, to calendar years thereafter. Passenger service revenue per train-mile includes revenue from mail, express, etc., but average revenue per passenger-mile is computed only from revenue from passengers themselves]

Class and year or yearly average	Passengers carried (thousands)	Passengers carried 1 mile (millions)	Average journey per passenger (miles)	Passenger train-miles (thousands)	Passenger train car-miles (thousands)	Passenger revenue (thousand dollars)	Passenger service train revenue per train-mile	Revenue per passenger per mile (cts.)	Average passengers per train
<b>All roads:</b>									
1891-1895	546,762	13,383	24.46	321,031	—	261,415	\$1.05	2.10	42
1896-1900	520,459	13,863	26.64	345,457	—	279,900	.99	2.02	39
1901-1905	681,261	20,737	30.44	423,244	—	416,609	1.11	2.01	45
1906-1910	885,003	24,683	32.41	509,868	—	566,815	1.26	1.98	53
1911-1915	1,018,804	33,768	33.14	587,501	3,264,399	672,792	1.32	1.99	54
1916-1920	1,152,566	42,548	36.92	560,364	3,416,933	1,021,536	(1)	2.40	(3)
1921-1925	962,320	36,869	37.53	571,455	3,603,117	1,112,634	(2)	3.02	(3)
1906	797,946	25,167	31.54	479,038	—	510,033	1.20	2.00	49
1907	873,905	27,719	31.72	509,328	—	564,606	1.26	2.01	51
1908	890,010	29,083	32.86	505,946	2,705,680	566,833	1.27	1.94	54
1909	891,472	29,109	32.85	506,011	2,746,511	563,609	1.27	1.93	54
1910	971,653	32,338	33.50	549,015	2,996,171	628,992	1.30	1.94	56
1911	997,410	33,202	33.48	572,929	3,136,774	657,638	1.31	1.97	55
1912	1,004,061	33,132	33.18	585,854	3,235,634	660,373	1.29	1.99	53
1913	1,043,603	34,673	33.31	593,061	3,320,486	695,968	1.36	2.01	55
1914	1,063,249	35,357	33.25	605,212	3,399,604	703,484	1.34	1.99	56
1915	985,676	32,475	32.95	580,445	3,229,496	646,473	1.31	1.99	53
1916	1,048,987	35,230	33.55	595,441	3,409,639	722,359	1.44	2.05	56
1917	1,109,943	40,100	36.13	593,338	3,485,788	840,910	(3)	2.10	(3)
1918	1,122,963	43,212	38.48	544,327	3,276,489	1,046,166	(3)	2.42	(3)
1919	1,211,022	46,826	38.66	553,147	3,446,787	1,193,431	(3)	2.55	(3)
1920	1,269,913	47,370	37.30	574,826	3,618,617	1,304,815	(3)	2.76	(3)
1921	1,061,131	37,704	35.53	568,242	3,503,514	1,166,252	(3)	3.09	(3)
1922	989,509	35,811	36.19	553,919	3,445,869	1,067,516	(3)	3.04	(3)
1923	1,006,538	38,294	37.97	573,938	3,616,342	1,158,925	(3)	3.03	(3)
1924	950,459	36,368	38.26	579,384	3,676,746	1,086,672	(3)	2.99	(3)
1925	901,963	36,167	40.10	581,792	3,773,114	1,064,806	(3)	2.94	(3)
1926	874,589	35,673	40.79	584,972	3,862,610	1,049,210	(3)	2.94	(3)
<b>Class I roads:</b>									
1916-1920	1,114,055	41,989	37.69	556,495	3,406,925	1,005,690	2.13	2.40	72
1919	1,177,820	46,356	39.36	539,805	3,413,343	1,178,454	2.46	2.54	82
1920	1,234,662	46,849	37.94	561,633	3,563,450	1,286,013	2.78	2.75	80
1921	1,035,496	37,313	36.03	554,805	3,469,062	1,151,771	2.51	3.09	67
1922	967,409	35,470	36.66	541,275	3,414,345	1,074,108	2.50	3.03	65
1923	966,913	37,957	38.46	560,980	3,585,363	1,146,699	2.56	3.02	67
1924	932,678	36,091	38.70	566,013	3,646,363	1,075,039	2.41	2.96	63
1925	888,267	35,950	40.47	569,765	3,746,427	1,056,395	2.37	2.94	62
1926	862,361	35,476	41.14	573,627	3,836,788	1,041,816	2.33	2.94	61
1927	829,010	33,665	40.60	574,722	3,769,737	974,864	—	2.90	59
<b>Eastern district:</b>									
1916-1920	693,837	19,590	28.23	251,816	1,427,364	439,137	2.32	2.24	63
1921	673,170	18,723	27.81	228,418	1,456,134	537,878	2.79	2.87	62
1922	637,135	18,083	28.38	221,820	1,444,905	513,959	2.86	2.84	60
1923	655,225	19,222	29.34	230,923	1,512,295	546,822	2.95	2.84	63
1924	629,939	18,567	29.47	233,746	1,545,589	523,475	2.80	2.82	79
1925	616,313	18,584	30.15	233,989	1,578,148	520,011	2.81	2.80	79
1926	606,365	18,702	30.84	238,329	1,634,092	523,475	2.77	2.79	78
1927	590,925	18,109	30.75	238,633	1,576,127	502,415	—	2.77	76
<b>Southern district:</b>									
1916-1920	139,052	6,295	45.27	91,976	535,012	160,704	1.96	2.55	65
1921	118,984	5,065	42.74	92,422	540,764	172,110	2.22	3.39	64
1922	111,258	4,856	43.64	92,156	537,556	163,173	2.18	3.36	52
1923	114,930	5,450	47.42	96,143	579,299	183,751	2.33	3.37	56
1924	104,266	5,163	49.42	98,296	602,853	172,408	2.18	3.35	52
1925	94,785	5,413	57.11	102,554	652,463	180,735	2.17	3.34	62
1926	88,671	5,187	56.49	103,399	667,390	173,755	2.10	3.35	50
1927	85,004	4,507	53.03	102,034	640,579	147,339	—	3.27	44
<b>Western district:</b>									
1916-1920	281,146	14,106	57.28	232,704	1,444,548	405,849	2.00	2.52	64
1921	243,342	13,564	55.49	233,905	1,472,164	441,763	2.36	3.27	57
1922	219,016	12,531	57.22	225,300	1,431,564	396,976	2.27	3.17	55
1923	216,758	13,265	61.29	223,915	1,493,670	415,126	2.28	3.13	56
1924	196,473	12,371	62.33	233,971	1,497,941	379,156	2.13	3.07	52
1925	177,169	11,963	67.47	233,222	1,515,816	356,649	2.01	2.98	51
1926	165,325	11,529	69.74	231,699	1,535,318	344,566	1.99	2.96	49
1927	163,061	10,979	71.72	234,665	1,563,031	326,190	—	2.96	47

<sup>1</sup> Class I and Class II roads.

<sup>2</sup> Data available for Class I only.

Source: Interstate Commerce Commission.

## No. 418.—REVENUES, EXPENSES, AND INCOME OF OPERATING COMPANIES

[NOTE.—Data relate to years ended June 30 prior to 1916, to calendar years thereafter. The method of calculating net revenue and net operating income is more fully shown in Table 419. Switching and terminal companies are excluded beginning with 1908.]

Class and year or yearly average	Average miles of line (first track) operated	Income account items (thousands of dollars)					Per mile of line		Per cent operating expenses of revenues
		Operating revenues	Operating expenses	Net revenue from operations	Tax accruals	Net railway operating income	Operating revenues	Net revenue from operations	
<b>All roads:</b>									
1901-1905	169,378	1,127,531	769,588	357,942	34,918	333,027	\$5,657	\$2,172	67.87
1906-1910	186,001	1,264,046	832,377	431,671	41,970	389,701	6,790	2,321	65.85
1911-1915	206,050	1,854,082	1,226,737	627,345	53,106	574,240	9,001	3,048	66.14
1916-1920	229,404	2,528,171	1,705,542	822,630	80,931	727,407	11,021	3,586	67.46
1921-1925	246,952	3,007,262	2,127,282	883,980	123,343	729,172	12,164	3,578	70.61
1926-1930	258,295	4,870,468	3,971,453	899,015	227,690	671,325	14,856	3,461	81.54
1931-1935	257,932	6,003,009	4,884,125	1,119,563	329,822	789,741	23,276	5,116	78.02
1936	222,340	2,325,765	1,530,877	794,888	69,064	719,824	10,400	3,548	68.08
1937	227,435	2,569,086	1,748,816	820,270	73,743	746,527	11,382	3,696	67.53
1938	227,257	2,440,819	1,710,402	730,237	79,674	650,563	10,740	3,213	70.08
1939	232,961	2,473,205	1,650,034	823,171	85,140	710,414	10,615	3,533	68.73
1940	236,967	2,812,142	1,881,879	930,263	98,085	808,097	11,806	3,925	68.92
1941	243,434	2,852,855	1,976,332	876,523	102,667	744,690	11,719	3,401	69.20
1942	246,829	2,906,416	2,035,058	871,358	113,819	727,456	11,775	3,530	70.02
1943	242,675	3,193,138	2,235,923	957,195	122,005	805,266	13,159	3,945	70.02
1944	254,775	3,127,730	2,290,416	847,314	140,470	674,190	12,276	3,326	72.91
1945	256,214	2,956,103	2,088,683	867,510	137,775	694,276	11,538	3,386	70.66
1946	267,325	3,691,085	2,436,251	1,254,834	161,825	1,058,506	14,344	4,915	65.78
1947	258,911	4,115,413	2,909,263	1,206,150	218,632	987,518	15,896	4,670	70.63
1948	258,263	4,985,290	4,071,522	913,768	239,533	646,223	19,308	3,838	81.67
1949	257,949	5,250,420	4,498,817	751,603	239,138	454,132	20,454	2,914	85.98
1950	269,026	6,310,151	5,054,394	1,255,757	294,272	1,001,101	24,361	3,373	94.36
1951	258,069	5,632,605	4,668,908	963,697	293,163	601,139	21,625	3,734	82.80
1952	257,195	5,074,483	4,509,991	1,164,492	308,145	769,411	22,043	4,528	79.46
1953	257,625	6,419,210	4,909,363	1,419,847	339,877	974,918	24,917	6,811	77.08
1954	258,104	6,045,257	4,608,807	1,436,450	347,437	944,463	23,422	5,565	76.24
1955	258,646	6,246,883	4,613,497	1,613,386	365,790	1,047,228	24,152	6,238	74.17
1956	258,285	6,598,670	4,796,235	1,742,441	390,506	1,229,020	25,199	6,746	73.23
<b>Class I roads</b>									
1916-1920	232,074	4,763,039	3,879,220	883,819	219,774	610,987	20,445	3,794	81.44
1921	233,809	5,144,795	4,099,716	745,080	232,601	454,986	22,004	3,187	85.52
1922	231,008	6,178,458	5,827,591	350,867	272,001	17,227	29,328	1,495	94.32
1923	234,419	5,516,586	4,562,668	953,918	275,876	603,947	23,833	4,069	82.71
1924	234,825	5,556,993	4,414,522	1,142,471	300,035	766,877	23,674	4,874	79.41
1925	235,188	6,289,580	4,995,187	1,294,393	331,915	962,478	26,743	5,929	77.83
1926	238,501	5,921,490	4,507,885	1,413,605	340,437	973,867	21,144	6,003	76.13
1927	236,861	6,122,170	4,466,880	1,655,290	358,516	1,047,000	23,579	6,702	74.10
1928	236,629	6,382,940	4,699,337	1,713,603	368,223	1,115,080	26,077	7,342	73.15
1929	238,711	6,138,298	4,576,313	1,561,985	375,621	1,089,656	25,775	6,567	74.55
<b>Eastern district</b>									
1916-1920	59,226	2,28,577	1,816,825	341,752	84,004	188,083	35,009	5,294	85.35
1921	58,825	2,460,791	2,082,594	378,197	110,532	267,665	45,812	6,429	84.63
1922	58,702	2,516,179	2,039,808	476,371	135,662	291,855	42,806	7,770	84.80
1923	58,969	2,942,419	2,331,721	610,698	135,257	417,550	49,897	10,376	79.20
1924	59,041	2,867,771	2,089,796	707,975	135,909	407,467	45,140	10,110	77.61
1925	59,103	2,784,417	2,084,825	699,592	163,333	474,902	46,004	11,308	75.67
1926	58,088	2,898,286	2,157,700	740,586	159,340	514,947	49,116	12,597	74.77
1927	59,002	2,790,270	2,099,055	691,215	152,104	454,140	46,767	11,219	76.01
<b>Southern district</b>									
1916-1920	41,126	219,178	595,967	143,511	55,138	113,870	17,441	3,326	80.59
1921	41,820	87,202	140,224	156,978	38,915	92,997	21,018	3,120	84.91
1922	41,771	91,910	108,634	200,447	49,069	151,378	21,619	4,220	77.43
1923	43,873	1,037,777	800,626	237,151	84,946	177,441	23,624	5,408	77.15
1924	43,790	1,024,517	787,634	236,883	79,099	191,411	23,891	5,965	74.92
1925	44,001	1,108,738	793,120	315,618	98,411	258,888	24,738	7,113	71.98
1926	44,441	1,111,280	800,126	311,154	77,201	233,953	26,224	7,456	71.22
1927	45,111	1,091,278	788,111	303,167	72,134	218,000	24,777	6,159	73.19
<b>Western district</b>									
1916-1920	19,018	82,088	1,464,27	128,517	92,772	313,443	4,806	5,28	7.39
1921	19,111	2,187,411	1,711,860	475,551	84,376	278,444	6,333	6,00	79.46
1922	19,204	2,187,411	1,711,860	475,551	84,376	278,444	6,333	6,00	79.46
1923	19,301	2,309,281	1,711,860	475,551	84,376	278,444	6,333	6,00	79.46
1924	19,401	2,309,281	1,711,860	475,551	84,376	278,444	6,333	6,00	79.46
1925	19,501	2,309,281	1,711,860	475,551	84,376	278,444	6,333	6,00	79.46
1926	19,601	2,309,281	1,711,860	475,551	84,376	278,444	6,333	6,00	79.46
1927	19,701	2,309,281	1,711,860	475,551	84,376	278,444	6,333	6,00	79.46

† Class I and Class II roads

Source: Interstate Commerce Commission

## No. 419.—INCOME ACCOUNT OF CLASS I CARRIERS: RAILWAY OPERATIONS

[NOTE.—All figures in thousands of dollars. Data relate only to operating roads. Switching and terminal companies are excluded]

Item	1916- 1920 (average)	1921- 1925 (average)	1923	1924	1925	1926	1927 <sup>1</sup>
<b>Revenues</b> .....	4,763,039	5,881,856	6,289,589	5,921,496	6,122,510	6,382,939	6,138,988
Freight.....	3,336,480	4,277,134	4,606,720	4,333,585	4,541,646	4,797,780	4,645,889
Passenger.....	1,005,690	1,100,603	1,145,699	1,075,039	1,056,395	1,041,816	976,338
Mail.....	76,508	94,900	92,897	97,952	97,097	96,157	95,979
Express.....	118,933	137,886	152,885	143,372	145,355	149,049	143,370
All other transportation.....	92,041	129,878	136,475	133,918	138,395	143,773	142,893
All other.....	133,387	141,455	154,904	137,630	143,622	154,364	134,519
<b>Expenses</b> .....	3,879,220	4,583,425	4,895,167	4,507,885	4,536,880	4,669,337	4,576,313
Maintenance, way, etc.....	663,681	781,577	813,689	792,678	816,443	866,819	868,757
Maintenance, equipment.....	1,040,185	1,297,802	1,465,157	1,260,020	1,259,835	1,283,091	1,219,172
Traffic.....	59,749	93,919	93,977	96,873	106,053	114,691	120,357
Transportation.....	1,947,814	2,194,358	2,309,609	2,141,469	2,128,471	2,171,904	2,138,808
All other.....	167,791	215,769	212,735	214,845	226,078	232,832	229,219
<b>Net revenue from railway operations</b> .....	883,819	1,298,431	1,394,413	1,413,611	1,585,630	1,713,602	1,562,675
<b>Deduct—</b>							
Tax accruals.....	219,774	321,536	331,915	340,337	358,516	388,923	375,622
Uncollectible revenues.....	868	1,895	1,942	2,306	1,924	1,851	1,497
Equipment rents.....	25,647	67,659	73,885	72,908	79,394	82,888	88,456
Joint facility rents.....	20,543	23,742	24,716	24,223	24,719	26,850	28,044
<b>Net railway operating income</b> .....	618,987	883,599	961,955	973,837	1,121,077	1,213,090	1,069,056

Item	Eastern district			Southern district			Western district		
	1925	1926	1927	1925	1926	1927	1925	1926	1927
<b>Revenues</b> .....	2,754,442	2,898,986	2,760,250	1,106,738	1,165,527	1,091,278	2,261,330	2,318,496	2,287,489
Freight.....	1,987,804	2,120,301	2,011,258	851,638	913,966	872,276	1,702,204	1,763,513	1,762,355
Passenger.....	520,011	523,475	503,139	180,735	173,755	147,317	355,649	344,586	325,882
Mail.....	37,042	36,577	36,479	16,445	16,789	16,630	43,610	42,791	42,870
Express.....	70,341	70,591	67,146	22,817	22,953	21,622	52,197	55,505	54,602
All other transportation.....	73,483	75,871	74,377	14,467	15,485	13,705	50,445	52,417	54,811
All other.....	65,781	72,171	67,851	20,636	22,579	19,728	57,225	59,614	46,940
<b>Expenses</b> .....	2,084,325	2,167,708	2,098,093	793,329	830,126	793,551	1,659,296	1,671,505	1,679,689
Maintenance, way, etc.....	347,414	368,337	363,328	155,718	167,397	158,117	313,311	331,085	347,312
Maintenance, equipment.....	603,357	620,645	573,779	220,783	227,862	220,677	435,695	434,584	424,716
Traffic.....	39,195	42,046	44,690	21,842	23,546	24,203	45,016	49,099	51,464
Transportation.....	991,512	1,027,563	1,006,576	362,239	377,128	358,632	774,720	767,213	773,600
All other.....	102,847	109,115	109,720	32,747	34,193	36,922	90,484	89,524	82,577
<b>Net revenue from railway operations</b> .....	670,117	731,280	662,157	313,409	335,401	297,727	602,104	646,921	607,791
<b>Deduct—</b>									
Tax accruals.....	143,333	159,240	152,104	68,410	75,720	72,135	146,773	153,963	151,383
Uncollectible revenues.....	899	997	575	324	255	313	701	599	609
Equipment rents.....	40,842	43,954	45,292	3,513	3,353	21	35,039	35,581	43,185
Joint facility rents.....	10,141	12,144	13,046	2,331	2,574	2,291	12,247	12,132	12,707
<b>Net railway operating income</b> .....	474,902	514,945	451,140	238,831	253,499	218,009	407,344	444,646	399,907

<sup>1</sup> Water line transportation apportioned to the several accounts: included in "All other" in prior years.  
<sup>2</sup> Add.

Source: Interstate Commerce Commission.

## No. 420.—PRINCIPAL RAILWAY COMPANIES: MILES OF ROAD OPERATED AND

[NOTE.—Totals for regions include

Region and road	Average mileage of road oper- ated, 1927	Ton-miles of revenue freight (millions)		Operating revenues (thousand of dol- lars)		Operating expenses (thousands of dol- lars)	
		1926	1927	1926	1927	1926	1927
<b>All regions</b> .....	938, 838	443, 746	429, 044	9, 382, 839	9, 207, 025	4, 660, 337	4, 637, 121
<b>New England Region</b> .....	7, 346	2, 429	2, 228	275, 931	269, 793	206, 923	204, 386
1. Boston & Maine.....	2, 064	3, 037	2, 857	81, 625	77, 848	62, 355	61, 836
2. N. Y., New Haven & Hartford.....	2, 175	3, 359	3, 852	135, 066	139, 824	99, 540	100, 278
<b>Great Lakes Region</b> .....	24, 885	77, 082	73, 713	1, 153, 694	1, 123, 308	651, 664	653, 742
1. Delaware & Hudson.....	982	3, 773	3, 535	46, 372	42, 693	34, 812	34, 546
2. Del., Lackawanna & Western.....	990	4, 965	4, 647	58, 806	54, 686	62, 377	60, 183
3. Erie.....	2, 047	8, 656	8, 489	110, 574	108, 367	90, 386	91, 623
4. Chicago & Erie.....	270	1, 751	1, 672	14, 899	14, 121	8, 787	8, 441
Total Erie and Chi. & Erie.....	2, 317	10, 407	10, 161	125, 473	122, 478	99, 173	100, 264
5. Lehigh Valley.....	1, 364	5, 778	5, 263	80, 453	74, 503	60, 959	59, 270
6. Michigan Central.....	1, 856	4, 527	4, 282	93, 524	89, 751	64, 957	62, 244
7. New York Central.....	6, 906	23, 634	22, 300	399, 538	383, 377	238, 931	233, 400
8. N. Y., Chicago & St. Louis.....	1, 691	5, 043	4, 832	54, 938	53, 620	39, 990	38, 574
9. Pere Marquette.....	2, 244	3, 219	3, 249	45, 800	44, 745	31, 686	31, 640
10. Pittsburgh & Lake Erie.....	231	2, 517	2, 479	34, 206	31, 786	27, 546	26, 320
11. Wabash.....	2, 524	5, 377	5, 069	71, 693	67, 106	62, 466	61, 379
<b>Central Eastern Region</b> .....	37, 121	107, 143	101, 141	1, 489, 481	1, 411, 933	1, 106, 789	1, 074, 513
1. Baltimore & Ohio.....	5, 642	20, 937	20, 842	252, 362	246, 079	186, 308	186, 169
2. Central R. R. Co. of New Jersey.....	691	2, 906	2, 820	60, 171	58, 746	45, 994	43, 344
3. Chicago & Eastern Illinois.....	945	2, 670	2, 547	28, 252	26, 714	22, 606	21, 530
4. Cleveland, Cincinnati, Chicago & St. Louis.....	2, 367	8, 516	8, 413	94, 640	91, 186	70, 060	70, 222
5. Elgin, Joliet & Eastern.....	461	1, 738	1, 680	26, 432	24, 282	17, 275	17, 000
6. Long Island.....	404	182	177	39, 649	40, 887	29, 008	30, 112
7. Pennsylvania.....	10, 514	48, 912	45, 168	709, 817	664, 851	560, 361	510, 669
8. Reading Co.....	1, 139	7, 211	6, 604	99, 290	92, 690	73, 509	71, 880
<b>Peachontas Region</b> .....	5, 610	40, 366	37, 906	291, 063	278, 090	184, 064	179, 732
1. Chesapeake & Ohio.....	2, 678	19, 797	19, 334	133, 974	133, 042	90, 971	89, 733
2. Norfolk & Western.....	2, 242	16, 719	15, 024	120, 409	110, 948	71, 227	69, 696
<b>Southern Region</b> .....	39, 801	61, 068	58, 481	374, 464	313, 188	246, 032	218, 829
1. Atlantic Coast Line.....	5, 063	4, 751	3, 787	97, 087	80, 426	70, 702	64, 130
2. Central of Georgia.....	1, 912	2, 150	1, 747	31, 825	27, 641	23, 773	20, 646
3. Illinois Central.....	4, 904	14, 135	14, 832	158, 328	155, 822	121, 679	118, 983
4. Louisville & Nashville.....	5, 064	13, 283	13, 442	147, 137	144, 605	112, 462	112, 458
5. Seaboard Air Line.....	4, 291	3, 637	3, 391	67, 023	61, 790	49, 253	46, 873
6. Southern.....	6, 771	9, 023	8, 463	135, 468	147, 639	107, 867	103, 908
7. Yazoo & Mississippi Valley.....	1, 709	1, 645	1, 200	28, 199	26, 976	21, 341	22, 746
<b>Northwestern Region</b> .....	45, 590	49, 490	45, 930	721, 198	721, 584	533, 439	540, 877
1. Chicago & North Western.....	8, 465	8, 658	8, 690	154, 336	150, 133	120, 388	116, 904
2. Chicago, Milwaukee & St. Paul.....	11, 209	11, 976	12, 530	160, 538	162, 643	128, 401	133, 506
3. Chicago, St. Paul, Minneapolis & Omaha.....	1, 747	1, 940	1, 640	20, 433	26, 847	21, 273	21, 800
4. Great Northern.....	8, 164	8, 963	8, 958	117, 364	117, 904	75, 265	78, 456
5. Minneapolis, St. Paul & Sauk Ste. Marie.....	4, 396	4, 311	3, 621	46, 867	49, 157	35, 697	35, 730
6. Northern Pacific.....	6, 670	6, 639	6, 571	97, 351	95, 575	68, 361	67, 855
7. Oregon-Washington R. R. & Navigation Co.....	2, 237	1, 650	1, 624	30, 510	29, 126	22, 330	22, 206
<b>Central Western Region</b> .....	52, 296	64, 610	64, 183	1, 066, 043	1, 032, 682	734, 598	732, 734
1. Atchafalpa, Topeka & Santa Fe.....	9, 426	11, 638	11, 417	200, 536	206, 344	134, 804	142, 755
2. Chicago & Alton.....	1, 037	2, 145	1, 869	11, 475	28, 416	24, 209	22, 264
3. Chicago, Burlington & Quincy.....	9, 490	12, 651	11, 943	161, 417	156, 620	116, 463	111, 918
4. Chicago, Rock Island & Pacific.....	7, 509	7, 824	8, 191	130, 709	125, 628	98, 127	98, 271
5. Denver & Rio Grande Western.....	2, 553	1, 914	2, 030	34, 030	33, 121	24, 614	25, 079
6. Oregon Short Line.....	2, 539	2, 478	2, 450	36, 372	36, 000	23, 182	24, 443
7. Southern Pacific Co.—Pacific Lines.....	8, 934	10, 972	11, 134	230, 469	226, 959	157, 304	160, 051
8. Union Pacific.....	3, 413	8, 133	8, 119	113, 972	113, 384	74, 045	73, 235
<b>Southwestern Region</b> .....	39, 347	34, 302	34, 578	542, 165	557, 087	403, 966	422, 328
1. Gulf, Colorado & Santa Fe.....	5, 945	5, 187	5, 326	33, 468	34, 185	23, 140	24, 931
2. Missouri-Kansas-Texas.....	2, 069	2, 104	2, 145	35, 533	37, 237	23, 619	23, 363
3. Missouri-Kansas-Texas of Texas.....	1, 369	1, 339	1, 235	22, 568	20, 987	16, 596	15, 976
4. Missouri Pacific.....	5, 911	10, 132	9, 386	135, 990	125, 728	100, 812	99, 566
5. St. Louis-San Francisco.....	4, 575	4, 661	4, 839	89, 539	84, 436	61, 958	58, 104
6. Texas & New Orleans.....	3, 667	567	5, 496	10, 317	11, 430	8, 546	49, 845
7. Texas & Pacific.....	1, 984	1, 642	2, 319	47, 450	38, 950	26, 488	28, 797

\* Freight service, 1,665 miles.



## PRINCIPAL ITEMS OF TRAFFIC, REVENUES, AND EXPENSES OF LARGER COMPANIES

smaller roads of Class I not listed]

Operating ratio (per cent)		Railway tax accruals		Net railway operating income		Freight revenue		Passenger revenue		Region and road
Thousands of dollars										
1936	1937	1936	1937	1936	1937	1936	1937	1936	1937	
73.1	74.8	384,922	380,628	1,113,000	1,085,942	4,787,780	4,646,506	1,041,816		All regions.
75.9	78.8	11,898	12,318	45,595	39,523	168,501	163,819	78,480	75,643	New England.
76.4	79.4	3,079	3,573	12,841	9,501	51,813	50,055	20,058	18,426	1
73.7	71.7	5,381	6,435	23,204	25,235	69,234	75,002	50,402	49,435	2
73.9	78.0	67,369	64,130	290,290	187,904	857,819	818,573	187,073	181,303	Great Lakes.
75.1	80.9	1,006	1,404	9,927	6,711	40,041	36,206	3,715	3,604	1
70.2	71.1	7,671	7,457	19,332	17,399	65,168	61,676	13,338	13,007	2
81.7	84.6	4,351	4,233	16,538	12,125	89,012	87,483	12,310	11,691	3
59.0	61.2	518	568	1,525	836	12,967	12,800	705	639	4
79.0	81.9	4,869	4,821	18,063	12,961	101,979	99,783	13,015	12,330	Total 3 and 4.
75.8	79.0	4,194	3,474	13,803	9,836	66,783	61,208	7,936	7,689	5
68.0	69.4	5,960	6,248	23,565	20,089	64,490	60,355	21,538	20,208	6
74.8	76.8	26,882	25,194	72,158	61,834	248,365	234,381	90,914	90,105	7
72.8	71.9	2,969	2,720	10,158	9,996	51,149	50,031	1,935	1,816	8
69.6	70.7	2,409	2,491	9,793	9,292	38,973	38,767	3,830	3,247	9
80.5	82.8	2,153	2,006	9,147	8,006	30,088	28,006	2,949	2,754	10
73.2	76.6	3,429	2,769	12,562	9,613	57,205	53,993	9,235	8,154	11
75.8	78.1	79,947	77,479	349,338	332,084	1,095,981	1,031,187	267,911	246,191	Central Eastern.
73.8	75.7	11,843	12,287	50,805	44,817	207,986	203,566	27,809	26,267	1
76.4	78.8	4,781	3,728	8,052	10,384	46,780	45,767		8,731	2
80.0	80.6	1,642	1,400	2,009	2,292	21,414	20,493	4,681	4,123	3
74.1	77.1	5,385	5,047	18,527	14,808	70,367	67,980	16,269	15,570	4
65.4	70.0	1,430	1,380	5,657	4,179	24,779	22,294			5
73.2	73.7	2,152	2,472	5,832	5,163	11,661	11,857	26,274	26,357	6
77.5	76.8	37,130	35,710	106,433	103,977	497,424	461,613	147,976	140,811	7
74.0	77.0	5,831	5,186	22,083	16,790	84,031	78,576	9,794	8,923	8
83.2		21,863	21,373	90,453	81,821	354,928	345,180	22,089	20,017	Peachenias.
67.9	67.5	8,240	8,746	37,011	36,321	119,156	119,220	9,082	8,555	1
50.7	62.8	11,075	10,300	40,923	34,011	108,703	99,922	7,663	6,694	2
73.9	78.1	58,857	50,781	163,046	136,189		627,087	151,738	137,300	Southern.
72.8	80.0	6,726	6,060	17,586	10,271	66,002	58,839	27,257	14,866	1
74.7	76.8	1,520	1,568	5,953	5,051	23,079	20,758	5,907	4,423	2
76.9	76.4	10,310	10,012	36,202	25,616	122,509	121,486	24,237	23,115	3
76.4	78.1	7,928	7,640	27,039	23,877	116,617	116,384	22,143	20,027	4
73.5	75.9	2,472	2,567	12,014	10,389	48,858	46,432	12,213	9,715	5
69.4	70.4	10,351	9,454	35,529	32,765	112,773	109,231	30,385	28,749	6
75.7	84.3	2,033	1,869	3,999	1,599	22,466	21,297	4,019	3,950	7
74.0	75.0	60,184	49,865	127,647	117,638	558,848	557,481	94,318	88,656	Northwestern.
78.1	77.9	9,276	9,784	22,296	20,358	110,229	108,330	26,598	25,183	1
80.0	81.9	8,901	8,870	18,396	14,073	124,406	127,804	19,505	19,212	2
80.5	81.2	1,274	1,327	3,180	2,679	19,349	20,071	4,938	4,648	3
64.1	66.5	9,700	9,046	31,280	29,203	93,347	94,406	13,041	12,717	4
76.2	72.7	2,900	2,964	7,007	8,603	34,745	39,711		5,604	5
70.1	71.0	9,151	8,907	24,214	22,603	76,228	75,463	12,640	11,773	6
73.2	75.2	2,236	2,389	4,653	2,931	23,866	22,710	3,998	3,752	7
69.8	71.0	77,560	77,256	223,430	196,861	778,018	771,700	176,844	168,647	Central Western.
64.4	69.2	16,736	17,856	53,494	45,894	153,779	150,944	39,279	36,279	1
76.9	78.5	1,237	1,233	3,986	2,724	22,060	19,444	6,578	6,189	2
72.2	71.6	11,480	11,677	29,956	28,143	121,411	118,497	24,258		3
76.0	73.9	7,174	7,653	20,484	21,927	96,608	99,556	22,899	21,866	4
72.3	75.7	2,430	2,380	7,610	6,391	26,908	26,438	4,495	4,090	5
69.2	67.9	3,120	3,273	7,025	6,937	29,156	29,151	4,466	4,210	6
69.5	70.5	17,679	18,636	48,129	46,303	152,452	154,036	41,636	40,686	7
65.0	64.6	8,782	8,673	27,852	27,575		88,166	16,208	15,581	8
74.4	75.8	26,288	26,267	94,599	90,593	430,843	433,499	73,414	67,507	Southwestern.
70.9	72.9	1,476	1,435	6,526	5,960	28,911	29,682	3,010	2,859	1
66.6	66.3	2,752	2,458	9,521	9,376	28,410	28,643	4,534	3,966	2
72.4	76.3	615	673	3,479	3,322	16,641	15,319	4,130	3,804	3
76.8	79.2	5,612	4,769	20,324	16,899	107,914	100,788	16,036	14,632	4
69.2	68.5	4,665	4,811	23,040	22,045	67,774	64,285	15,461	13,975	5
62.8	61.2	396	2,962	960	6,120	7,849	46,075	1,789	10,262	
74.7	73.9	1,260	1,294	6,241	6,498	26,556	30,586	6,108	6,694	7

Source: Interstate Commerce Commission.

## No. 421.—TAXES AND SPECIAL ASSESSMENTS OF CLASS I COMPANIES, BY STATES

[NOTE.—Data for 1910 relate to year ended June 30, thereafter to calendar years, and for all years exclude switching and terminal companies and include nonoperating subsidiaries. Data for 1910 include also Class II and Class III and for 1916, Class II. Total railroad taxes, Federal and State, in 1926, by classes were as follows: Class I and subsidiaries, \$391,159,779 (including \$1,390,971 Canadian, \$9 Cuban, \$9,323 Mexican, and \$6,496 not distributed by States); Class II and subsidiaries, \$6,694,755; Class III and subsidiaries, \$937,440; switching and terminal companies, \$14,220,448; grand total, \$413,012,423]

State	Amount (thousands of dollars)						Per mile of line (dollars)			
	1910	1916	1920	1924	1925	1926	1910	1916	1925	1926
<b>Total</b> .....	103,738	162,475	282,751	241,527	352,370	339,755	.....	1,262	1,603	1,724
<b>United States Gov-</b> <b>ernment taxes</b> ..	4,315	12,531	50,543	74,964	87,680	109,818	.....	228	391	499
<b>New England.</b>										
Maine .....	675	1,026	1,725	2,080	1,977	2,014	301	831	977	1,015
New Hampshire ..	778	746	1,006	991	1,042	1,130	629	827	866	971
Vermont .....	257	491	451	406	453	420	251	608	592	649
Massachusetts ..	3,097	2,575	3,339	3,812	3,920	4,137	1,484	1,616	1,929	2,072
Rhode Island ..	276	297	585	596	604	630	1,302	2,996	2,348	2,490
Connecticut ..	1,868	1,114	1,975	1,957	2,056	2,093	1,657	1,977	2,138	2,177
<b>Middle Atlantic.</b>										
New York .....	7,312	11,724	17,861	22,168	23,613	24,221	877	2,271	2,876	3,084
New Jersey .....	5,066	7,659	11,189	16,970	17,355	17,323	2,290	5,293	8,466	8,428
Pennsylvania ..	3,252	9,957	9,342	10,927	11,124	12,770	587	945	1,131	1,309
<b>South Atlantic.</b>										
Delaware .....	161	153	165	177	182	175	482	498	609	585
Dist. of Columbia ..	56	64	79	107	126	147	1,562	2,291	3,661	4,268
Maryland .....	1,016	1,211	2,094	2,200	1,352	2,053	742	1,601	1,112	1,638
Virginia .....	1,756	2,012	4,695	5,393	5,614	7,095	400	1,129	1,375	1,713
West Virginia ..	1,454	2,353	3,879	5,555	6,046	5,969	463	1,196	1,744	1,713
North Carolina ..	952	1,706	2,129	4,135	4,748	5,126	220	552	1,322	1,428
South Carolina ..	764	1,091	1,961	2,443	2,840	3,134	232	623	911	1,008
Georgia .....	1,356	1,957	2,481	2,881	3,310	2,476	306	455	612	642
Florida .....	839	1,572	2,167	3,222	3,898	4,490	208	542	879	972
<b>East North Central.</b>										
Ohio .....	5,457	10,618	16,841	18,727	18,518	18,926	611	2,048	2,184	2,229
Indiana .....	3,445	5,803	9,422	11,869	11,627	12,145	521	1,328	1,684	1,799
Illinois .....	5,908	9,049	16,422	20,298	21,576	21,567	501	1,421	1,908	1,922
Michigan .....	4,052	4,220	7,579	8,012	7,658	8,140	469	1,083	1,076	1,144
Wisconsin .....	3,162	4,968	8,876	7,374	7,236	6,410	440	995	1,050	911
<b>West North Central.</b>										
Minnesota .....	3,958	6,445	9,753	7,593	7,065	7,679	461	1,151	962	927
Iowa .....	2,403	3,871	7,855	6,820	6,842	6,836	259	808	706	706
Missouri .....	1,830	2,258	3,359	3,468	3,716	3,833	290	457	498	516
North Dakota ..	1,427	2,289	4,997	4,285	4,290	4,113	341	969	834	800
South Dakota ..	834	1,636	3,718	2,723	3,161	1,807	211	900	752	430
Nebraska .....	2,031	2,704	4,159	4,406	4,747	4,577	335	677	770	741
Kansas .....	3,074	4,108	6,188	9,014	6,670	5,405	344	688	727	616
<b>South Central.</b>										
Kentucky .....	1,073	2,018	2,184	3,846	4,240	5,099	312	624	1,187	1,387
Tennessee .....	1,181	1,718	2,584	2,887	3,107	2,905	326	702	847	792
Alabama .....	1,410	1,751	2,548	2,600	2,687	2,919	297	360	603	657
Mississippi .....	997	1,916	3,612	4,338	5,064	5,094	250	642	1,364	1,363
<b>West South Central.</b>										
Louisiana .....	1,248	2,235	3,788	4,373	4,578	4,825	250	971	1,190	1,237
Texas .....	2,698	4,656	8,098	6,278	6,514	6,456	196	364	469	461
Oklahoma .....	2,967	3,653	5,463	5,782	5,682	5,344	499	864	917	859
Arkansas .....	1,347	2,348	3,912	2,736	2,663	2,568	277	948	622	606
<b>Mountain.</b>										
Montana .....	1,496	2,781	4,284	4,833	4,728	4,586	356	871	966	926
Wyoming .....	614	901	1,213	1,694	1,659	1,672	364	686	924	929
Colorado .....	1,637	2,171	3,344	3,497	3,719	3,720	306	729	828	838
New Mexico .....	745	1,179	2,467	2,678	2,212	2,153	254	915	736	744
Arizona .....	321	1,341	2,772	2,115	2,485	2,445	158	776	1,187	1,128
Utah .....	692	1,123	1,856	2,071	2,161	2,130	363	907	1,039	1,023
Nevada .....	608	1,026	1,543	1,691	1,762	1,826	388	942	1,068	1,078
Idaho .....	714	1,475	3,844	2,772	2,872	2,900	345	1,509	1,099	1,107
<b>Pacific.</b>										
Washington .....	3,171	4,111	8,795	6,808	6,447	6,458	655	1,698	1,309	1,311
Oregon .....	813	1,462	2,722	2,590	2,746	3,157	444	1,000	1,026	1,171
California .....	3,444	3,147	7,187	12,854	12,863	12,779	508	1,071	1,803	1,828

Source: Interstate Commerce Commission.

## No. 422.—REVENUE FREIGHT CARRIED, BY COMMODITY GROUPS

[NOTE.—All figures in thousands of tons of 2,000 pounds. Data relate to years ended June 30 prior to 1916, to calendar years thereafter. Switching and terminal roads excluded since 1906. Figures for 1911 to 1915, inclusive, exclude Class III roads but this affects the comparability very slightly; those after 1915 exclude both Class II and Class III, thereby reducing the grand total about 6 per cent. Nonrevenue freight is excluded; this is a large item in the case of a few commodities, notably coal]

Class of road and year or yearly average	Total	Prod-ucts of agri-culture	Anim-als and prod-ucts	Products of mines	Prod-ucts of forests	Manufactures and miscella-neous		Un-distrib-uted
						Carload ship-ments	Less than car-load	
I. REVENUE FREIGHT ORIGINATED								
All roads:								
1901-1905	691,121	59,406	16,808	323,556	72,756	119,707	27,800	71,268
1906-1910	930,255	73,864	20,000	472,146	98,879	162,225	33,991	60,150
1911-1915 <sup>1</sup>	1,053,648	99,095	25,731	584,866	101,143	181,191	41,314	20,309
1915 <sup>1</sup>	1,005,029	113,040	26,600	556,582	93,971	163,968	48,163	2,635
1916 <sup>1</sup>	1,293,091	116,867	31,294	737,161	111,650	239,849	54,420	1,660
Class I:								
1916	1,202,367	113,635	30,473	690,128	93,819	231,038	52,911	1,267
1917	1,264,016	104,629	31,858	732,653	100,838	240,269	53,769	
1918	1,263,344	116,051	33,777	734,796	97,256	226,077	53,387	
1919	1,096,111	115,023	35,494	589,951	94,076	210,256	51,302	
1920	1,255,421	110,840	26,595	712,154	100,766	251,864	53,202	
1921	940,183	114,069	24,263	511,270	76,419	172,169	41,992	
1922	1,023,745	111,787	26,230	532,998	89,069	220,442	43,229	
1923	1,279,030	109,318	28,254	713,735	115,618	267,767	44,338	
1924	1,187,290	116,587	27,747	637,582	109,094	256,737	40,549	
1925	1,247,342	109,313	26,324	678,336	107,391	285,291	40,567	
1926	1,336,528	111,787	26,244	758,064	104,859	296,076	39,498	
1927	1,282,027	113,375	26,009	713,731	99,391	291,089	38,432	
Eastern district—								
1924	519,595	22,835	6,491	300,209	12,371	158,360	19,239	
1925	531,308	23,481	5,844	294,704	11,941	175,869	19,478	
1926	580,274	23,961	5,778	336,962	11,500		18,794	
1927	541,082	23,168	5,844	307,135	10,757	175,775	18,403	
Southern district—								
1924	252,888	14,086	2,071	162,922	33,994	31,438	8,427	
1925	281,716	14,606	1,957	188,268	33,343	34,890	8,592	
1926	310,897	15,157	1,936	215,884	32,756	36,696	8,468	
1927	309,217	14,594	2,064	214,192	32,261	37,896	8,220	
Western district—								
1924	414,813	70,716	19,185	174,361	61,729	66,939	12,683	
1925	434,218	71,166	18,528	195,364	62,107	74,541	12,517	
1926	445,357	72,679	18,530	205,218	60,602	76,001	12,296	
1927	431,728	75,613	18,101	192,404	56,383	77,418	11,800	
II. TOTAL REVENUE FREIGHT <sup>2</sup>								
All roads:								
1901-1905	1,296,314	123,234	34,586	570,238	122,927	231,259	51,468	130,591
1906-1910	1,673,431	150,364	38,769	818,447	168,023	314,007	59,277	124,526
1911-1915 <sup>1</sup>	1,881,635	193,252	44,194	906,692	183,292	356,669	71,347	36,187
Class I:								
1916-1920	2,212,267	225,505	55,199	1,176,695	193,436	466,202	93,550	1,679
1921	1,690,763	222,678	41,778	878,225	148,043	332,991	67,048	
1922	1,440,955	220,060	44,839	912,438	171,239	421,829	69,949	
1923	2,333,601	220,490	46,673	1,250,245	222,562	517,846	73,585	
1924	2,171,719	230,952	48,521	1,114,637	209,360	500,276	68,073	
1925	2,304,275	215,124	46,315	1,212,014	210,077	552,544	68,201	
1926	2,452,786	222,429	46,824	1,338,094	201,070	513,472	68,297	
1927	2,350,578	219,709	46,452	1,288,537	189,882	560,839	65,159	
Eastern district—								
1924	1,146,845	75,230	19,071	658,606	56,921	301,852	35,265	
1925	1,208,296	72,062	17,788	696,774	55,931	330,948	35,093	
1926	1,309,341	73,462	18,080	782,424	53,417	346,119	35,739	
1927	1,237,069	72,361	18,021	729,555	50,216	334,034	34,482	
Southern district—								
1924	382,712	23,769	4,315	208,467	57,826	64,457	13,878	
1925	423,769	23,964	4,238	240,149	57,457	73,704	14,237	
1926	448,690	23,470	4,142	269,331	52,945	74,962	13,840	
1927	437,947	21,741	4,211	264,427	51,008	71,830	13,630	
Western district—								
1924	642,062	121,853	25,135	247,564	94,613	133,967	8,930	
1925	672,210	109,078	24,269	275,091	96,980	147,892	16,871	
1926	694,855	115,497	24,902	286,339	95,306	164,391	18,718	
1927	674,962	115,607	24,220	274,555	88,654	153,875	18,047	

<sup>1</sup> Excluding Class III.<sup>2</sup> Including receipts from connecting lines.

Source: Interstate Commerce Commission.

## No. 423. REVENUE FREIGHT CARRIED, BY CLASSES OF COMMODITIES: CLASS I CARRIERS

[NOTE.—The classification was changed in 1920, but comparable figures for earlier years for many commodities appear in Table 245, Statistical Abstract, 1921. See headnote, Table 422.]

Commodity	Revenue freight originated (thousands of tons)										Total revenue freight carried, 1927 (thousands of tons)		
	All districts										Eastern district	South- ern district	West- ern district
	1920	1921	1922	1923	1924	1925	1926	1927	1927	1927			
Grand total carload and less than carload traffic	1,265,421	940,183	1,023,745	1,279,080	1,187,296	1,947,949	1,336,143	1,388,027	309,917	431,726	1,327,609	437,947	674,902
Grand total, carload traffic	1,202,219	898,181	980,516	1,234,692	1,146,747	1,206,656	1,296,551	1,343,585	300,997	416,919	1,204,187	424,317	656,915
Products of agriculture, total	110,640	114,068	111,787	109,318	116,687	108,313	111,787	113,575	14,584	75,613	72,351	31,741	115,607
Wheat	23,131	23,039	24,805	23,091	27,444	21,648	24,379	26,237	714	21,509	8,912	1,767	27,717
Corn	2,680	2,218	19,275	15,531	14,883	12,680	13,027	13,102	1,830	8,077	6,785	2,853	11,263
Oats	8,615	7,542	7,646	8,332	8,607	8,450	6,496	6,516	759	3,404	3,751	1,548	4,926
Other grain	5,669	4,506	5,245	4,739	5,646	4,564	4,014	4,216	83	4,659	1,976	1,369	6,000
Flour and meal	13,952	10,572	10,064	10,518	10,331	9,901	10,147	10,027	781	6,912	10,003	2,922	10,171
Other mill products	8,801	7,881	9,000	10,002	10,065	9,576	9,768	10,179	1,125	5,476	11,137	3,151	8,215
Hay, straw, and culm	7,857	5,154	5,723	5,965	6,502	5,506	6,028	4,468	276	2,480	3,668	1,166	3,382
Tobacco	7,061	927	882	1,069	1,070	1,038	1,010	1,053	867	53	440	1,323	70
Cotton	3,379	3,101	3,073	2,887	3,259	4,127	4,482	4,182	525	2,547	1,419	3,399	4,549
Cottonseed and products, except lard	4,573	1,409	3,546	3,574	4,596	5,840	6,484	6,048	2,382	3,141	631	4,011	4,543
Citrus fruits	1,404	1,344	1,141	1,542	1,650	1,363	1,533	1,765	642	1,084	1,871	1,652	2,810
Other fresh fruits	5,271	4,061	5,003	5,249	5,114	5,910	6,321	5,652	1,237	3,220	5,977	2,953	8,907
Potatoes	4,114	4,639	1,829	4,608	4,691	4,614	4,399	4,728	536	2,267	6,975	1,643	8,176
Other fresh vegetables	2,305	1,808	2,324	2,473	2,685	2,828	2,800	3,083	656	1,528	3,596	1,766	4,940
Dried fruits and vegetables	1,165	1,179	1,154	1,135	1,438	1,533	1,698	1,528	46	1,153	877	229	2,200
Other products of agriculture	9,741	9,702	7,686	8,863	9,524	9,824	9,501	10,528	635	8,071	3,743	1,147	9,602
Animals and products, total	26,585	24,263	26,330	28,354	27,747	26,394	26,944	26,009	2,064	18,101	18,081	4,911	94,260
Horses and mules	9,936	425	491	903	97	94	94	96	104	388	112	203	9,561
Cattle and calves	9,909	8,522	9,567	9,400	9,315	9,330	9,240	8,436	627	7,007	2,320	572	9,452
Sheep and goats	1,344	1,175	1,159	1,159	1,215	1,224	1,270	1,206	54	1,048	403	82	1,678
Hogs	5,421	5,504	5,785	6,944	6,707	5,502	5,272	6,360	434	3,927	2,157	648	4,679
Fresh meats	2,770	2,777	2,614	3,023	3,000	2,904	2,936	2,985	212	1,849	3,966	713	2,238
Other packing house products	2,206	2,084	2,049	2,396	2,395	2,139	2,022	1,957	222	1,935	2,152	394	1,417
Poultry	204	276	292	366	376	357	409	408	45	280	827	96	412
Eggs	536	550	565	597	572	591	644	651	65	459	956	165	694
Butter and cheese	425	434	507	571	645	686	725	747	29	573	1,076	125	761
Wool	283	400	340	291	294	263	281	356	5	127	1,621	10	227
Hides and leather	1,051	972	1,061	1,090	1,026	1,026	965	1,010	117	330	1,716	224	520
Other animals and products	1,540	1,329	1,531	1,514	1,668	1,758	1,857	2,054	140	1,160	1,715	279	1,683



### No. 424.—CAR LOADINGS: AVERAGE WEEKLY LOADINGS OF REVENUE FREIGHT, CLASS I RAILWAYS, BY PRINCIPAL COMMODITY GROUPS

[NOTE.—The difference between the averages in the following table and those in the corresponding tables previously published is owing to changes in weekly groupings. In 1927 a week falling within two months is included in the month in which it ends, and averages for months in all prior years are computed according to the number of weeks included in a month in 1927. Averages for years for all commodities are: 1918, 857,540; 1919, 804,472; 1920, 867,663; 1921, 756,215; 1922, 830,915.]

Month	1922	1924	1925	1926	1927	1922	1924	1925	1926	1927
	Total, all commodities					Grain and grain products				
Year.....	857, 025	935, 354	885, 080	1, 021, 151	904, 506	43, 783	42, 436	44, 941	45, 449	46, 053
January.....	843, 491	841, 162	889, 895	921, 674	946, 100	47, 890	43, 112	49, 322	47, 094	46, 115
February.....	840, 400	904, 232	914, 060	919, 333	955, 963	40, 345	49, 255	44, 623	42, 766	44, 597
March.....	911, 220	924, 762	908, 435	969, 349	1, 004, 099	41, 275	44, 448	38, 495	39, 812	40, 054
April.....	940, 108	881, 124	931, 920	958, 201	978, 150	39, 071	38, 637	33, 289	37, 518	37, 630
May.....	986, 052	913, 294	985, 073	1, 034, 455	1, 024, 186	33, 898	39, 978	36, 598	39, 964	39, 632
June.....	989, 704	884, 370	971, 446	1, 022, 335	993, 540	33, 668	37, 380	36, 525	39, 314	39, 118
July.....	992, 441	888, 632	978, 529	1, 042, 752	987, 079	41, 422	42, 471	40, 341	54, 754	45, 905
August.....	1, 020, 267	955, 797	1, 060, 654	1, 067, 030	1, 062, 340	51, 629	58, 942	53, 681	55, 637	54, 974
September.....	1, 035, 610	1, 020, 185	1, 075, 337	1, 130, 778	1, 090, 006	51, 177	67, 089	53, 064	49, 079	59, 675
October.....	1, 042, 029	1, 044, 002	1, 113, 406	1, 193, 615	1, 117, 584	49, 878	60, 097	47, 994	51, 852	54, 735
November.....	1, 013, 605	1, 024, 104	1, 065, 418	1, 062, 068	966, 655	49, 232	58, 052	48, 484	43, 687	45, 515
December.....	828, 361	870, 804	924, 708	908, 078	834, 521	45, 479	47, 826	50, 888	42, 066	43, 896
	Livestock					Coal				
Year.....	34, 010	33, 712	31, 454	30, 898	29, 765	163, 782	164, 182	171, 957	160, 996	177, 734
January.....	34, 049	30, 236	34, 523	33, 479	32, 454	194, 290	194, 909	202, 062	187, 445	223, 439
February.....	31, 609	33, 138	32, 054	28, 231	27, 748	185, 804	191, 986	180, 612	174, 564	213, 411
March.....	30, 609	31, 486	28, 188	28, 374	27, 316	187, 030	171, 969	151, 868	181, 477	211, 766
April.....	31, 027	29, 179	27, 465	27, 055	27, 410	177, 528	129, 576	139, 779	164, 159	158, 840
May.....	30, 967	31, 623	27, 808	27, 738	28, 844	181, 146	134, 526	153, 933	168, 237	161, 782
June.....	29, 476	29, 948	25, 948	26, 871	27, 096	182, 947	136, 654	164, 306	171, 663	152, 826
July.....	30, 081	29, 159	26, 515	26, 796	25, 645	184, 035	138, 737	161, 905	176, 000	144, 317
August.....	32, 397	29, 982	29, 324	29, 291	28, 081	189, 943	150, 238	191, 202	199, 556	174, 158
September.....	38, 499	35, 579	31, 547	36, 775	30, 838	179, 517	172, 835	179, 902	199, 114	140, 358
October.....	42, 230	40, 607	41, 603	40, 046	38, 751	195, 212	193, 401	182, 471	225, 771	191, 411
November.....	41, 625	41, 466	37, 828	34, 578	33, 650	180, 844	185, 272	189, 796	235, 060	160, 246
December.....	36, 063	36, 082	32, 170	29, 091	28, 804	100, 338	175, 869	173, 135	213, 938	164, 379
	Coke					Ore				
Year.....	13, 796	9, 999	11, 987	13, 143	10, 552	45, 033	32, 280	38, 685	41, 907	39, 155
January.....	13, 758	11, 883	13, 562	17, 946	12, 205	10, 596	8, 250	9, 908	9, 879	9, 462
February.....	14, 652	12, 729	13, 277	17, 992	12, 376	9, 578	9, 392	10, 610	10, 198	10, 708
March.....	15, 385	13, 729	12, 586	14, 371	12, 390	12, 456	10, 749	11, 477	10, 544	10, 731
April.....	15, 884	11, 564	11, 465	12, 607	11, 603	18, 627	16, 817	20, 735	15, 042	22, 344
May.....	15, 196	9, 197	11, 650	11, 841	10, 604	58, 686	49, 816	62, 533	55, 301	59, 370
June.....	14, 818	7, 743	9, 238	11, 476	10, 454	77, 711	58, 646	62, 206	67, 663	63, 890
July.....	14, 437	6, 940	9, 143	11, 272	9, 737	82, 298	55, 980	62, 683	72, 788	63, 585
August.....	13, 379	6, 980	9, 626	11, 464	9, 690	81, 024	51, 599	62, 883	77, 601	62, 116
September.....	13, 582	8, 046	10, 990	12, 474	9, 772	75, 520	47, 768	69, 100	75, 196	56, 595
October.....	12, 251	9, 697	12, 849	13, 023	9, 509	62, 947	44, 613	53, 008	67, 698	48, 719
November.....	11, 288	9, 910	15, 495	12, 832	9, 098	41, 482	21, 957	38, 185	32, 078	19, 067
December.....	11, 101	11, 220	15, 671	11, 777	9, 597	10, 827	10, 109	12, 411	9, 594	8, 136
	Forest products					Miscellaneous and I. C. L.				
Year.....	72, 017	70, 522	71, 683	70, 977	65, 752	608, 544	673, 254	615, 493	638, 665	638, 637
January.....	66, 218	64, 064	65, 965	66, 959	64, 468	477, 679	442, 710	511, 430	558, 853	557, 957
February.....	65, 570	60, 254	78, 914	74, 826	68, 899	492, 732	527, 474	548, 791	510, 746	578, 246
March.....	74, 627	61, 627	80, 522	76, 972	70, 458	649, 793	570, 756	585, 320	617, 798	631, 407
April.....	76, 939	77, 730	78, 809	75, 692	68, 875	581, 031	579, 622	620, 119	626, 227	651, 447
May.....	75, 892	74, 460	76, 588	76, 704	70, 924	590, 267	573, 496	617, 904	656, 679	652, 740
June.....	76, 550	68, 587	73, 461	74, 244	67, 638	574, 533	546, 414	609, 759	631, 103	632, 518
July.....	71, 779	61, 541	69, 034	67, 227	64, 169	568, 421	551, 764	611, 906	623, 915	633, 721
August.....	76, 203	68, 334	71, 233	70, 739	68, 813	581, 692	589, 730	642, 724	661, 770	664, 509
September.....	73, 014	67, 556	69, 668	70, 546	67, 580	605, 302	621, 272	671, 064	687, 894	685, 386
October.....	74, 154	70, 329	70, 742	72, 218	67, 305	645, 368	606, 258	704, 498	722, 935	707, 372
November.....	74, 404	69, 893	67, 590	65, 504	61, 952	614, 726	635, 533	608, 059	658, 329	618, 059
December.....	60, 104	64, 001	64, 511	54, 547	51, 929	506, 449	526, 130	575, 913	636, 494	527, 689

Source: American Railway Association.

## No. 425.—STEAM RAILWAY ACCIDENTS, BY CAUSES

[NOTE.—See headnote to Table 425]

Cause of accident	Killed					Injured				
	1916-1920, average	1921-1925, average	1925	1926	1927	1916-1920, average	1921-1925, average	1925	1926	1927
All accidents.....	8,682	8,618	8,786	7,090	8,921	178,693	141,688	187,435	130,235	104,799
Train accidents.....	884	394	416	380	386	8,457	4,409	3,919	3,916	2,072
Passengers.....	125	72	83	79	10	4,052	2,423	2,053	1,829	1,511
Employees.....	434	257	285	198	195	3,758	1,597	1,489	1,530	1,221
Other persons.....	125	85	100	88	81	649	389	370	457	340
Causes:										
Collisions.....		139	134	152	80		2,071	1,762	2,319	1,557
Passengers.....		37	22	38	6		1,172	917	1,223	897
Employees.....		69	86	107	66		764	699	877	549
Other persons.....		14	16	7	9		135	146	219	111
Derailments.....		197	226	141	122		2,109	1,911	1,362	1,271
Passengers.....		34	61	36	4		1,212	1,113	587	589
Employees.....		111	122	64	88		690	619	599	520
Other persons.....		52	43	41	35		206	179	176	162
Other causes.....		58	68	67	84		236	239	235	244
Passengers.....		2		5			39	23	19	25
Employees.....		36	27	22	47		143	171	154	152
Other persons.....		20	41	40	37		46	45	62	67
Train-service accidents.....	7,482	5,794	5,948	6,328	6,098	55,240	44,480	44,061	45,733	39,631
Passengers.....	179	100	88	75	60	3,368	2,155	2,899	2,632	2,375
Employees.....	2,402	1,088	1,064	1,181	1,039	42,903	31,563	30,966	32,572	26,936
Other persons.....	5,281	4,606	4,794	5,078	4,988	8,969	9,701	10,187	10,529	10,220
Causes										
Coupling or uncoupling locomotives or cars.....		80	64	64	48		1,624	1,536	1,501	1,326
Coupling or uncoupling air hose.....		22	19	20	21		436	452	456	398
Operating locomotives.....		20	14	11	22		6,259	5,468	5,697	4,467
Operating hand brakes.....		30	33	29	32		2,090	2,229	2,474	2,158
Operating switches.....		2	3		1		965	980	1,142	802
Contact with fixed structures.....		69	61	67	71		836	796	706	626
Getting on or off cars or locomotives.....		484	452	447	428		9,126	9,103	9,351	7,810
Highway grade-crossing accidents <sup>1</sup> .....		1,997	2,156	2,442	2,328		5,826	5,466	6,896	6,482
Struck or run over, not at public crossings.....		2,415	2,422	2,575	2,487		2,079	1,995	2,121	1,939
Miscellaneous.....		1,157	722	670	658		15,596	15,092	15,300	13,506
Nontrain accidents.....	510	430	408	401	439	112,998	93,800	89,442	80,599	62,198
Passengers.....	( <sup>2</sup> )	14	5	3	3	( <sup>2</sup> )	1,634	991	668	674
Employees.....	419	329	309	301	332	110,865	90,630	86,740	77,701	60,086
Other persons.....	97	97	97	97	104	2,132	1,724	1,781	2,197	1,436

<sup>1</sup> Excludes persons killed and injured at highway grade crossings in connection with derailments and miscellaneous train accidents.<sup>2</sup> Average for 1922 to 1924. Separate data not available for 1921.<sup>3</sup> No data available.

Source: Interstate Commerce Commission.



**No. 426.—PERSONS KILLED AND INJURED IN RAILWAY ACCIDENTS**

[NOTE.—For various reasons, including the fact that returns were required under different acts, the statistics are not strictly comparable. Prior to 1921, train accidents were those causing damage to railway property in excess of \$150 or any damage and a resulting casualty. Thereafter they were considered as such when the damage exceeded \$150 with or without a casualty. Where the damage is less than \$150 and there is a reportable casualty it is classified as a train-service accident. Figures for years 1911-1915 include industrial and other nontrain accidents to employees only, and for years 1908-1910 do not cover switching and terminal roads. Otherwise the statement covers all reportable accidents.]

Yearly average or year ended—	Total		Passengers		Employees		Other persons		Trespassers <sup>1</sup>	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
June 30:										
1891-1895.....	6,821	35,313	292	2,957	2,315	27,051	4,214	5,294	.....	.....
1896-1900.....	6,946	42,245	222	3,237	2,064	32,793	4,670	6,219	.....	.....
1901-1905.....	9,326	72,943	392	7,894	3,249	57,209	5,686	7,840	.....	.....
1906.....	10,618	97,705	359	10,764	3,929	76,701	6,330	10,241	.....	.....
1907.....	11,839	111,018	610	13,041	4,534	87,644	6,695	10,331	.....	.....
1908.....	10,188	104,230	381	11,556	3,405	82,487	6,402	10,167	.....	.....
1909.....	8,722	95,628	253	10,311	2,610	75,006	5,859	10,309	.....	.....
1910.....	9,682	119,507	324	12,451	3,393	95,671	5,976	11,385	.....	.....
1911.....	10,396	150,159	299	12,042	3,607	126,039	6,496	12,078	.....	.....
1912.....	10,585	169,538	283	14,938	3,635	142,442	6,667	12,158	.....	.....
1913.....	10,964	200,208	350	15,130	3,715	171,417	6,899	13,761	.....	.....
1914.....	10,302	192,662	232	13,867	3,259	165,212	6,611	13,563	.....	.....
1915.....	8,621	162,040	199	10,914	2,152	138,092	6,270	13,034	.....	.....
Dec. 31:										
1916.....	10,001	196,722	245	7,152	2,941	176,923	6,814	12,647	.....	.....
1917.....	10,087	194,808	.....	7,562	3,199	174,247	6,667	12,976	.....	.....
1918.....	9,286	174,575	471	7,316	3,419	156,013	5,395	11,246	.....	.....
1919.....	6,978	149,053	273	7,456	2,138	131,018	4,667	10,579	.....	.....
1920.....	6,956	169,309	229	7,591	2,576	149,414	4,151	11,304	.....	.....
1921.....	8,996	120,585	205	5,584	1,446	104,530	4,345	10,571	.....	.....
1922.....	6,325	124,871	208	6,712	1,657	117,197	1,967	7,634	2,498	3,128
1923.....	7,395	171,712	143	6,463	2,026	152,678	2,397	9,279	2,519	3,292
1924.....	6,617	143,739	152	6,028	1,543	125,319	2,800	9,268	2,621	2,129
1925.....	6,766	137,435	176	5,442	1,509	119,234	2,347	9,640	2,644	2,928
1926.....	7,090	130,235	155	5,140	1,672	111,903	2,640	10,387	2,623	2,796
1927.....	6,621	104,799	82	4,560	1,566	98,223	2,519	9,020	2,654	2,906

<sup>1</sup> Trespassers included with "other persons" prior to 1922.

**No. 427.—CONSUMPTION OF FUEL AND REPLACEMENTS OF RAILS AND TIES: CLASS I CARRIERS**

[NOTE.—Rails and ties laid in new construction are not included.]

	All districts			1926		
	1924	1925	1926	Eastern district	Southern district	Western district
Consumption of fuel by locomotives:						
Anthracite coal..... 1,000 tons	2,679	2,174	2,005	2,006	.....	.....
Bituminous coal..... do.....	117,247	117,714	122,823	59,451	28,266	35,106
Fuel oil <sup>1</sup> ..... 1,000 gallons	2,475,897	2,457,827	2,459,678	11,743	87,391	2,300,544
Hardwood <sup>2</sup> ..... cords	34,446	27,784	30,581	9,495	20,580	506
Softwood <sup>2</sup> ..... do.....	93,879	82,998	74,240	20,770	6,815	47,655
Total, coal equivalent <sup>3</sup> ..... 1,000 tons	135,617	135,420	140,426	61,562	28,004	50,070
Rails laid in replacement and betterment:						
Total tonnage..... 1,000 long tons	3,185	3,485	3,818	1,674	848	1,296
Total charges <sup>4</sup> ..... 1,000 dollars	117,079	126,467	139,899	57,908	32,317	49,584
Ties laid in previously constructed tracks:						
Cross-ties..... thousands	83,073	82,717	80,745	22,871	17,870	40,004
Switch and bridge ties... 1,000 board feet	291,288	282,630	275,972	104,317	65,678	105,977
Total charges <sup>4</sup> ..... 1,000 dollars	123,389	120,644	117,532	44,643	23,821	49,069

<sup>1</sup> The ratio of fuel oil to coal is based upon the experience of the various roads; 1 cord of hardwood equals two-thirds ton of coal, 1 cord of softwood equals one-half ton of coal.

<sup>2</sup> Totals include equivalent of a small amount of miscellaneous fuel.

<sup>3</sup> The total charges shown do not include the labor cost of applying the rails or ties.

<sup>4</sup> Figures do not include data for 6,325 linear feet of steel ties in 1924, 1,435 in 1925, and 450 in 1926.

Source of Tables 426 and 427: Interstate Commerce Commission.

## No. 428.—EXPRESS COMPANIES: INCOME ACCOUNT

[NOTE.—Mileage covered by operations of express companies, 1927: Total, 264,931; steam road, 232,401; electric line, 3,002; steamboat line, 24,352; airplane, 4,508; and stage line, 669. Of the total, the American Railway Express Co. operates on 254,582 miles and the Southeastern Express Co. on 10,349 miles]

[All figures in thousands of dollars]

Calendar year	Receipts for transportation	Paid for express privileges	Total operating revenues <sup>1</sup>	Operating expenses	Net operating revenues	Express taxes	Operating income <sup>2</sup>	Other income	Net income <sup>3</sup>
<b>American Railway Express Co.:</b>									
1920	333,800	141,829	195,665	234,810	<sup>4</sup> 59,144	2,182	<sup>5</sup> 41,364	2,076	<sup>6</sup> 59,826
1921	294,664	113,491	184,897	192,265	2,631	2,096	608	2,074	2,899
1922	291,349	142,323	152,503	149,142	3,361	2,214	1,108	1,956	2,774
1923	309,579	153,736	157,444	154,446	2,998	2,128	824	1,851	2,480
1924	287,281	139,997	150,640	147,447	3,193	2,102	1,048	1,458	2,262
1925	290,303	143,832	149,715	146,433	3,282	2,059	1,195	1,088	2,184
1926	294,819	147,812	150,097	146,826	3,272	2,143	1,110	1,237	2,316
1927	284,513	139,494	148,730	145,467	3,263	2,197	1,050	1,204	2,207
<b>Southeastern Express Co.:</b>									
1921 <sup>7</sup>	4,374	1,649	2,781	2,719	61	25	37	10	47
1922	7,108	3,320	3,890	3,780	130	79	50	20	70
1923	7,866	3,877	4,097	3,908	189	88	99	24	123
1924	7,910	3,755	4,266	4,103	163	100	51	19	70
1925	8,041	3,912	4,241	4,085	156	86	67	20	87
1926	8,257	4,021	4,357	4,196	161	83	76	24	100
1927	8,176	3,971	4,342	4,188	154	88	62	28	90

<sup>1</sup> Includes revenues from sources other than transportation.

<sup>2</sup> Deducting, besides taxes, a small amount of uncollectible revenues.

<sup>3</sup> Sum of two preceding columns less small deductions.

<sup>4</sup> Deficit.

<sup>5</sup> Result of operations for eight months ended Dec. 31, 1921.

Source: Interstate Commerce Commission.

## No. 429.—THE PULLMAN CO.: ABSTRACT OF OPERATIONS

[NOTE.—The first annual report filed with the Interstate Commerce Commission was for the fiscal year ended June 30, 1910]

Year ended—	Gross revenues, car operations	Association revenues, debtor	Contract revenues, debtor	Expenses, car operations			Revenue passengers carried	
				Total	Conducting car operations	Operating income	Number	Per car day
June 30.								
1910	\$35,334,074	\$66,071	\$893,383	\$23,961,524	(1)	\$13,150,525	20,202,973	14
1911	35,997,582	597,799	1,516,590	25,910,476	\$10,682,957	8,914,543	21,655,052	12
1912	37,777,575	486,082	1,418,716	26,849,778	11,118,559	9,984,355	22,915,099	12
1913	40,103,216	512,691	2,034,781	26,712,979	11,785,302	12,417,056	24,864,216	12
1914	41,499,396	490,592	1,969,048	28,115,722	12,375,623	12,270,376	26,188,753	12
1915	38,722,661	467,130	1,953,755	26,632,739	11,715,693	10,816,274	24,252,462	12
1916	43,347,342	487,246	3,239,440	28,636,092	12,761,816	13,017,210	26,781,513	12
Dec 31—								
1916	44,202,619	482,426	2,604,189	30,878,525	13,466,796	11,745,234	27,506,396	12
1917	51,776,681	102,032	4,498,103	35,448,873	16,046,867	12,469,188	32,260,503	14
1918	49,967,147	—	3,918,234	40,593,070	20,202,094	7,762,856	28,751,279	13
1919	69,071,548	—	31,459	48,618,253	26,392,099	19,193,813	37,345,535	15
1920	72,139,906	—	13,134,269	60,773,216	30,810,845	8,844,065	39,253,761	16
1921	64,438,763	—	7,079,166	64,743,803	28,136,322	<sup>2</sup> 5,877,270	31,225,324	19
1922	65,582,201	—	8,379,158	53,029,407	26,022,330	8,539,789	31,748,385	13
1923	72,576,235	—	8,555,144	55,685,100	27,365,188	12,259,408	34,249,445	13
1924	72,757,836	—	9,075,343	61,609,196	30,022,962	7,755,368	34,085,756	12
1925	80,198,066	—	8,873,299	63,512,593	32,247,467	12,546,004	35,525,810	12
1926	81,834,317	—	9,463,043	68,204,247	35,008,765	9,564,836	36,073,211	11
1927	80,962,208	—	8,906,444	66,602,582	34,847,722	10,360,097	35,197,178	11

<sup>1</sup> Not separated.

<sup>2</sup> Deficit.

Source: Interstate Commerce Commission.

**No. 480.—ALASKAN GOVERNMENT RAILROAD TRAFFIC: ANALYSIS OF STATISTICS OF PASSENGER AND FREIGHT SERVICES, YEAR ENDED JUNE 30, 1927**

Road mileage operated—monthly average	543.7	FREIGHT TRAFFIC	
PASSENGER TRAFFIC			
Passenger train-miles <sup>1</sup>	26,919	Freight train-miles	99,295
Mixed train-miles	124,617	Mixed train-miles	124,617
Passenger car-miles, passenger trains <sup>1</sup>	26,919	Loaded cars, 1 mile, freight trains	1,311,245
Passenger car-miles, mixed trains	211,870	Loaded cars, 1 mile, mixed trains	217,259
Total revenue passengers carried	53,809	Empty cars, 1 mile, freight trains	762,897
Number of revenue passengers carried		Empty cars, 1 mile, mixed trains	160,571
1 mile	3,629,300	All cars, 1 mile	2,451,975
Average distance per passenger carried, miles	67.68	Percentage of loaded to total car-miles	62
Total passenger revenue	\$307,148	Tons of revenue freight carried:	
Revenue per passenger	\$3.86	Coal	41,069
Average revenue per passenger per mile	\$0.05709	Miscellaneous	41,357
Average revenue per train-mile, passenger and mixed	\$1.84	Tons of revenue freight carried 1 mile	15,939,211
Average number of revenue passengers per train-mile	23.48	Average distance hauled per revenue ton, miles	205.53
Average revenue per car-mile	\$0.85673	Total freight revenue	\$511,507
		Average revenue per ton per mile	\$0.04791
		Average revenue per train-mile	\$3.62
		Average revenue tons per loaded car-mile	11.06
		Average revenue per loaded car-mile	\$0.53091
		Average revenue tons per car-mile loaded and empty	6.91
		Average revenue tons per train-mile	75.65

<sup>1</sup> Motor miles.

Source: Department of the Interior

**No. 481.—ELECTRIC RAILWAYS: SUMMARY OF OPERATIONS**

[NOTE.—This table does not include the electric operations of steam railway companies. Many electric railway companies also engage in other operations, especially in the sale of current for light and power; wherever possible, such light and power business has been excluded, but for numerous companies this is impossible. No distinction can be made in the statistics between purely urban street railways and suburban and interurban lines. The insignificant amount of business still conducted by cable and animal traction is included, as well as some operations conducted by primarily electric railways by means of steam traction and gasoline engine cars. In the trackage statistics of this table, each track of a double or multiple line is counted separately]

	1890	1902	1907	1912	1917	1922
Number of companies	789	987	1,236	1,260	1,307	1,200
Miles of all track operated	8,123.02	22,576.99	34,381.51	41,064.82	44,635.37	43,931.86
Operated by						
Electricity	1,261.97	21,901.53	34,037.64	40,808.39	44,676.51	43,789.08
Cable	488.31	240.69	61.71	56.41	45.32	45.90
Animal traction	5,661.44	259.10	136.11	57.52	11.16	4.02
Steam	711.30	169.81	105.06	76.34	41.03	1.06
Gasoline-engine cars		16.06	40.99	66.16	55.81	86.06
Gravity					5.74	5.74
Value of road and equipment (thousand dollars)	389,357	2,167,634	3,637,669	4,596,563	5,136,442	5,056,762
Number of employees	70,764	140,769	221,429	282,461	294,826	300,523
Number of passenger cars	32,805		70,016	76,162	79,914	77,301
Revenue passengers including pay transfer <sup>4</sup> (thousands)	2,023,010	4,774,212	7,441,115	9,545,555	11,304,660	12,556,559
Operating revenues	\$90,617,211	\$247,553,999	\$418,187,858	\$567,511,704	\$709,825,092	\$1,016,719,092
Operating expenses	\$62,011,185	\$142,312,597	\$251,309,252	\$332,896,356	\$452,594,654	\$727,795,168
Operating ratio (per cent)	68.4	57.5	60.1	58.7	63.9	71.6

<sup>1</sup> Includes companies maintaining separate organizations, though leased to and controlled through stock ownership by other companies, largely in Pennsylvania. In 1912 and 1907 these companies were treated as merged and not included in the number reported

<sup>2</sup> Compressed air

<sup>3</sup> Includes 1.26 miles operated by tractor

<sup>4</sup> Not including motor-bus passengers

Source: Bureau of the Census, Department of Commerce.

**No. 432.—ELECTRIC RAILWAYS: MILEAGE, EQUIPMENT, OUTPUT OF ELECTRICITY, TRAFFIC, EMPLOYEES, AND SALARIES AND WAGES**

[NOTE.—See headnote to Table 431]

	All companies				Surface lines, 1922	Subway and elevated lines, 1922
	1907	1912	1917	1922		
Number of operating companies.....	945	975	943	858	851	
Miles of all track, total <sup>1</sup> .....	34,403.56	41,064.82	44,835.37	43,931.86	43,073.93	857.93
First track (length of line).....	25,547.19	30,437.86	32,547.58	31,264.26	( <sup>2</sup> )	( <sup>2</sup> )
Second and other main tracks.....	6,938.68	7,895.76	8,899.09	9,100.07	( <sup>2</sup> )	( <sup>2</sup> )
Sidings and turnouts.....	1,917.69	2,731.20	1,918.16	2,085.76	( <sup>2</sup> )	( <sup>2</sup> )
Car houses, yards, etc.....			1,470.54	1,481.77	( <sup>2</sup> )	( <sup>2</sup> )
Electric track with—						
Overhead trolley <sup>3</sup> .....	32,501.71	38,958.06	42,490.71	41,417.91	<sup>4</sup> 41,367.18	<sup>5</sup> 50.73
Third rail <sup>6</sup> .....	1,209.78	1,395.13	1,689.37	1,893.11	<sup>4</sup> 1,065.55	<sup>5</sup> 827.56
Conduit trolley.....	322.70	351.72	361.54	421.30	421.30	-----
Storage battery.....	3.00	64.67	112.64	37.61	37.61	-----
Gas-electric motor.....	22.50	38.81	24.43	40.11	40.11	-----
Number of cars, total.....	83,641	94,016	102,603	99,255	91,159	8,096
Passenger.....	70,016	76,162	79,914	77,301	69,397	7,904
Express, freight, baggage, and mail.....	5,669	7,794	11,534	11,406	11,406	-----
Service cars.....	7,956	10,060	11,155	10,548	10,356	192
Number of electric locomotives.....	117	277	357	404	404	-----
Horsepower of power-plant equipment, total.....	<sup>6</sup> 2,519,823	3,661,385	4,200,192	4,119,306	( <sup>7</sup> )	( <sup>7</sup> )
Steam turbines.....	535,404	1,462,800	2,322,692	2,856,006	( <sup>7</sup> )	( <sup>7</sup> )
Other steam engines.....	<sup>6</sup> 1,876,123	1,703,088	1,221,223	827,027	( <sup>7</sup> )	( <sup>7</sup> )
Internal-combustion engines.....	16,335	24,190	28,294	32,495	( <sup>7</sup> )	( <sup>7</sup> )
Water wheels and turbines.....	91,961	471,307	627,983	403,778	( <sup>7</sup> )	( <sup>7</sup> )
Kilowatt capacity of generators.....	1,723,416	2,505,316	2,924,779	2,972,834	( <sup>7</sup> )	( <sup>7</sup> )
Electric energy, (1,000 kilowatt hours).....		9,020,018	12,187,851	12,405,053	( <sup>7</sup> )	( <sup>7</sup> )
Generated.....	4,759,130	6,002,659	7,240,503	6,473,451	( <sup>7</sup> )	( <sup>7</sup> )
Purchased.....	( <sup>7</sup> )	3,017,359	4,947,348	5,931,602	( <sup>7</sup> )	( <sup>7</sup> )
Passengers carried, total (thousands).....	9,533,081	12,135,342	14,506,915	<sup>8</sup> 15,331,400	13,586,232	1,745,168
Revenue passengers, including pay transfer.....	7,441,115	9,545,555	11,304,661	12,666,558	10,923,274	1,743,284
Free-transfer passengers.....	1,995,658	2,423,918	3,021,138	2,496,570	2,662,958	1,884
Free passengers.....	96,308	165,869	181,116	168,272		
Revenue car mileage, total (thousands).....	1,617,731	1,921,620	2,139,802	2,124,523	1,821,177	303,346
Passenger.....	1,583,831	1,885,870	2,087,819	2,068,294	1,764,948	303,346
Express, freight, and mail.....	33,900	35,750	51,983	56,229	56,229	-----
Average number of revenue passengers:						
Per mile of all track <sup>9</sup> .....	216,522	232,556	252,323	288,600	253,842	2,031,965
Per passenger car hour.....	43.06	48.38	53.69	61.14	( <sup>7</sup> )	( <sup>7</sup> )
Revenue car hours, total (thousands).....	151,339	190,478	203,057	201,838	-----	-----
Passenger.....	148,678	187,590	199,053	197,146	-----	-----
Express, freight, and mail.....	2,661	2,888	4,004	4,692	-----	-----
Salaried employees:						
Number.....	11,700	23,271	27,151	30,239	28,867	1,372
Salaries.....	\$12,909,466	\$26,128,786	\$33,909,674	\$57,489,091	\$54,481,024	\$3,008,067
Wage earners:						
Number.....	209,729	259,190	267,675	270,284	244,277	26,007
Wages.....	\$138,081,633	\$174,762,153	\$233,330,688	\$388,191,044	\$347,203,108	\$40,967,936
Conductors, motormen, and one-man car and bus operators—						
Number.....	115,518	131,321	136,184	130,628	126,717	<sup>10</sup> 3,911
Wages.....	\$75,705,054	\$95,451,625	\$127,222,144	\$205,238,478	\$197,131,208	\$8,107,270
Other wage earners—						
Number.....	94,211	127,869	131,491	139,656	117,560	22,096
Wages.....	\$62,376,579	\$79,310,528	\$106,108,544	\$182,952,566	\$150,071,900	\$32,880,666

<sup>1</sup> Includes track lying outside the United States (1922 and 1917, 27.06 miles; 1912, 31.91; and 1907, 27.52 miles).

<sup>2</sup> Not shown separately.

<sup>3</sup> Includes 20.96 miles in 1922 and 2.18 miles in 1917 operated by both overhead trolley and third rail.

<sup>4</sup> Includes 0.60 mile operated by both overhead trolley and third rail.

<sup>5</sup> Includes 20.36 miles operated by both overhead trolley and third rail.

<sup>6</sup> Includes 857 units of 43,344 horsepower reported as auxiliary engines.

<sup>7</sup> No data.

<sup>8</sup> In addition there were 16,120,000 passengers carried by 370 motor busses operated by electric railway companies.

<sup>9</sup> Exclusive of idle track and freight and switching roads.

<sup>10</sup> Exclusive of guards on subway and elevated trains, who are classified under "All other wage earners."

Source: Bureau of the Census, Department of Commerce.

### No. 438.—ELECTRIC RAILWAYS: TRACK MILEAGE AND NUMBER OF CARS AND BUSES OPERATED

[NOTE.—This table includes the mileage and equipment of street, interurban, and electrified steam railroads. Steam locomotives and cars owned by electric railways and used primarily for steam service are omitted. All data for 1924 and 1925 and data for buses 1923 are about December; all other data about July. In many instances, 1925 data for individual railways were not available and 1924 data were used.]

State	Com- panies oper- ating	Miles of all track	Passenger cars		Elec- tric loco- motives	Freight cars		Serv- ice cars	Other cars	All cars	Buses oper- ated by elec- tric rail- ways
			Motor	Trailer		Motor	Trailer				
<b>Total United States:</b>											
1913	1,077	46,454	79,007	3,048	612	538	1,984	14,036	380	99,405	(*)
1918	991	48,484	80,270	3,613	645	1,107	3,745	13,817	182	102,879	(*)
1919	841	48,326	79,655	4,447	869	866	5,622	3,672	10,114	105,245	(*)
1920	831	47,705	77,722	6,027	751	1,215	7,441	5,723	6,809	105,688	(*)
1921	838	47,555	77,921	6,142	760	1,324	7,712	7,005	4,754	105,619	129
1922	827	47,150	75,442	7,624	772	1,375	7,903	8,761	2,795	104,672	300
1923	821	47,283	75,249	7,423	814	1,712	8,442	8,971	2,435	105,046	1,173
1924	780	46,837	75,678	6,768	799	1,790	9,016	9,092	2,491	105,634	2,394
1925	759	46,750	74,898	6,737	800	1,780	9,128	9,004	2,870	104,716	6,907
<b>New England States</b>	73	5,411	8,465	356	168	230	104	1,498	110	10,893	577
Connecticut	9	1,574	1,002	68	120	61	12	259	1	2,127	148
Maine	14	512	384	6	8	31	76	122	34	651	7
Massachusetts	26	2,571	5,008	252	10	95	12	887	73	6,337	321
New Hampshire	12	250	324	2	2	5	1	50	0	1,303	15
Rhode Island	4	391	1,044	20	3	25		165		1,273	83
Vermont	6	114	80		3	3	3	9	8	112	3
<b>Eastern States</b>	346	13,814	21,610	2,612	183	383	346	3,196	701	26,043	1,926
Delaware	1	140	191	72		3		30		296	45
District of Columbia	6	288	929	85	6	5	22	123		1,172	62
Maryland	9	688	1,967	164	18	22	74	11	14	2,265	134
New Jersey	21	1,434	2,923	108	2	7	10	323	23	3,396	879
New York	86	5,428	16,097	1,614	132	111	103	1,546	537	20,740	221
Pennsylvania	96	4,562	7,651	497	6	178	96	1,066	122	9,618	403
Virginia	13	447	863	63	3	17	32	60	1	1,039	134
West Virginia	14	697	396	9	19	19	30	37	4	516	26
<b>Central States</b>	224	15,738	21,506	2,579	180	572	2,817	2,571	1,065	31,569	1,819
Illinois	40	3,554	6,342	870	63	343	1,082	704	16	9,420	180
Indiana	28	2,485	1,783	266	9	57	602	120	367	3,267	201
Iowa	22	958	716	111	36	20	378	153	8	1,422	53
Kentucky	6	486	765	62		15	10	143	8	1,003	24
Michigan	22	1,795	2,817	338	23	133	170	300	274	4,055	427
Minnesota	10	707	1,212	10	4	4	2	104	2	1,338	108
Missouri	19	1,145	2,568	265	4	21	27	344	22	3,251	153
Ohio	59	3,827	4,140	579	33	241	456	462	364	6,275	489
Wisconsin	18	801	1,163	74	8	38	30	241	4	1,558	195
<b>Southern States</b>	70	2,474	3,733	813	91	47	217	343	63	4,799	163
Alabama	5	384	467	80	2	10	34	104	15	712	7
Arkansas	8	125	223	19		1	4	17	3	267	17
Florida	7	107	353	11		12	6	26		407	26
Georgia	10	460	688	32	1	4	10	13	46	794	38
Louisiana	9	316	828	45		3		82	2	958	22
Mississippi	7	94	106	20		5	1	5	2	139	11
North Carolina	6	355	265	22	17	6	101	25	8	534	21
South Carolina	4	126	126	9		1		6	12	154	14
Tennessee	9	417	660	60	1	5	2	65	5	827	7
<b>Western States</b>	146	9,294	9,563	875	279	349	5,631	1,402	401	16,400	722
Arizona	3	44	48					3		51	1
California	33	3,406	4,247	310	90	104	3,653	690	63	9,127	390
Colorado	10	392	392	138	4	7	185	122	6	658	7
Idaho	2	89	32		3		21	3		59	2
Kansas	13	517	390	26	3	46	113	43		591	42
Montana	7	845	112	26	89	7	2	12		248	
Nebraska	5	281	605	10	3	4		93		715	6
Nevada	1	8	5							5	
New Mexico	2	11	16							16	1
North Dakota	4	26	40	22				9		71	
Oklahoma	13	371	289	16	9	6	187	22	34	563	55
Oregon	9	754	700	93	19		506	194	56	1,570	25
South Dakota	2	20	27			2		3		34	14
Texas	22	1,018	1,404	95	1	19	12	137	25	1,693	73
Utah	5	483	27	45	21	7	240	13	21	764	3
Washington	14	1,040	1,063	92	33	47	710	88		2,033	106
Wyoming	1	16	8						4	12	

\* Mileage expressed in nearest mile, originally expressed in nearest hundredth.

\* No report for buses.

Source: Electric Railway Journal.

## No. 484.—FINANCIAL STATISTICS OF ELECTRIC RAILWAYS

[NOTE.—See headnote to Table 431.]

[All figures, except percentages, in thousands of dollars.]

	All companies				Surface lines, 1922	Subway and elevated lines, 1922
	1907	1912	1917	1922		
INCOME ACCOUNT—OPERATING COMPANIES						
Gross operating revenue.....	418, 188	567, 511	709, 828	1, 016, 719	910, 857	105, 863
Railway operations.....	400, 896	535, 996	650, 150	925, 477		
Passenger.....	362, 132	502, 652	603, 130	854, 663	757, 736	98, 927
Baggage, express, and milk.....	1, 561	3, 068	4, 966	5, 285		
Freight.....	5, 231	10, 165	12, 546	31, 500	153, 121	8, 985
Other railway operations.....	11, 972	19, 491	23, 806	33, 969		
Auxiliary operations.....	17, 292	31, 515	59, 675	91, 242		
Operating expenses (total).....	251, 309	332, 896	452, 596	727, 795	660, 135	67, 660
Railway operating expenses.....	245, 140	318, 700	421, 251	678, 563	612, 099	66, 464
Way and structures.....	28, 521	44, 270	55, 470	102, 003	94, 196	7, 877
Equipment.....	31, 486	38, 717	48, 982	87, 236	77, 500	9, 736
Power.....	43, 972	53, 599	76, 958	107, 246	92, 790	14, 455
Conducting transportation.....	1 97, 123	1 120, 205	174, 973	286, 690	256, 957	29, 733
All other.....	44, 038	52, 909	64, 868	95, 388	90, 726	4, 602
Auxiliary operations.....	6, 169	14, 196	31, 344	49, 232	48, 036	1, 196
Ratio of expenses to revenue (per cent).....	60. 1	58. 7	63. 8	71. 6	72. 5	63. 9
Net operating revenue.....	166, 879	234, 615	257, 230	288, 924	250, 722	38, 202
Taxes (deduct).....	19, 756	35, 028	45, 756	64, 788	58, 347	6, 441
Operating income.....	147, 123	199, 587	211, 474	224, 136	192, 375	31, 761
Nonoperating income (add).....	11, 556	18, 419	20, 283	32, 329	29, 708	2, 621
Gross income.....	158, 679	218, 006	231, 757	256, 465	222, 083	34, 382
Deductions from gross income (total).....	2 118, 339	149, 866	175, 306	199, 277	164, 421	34, 856
Rent for leased roads.....	48, 022	44, 785	48, 303	43, 771	30, 927	12, 834
Interest on debt.....	63, 741	98, 025	119, 113	139, 126	119, 901	19, 225
Miscellaneous.....	2 6, 576	7, 056	7, 890	16, 380	13, 563	2, 797
Net income.....	40, 340	68, 140	56, 451	57, 188	57, 662	1 474
Dividends.....	26, 455	51, 650	48, 337	36, 729	36, 729	
Surplus.....	13, 885	16, 490	8, 114	20, 459	20, 933	2 474
INCOME STATISTICS—OPERATING AND LESSOR COMPANIES COMBINED 3						
Gross income.....	159, 092	218, 467	232, 213	257, 217		
Interest.....	81, 771	112, 259	135, 260	152, 247		
Other deductions from gross income 4.....	1 8, 533	17, 353	15, 183	30, 764		
Net income.....	68, 788	87, 855	81, 770	74, 206		
Dividends.....	54, 485	70, 992	73, 263	53, 663		
Surplus.....	14, 303	16, 863	8, 507	20, 543		
Per cent of stock paying dividends.....	48. 3	53. 3	49. 2	39. 6		
Average rate of dividend on stock paying dividends (per cent).....	5. 4	5. 6	6. 0	5. 6		
Average rate of dividend on all stock, pct.....	2. 6	3. 0	3. 0	2. 3		
BALANCE SHEET—OPERATING AND LESSOR COMPANIES COMBINED 4						
Total assets or liabilities 5.....	4, 300, 041	5, 448, 695	6, 272, 617	6, 655, 274		
Assets—						
Road and equipment.....	3, 637, 669	4, 506, 563	5, 136, 443	5, 058, 763		
Other physical property.....			79, 608	69, 180		
Securities of other electric railways.....	210, 343	266, 962	312, 606	276, 534		
Securities of other companies.....	(7)	57, 775	63, 365	95, 757		
Treasury securities.....	27, 553	93, 143	77, 863	169, 902		
Other permanent investments.....	136, 766	47, 371	106, 769	153, 497		
Current assets and miscellaneous.....	251, 529	348, 732	415, 173	618, 202		
Profit and loss deficit 6.....	36, 179	38, 149	78, 741	193, 439		
Liabilities—						
Capital stock.....	2, 031, 986	2, 379, 346	2, 473, 847	2, 329, 173		
Funded debt.....	1, 672, 960	2, 329, 222	3, 061, 179	3, 103, 826		
Real estate mortgages.....	4, 060	6, 097	7, 196	13, 795		
Floating debt.....	278, 927	290, 162	166, 592	176, 735		
Reserves.....	27, 223	60, 776	75, 744	152, 082		
Accrued depreciation.....	(7)	(7)	73, 934	181, 127		
Miscellaneous liabilities.....	178, 262	223, 656	267, 310	531, 796		
Profit and loss surplus 6.....	106, 623	123, 436	156, 813	166, 740		
Net surplus.....	70, 444	95, 287	78, 072	2 86, 699		

1 Includes superintendence of power. 2 Includes "Charges for sinking fund."

3 Deficit.

4 Not shown separately for surface, subway, and elevated groups.

5 Exclusive of rentals paid by operating to lessor companies.

6 Figures for 1907 and 1912 not strictly comparable with those for later years.

7 Not reported separately.

8 For companies having surplus or deficit, respectively.

Source: Bureau of the Census, Department of Commerce.

## No. 435.—ELECTRIC RAILWAYS:

[NOTE.—See headnote to Table 431. The track mileage represents that actually lying in each State, but conducted in other States. The differences among the States in the relation of passengers carried to interurban as against purely urban traffic. The information obtained in regard to motor-bus operations are represents passenger, express, freight, and mail-car mileage]

Division and State	Miles of track lying in State or division <sup>1</sup>				Revenue passengers carried by companies domiciled in State (in thousands)				
	1907	1912	1917	1922	1907	1912	1917	1922	
								Car lines	Motor bus
<b>United States</b> ..	<b>34,354</b>	<b>41,093</b>	<b>44,908</b>	<b>43,908</b>	<b>7,441,118</b>	<b>9,645,550</b>	<b>11,904,000</b>	<b>12,006,000</b>	<b>12,791</b>
<b>New England</b> ..	<b>4,883</b>	<b>5,399</b>	<b>5,559</b>	<b>5,049</b>	<b>875,118</b>	<b>1,051,169</b>	<b>1,242,077</b>	<b>1,133,708</b>	<b>3,400</b>
Maine ..	418	530	572	566	36,730	47,049	55,463	50,910	—
New Hampshire ..	268	268	269	263	20,067	23,673	23,405	19,650	—
Vermont ..	113	121	125	117	7,103	8,136	8,739	8,950	—
Massachusetts ..	2,851	2,951	3,056	2,688	597,470	706,918	834,529	731,999	448
Rhode Island ..	431	435	454	403	91,172	94,086	113,191	142,166	853
Connecticut ..	781	903	1,080	1,011	122,554	172,300	206,740	182,941	2,009
<b>Middle Atlantic</b> ..	<b>8,891</b>	<b>10,064</b>	<b>10,604</b>	<b>10,619</b>	<b>2,839,010</b>	<b>3,513,731</b>	<b>4,225,287</b>	<b>4,978,142</b>	<b>98</b>
New York ..	3,809	4,486	4,773	4,737	1,667,687	2,126,964	2,492,325	3,090,878	—
New Jersey ..	1,320	1,309	1,368	1,342	269,099	356,858	432,875	466,811	8
Pennsylvania ..	3,762	4,270	4,462	4,440	912,233	1,029,899	1,300,087	1,420,453	80
<b>East North Central</b> ..	<b>10,353</b>	<b>11,854</b>	<b>12,708</b>	<b>12,431</b>	<b>1,807,895</b>	<b>2,158,821</b>	<b>2,719,838</b>	<b>2,977,464</b>	<b>2,838</b>
Ohio ..	3,671	3,999	4,236	3,974	480,844	632,332	811,913	870,160	2,004
Indiana ..	1,929	2,323	2,356	2,306	137,547	173,919	191,132	241,871	2
Illinois ..	2,754	3,186	3,441	3,416	703,493	932,668	1,096,904	1,127,719	388
Michigan ..	1,324	1,526	1,768	1,817	183,239	286,956	447,780	557,549	361
Wisconsin ..	676	849	901	919	102,772	134,646	164,906	180,185	1,190
<b>West North Central</b> ..	<b>3,455</b>	<b>3,081</b>	<b>3,807</b>	<b>3,694</b>	<b>615,631</b>	<b>787,301</b>	<b>902,369</b>	<b>941,841</b>	<b>1,096</b>
Minnesota ..	438	538	656	681	134,122	186,918	235,943	262,740	41
Iowa ..	641	784	1,015	999	61,440	93,418	108,896	95,494	—
Missouri ..	667	959	1,094	1,098	346,362	402,210	442,766	463,618	965
North Dakota ..	14	19	24	31	1,872	2,863	2,841	3,378	—
South Dakota ..	6	23	24	17	126	1,667	1,915	2,023	—
Nebraska ..	184	214	211	206	40,323	64,709	74,560	76,845	—
Kansas ..	306	494	682	581	20,380	35,527	40,456	37,742	—
<b>South Atlantic</b> ..	<b>2,944</b>	<b>2,900</b>	<b>2,921</b>	<b>2,181</b>	<b>487,963</b>	<b>616,725</b>	<b>747,582</b>	<b>830,216</b>	<b>296</b>
Delaware ..	105	99	102	96	15,724	18,024	26,047	20,860	—
Maryland ..	552	720	775	758	162,268	186,828	228,634	248,594	290
District of Columbia ..	160	188	195	190	91,569	114,100	125,536	155,952	—
Virginia ..	513	561	581	554	77,309	91,960	112,814	110,289	—
West Virginia ..	308	330	395	422	42,760	52,842	76,163	91,079	—
North Carolina ..	106	190	228	216	14,080	21,241	26,915	29,964	—
South Carolina ..	131	228	314	301	15,695	17,873	25,042	29,711	—
Georgia ..	351	417	450	449	59,701	80,601	93,640	108,950	8
Florida ..	118	165	183	197	18,889	27,236	32,771	41,317	—
<b>East South Central</b> ..	<b>1,079</b>	<b>1,291</b>	<b>1,457</b>	<b>1,477</b>	<b>220,887</b>	<b>268,785</b>	<b>292,004</b>	<b>308,021</b>	<b>—</b>
Kentucky ..	402	502	516	517	85,859	103,512	109,108	115,594	—
Tennessee ..	262	361	447	495	73,747	91,896	101,825	110,399	—
Alabama ..	294	309	369	368	52,197	62,494	70,343	73,946	—
Mississippi ..	86	119	124	98	9,084	10,883	10,731	4,412	—
<b>West South Central</b> ..	<b>940</b>	<b>1,372</b>	<b>1,764</b>	<b>1,734</b>	<b>168,338</b>	<b>270,746</b>	<b>313,205</b>	<b>380,560</b>	<b>1,507</b>
Arkansas ..	82	114	122	120	17,145	24,304	26,283	29,305	649
Louisiana ..	239	265	331	305	85,194	94,053	105,753	128,337	—
Oklahoma ..	100	252	302	324	9,602	22,121	30,766	35,402	858
Texas ..	419	721	950	975	81,497	130,268	150,401	187,536	—
<b>Mountain</b> ..	<b>630</b>	<b>1,046</b>	<b>1,311</b>	<b>1,291</b>	<b>113,304</b>	<b>184,224</b>	<b>182,222</b>	<b>148,706</b>	<b>42</b>
Montana ..	69	99	121	111	13,862	15,351	22,197	16,255	—
Colorado ..	317	408	467	431	73,458	80,597	84,624	81,613	—
New Mexico ..	10	11	11	11	1,029	951	1,480	1,383	42
Arizona ..	31	46	53	44	1,902	4,554	7,483	5,474	—
Idaho ..	73	129	155	149	1,327	4,170	3,279	3,256	—
Wyoming ..	—	23	23	23	—	1,399	1,457	684	—
Nevada ..	7	11	12	5	620	750	805	480	—
Utah ..	123	260	460	517	21,106	40,452	40,891	10,561	—
<b>Pacific</b> ..	<b>3,003</b>	<b>4,148</b>	<b>4,847</b>	<b>4,619</b>	<b>487,943</b>	<b>723,370</b>	<b>707,311</b>	<b>967,869</b>	<b>2,497</b>
Washington ..	730	991	1,022	954	110,507	126,087	145,922	142,745	684
Oregon ..	259	549	603	612	49,459	75,842	67,223	7,404	—
California ..	2,013	2,608	3,222	3,053	327,977	520,741	494,166	753,313	1,813

<sup>1</sup> Mileage figures expressed to nearest mile, original figures to nearest hundredth.

Source Bureau of Census, Department of Commerce.



## OPERATING STATISTICS, BY STATES

all other data relate to the total operations of companies domiciled in the State, part of which may be passenger revenue and in other similar ratios are largely due to differences in the relative importance of related only to those lines which formed integral parts of electric-railway companies. Revenue car mile-

Passenger revenue of companies domiciled in State (thousands of dollars)			Revenue car miles operated by companies domiciled in State (thousands)			Electric kilowatt hours generated or purchased by companies (thousands) <sup>1</sup>			Division and State
1912	1917	1922	1912	1917	1922	1912	1917	1922	
302,852	603,130	654,063	1,921,620	2,139,303	2,124,523	9,090,018	12,187,351	12,406,053	United States.
32,521	63,944	87,704	191,451	209,504	173,063	772,103	999,838	856,732	New England.
2,458	3,055	4,243	11,124	12,255	11,027	74,967	102,270	123,059	Maine.
1,202	1,191	1,585	4,726	3,880	4,006	17,555	16,498	17,608	New Hampshire.
423	487	451	1,776	1,865	1,406	8,989	21,755	15,330	Vermont.
35,146	42,442	58,521	125,894	137,560	106,162	485,620	634,368	507,506	Massachusetts.
13,292	16,769	22,904	15,085	17,304	16,244	66,619	80,610	60,521	Rhode Island.
			32,846	36,730	35,238	118,353	144,437	123,578	Connecticut.
180,634	217,573	297,600	863,589	706,881	710,550	2,717,900	2,305,150	2,582,781	Middle Atlantic.
110,700	128,296	168,451	411,008	432,267	442,114	1,701,299	2,068,249	2,317,327	New York.
17,616	21,561	30,663	60,994	68,966	69,214	216,470	267,944	257,563	New Jersey.
52,318	67,726	98,246	191,587	204,628	199,222	799,997	968,967	1,007,871	Pennsylvania.
118,138	148,331	213,363	474,339	543,033	546,337	2,263,964	2,206,626	2,182,161	East North Central.
32,672	42,631	53,350	137,548	153,469	141,247	692,017	1,195,401	1,057,656	Ohio.
12,796	14,679	20,286	47,879	52,214	58,552	277,337	359,504	393,750	Indiana.
49,815	59,941	93,817	201,027	225,445	230,127	950,837	1,197,748	1,248,193	Illinois.
15,577	23,025	31,473	61,189	82,294	83,571	218,892	303,852	303,984	Michigan.
6,968	8,055	12,430	26,506	29,607	32,840	124,881	149,121	179,578	Wisconsin.
40,834	48,538	66,890	158,347	173,688	174,012	696,398	963,126	905,389	West North Central.
9,420	12,189	15,850	32,793	38,794	36,066	153,369	176,320	169,131	Minnesota.
5,259	6,138	7,850	22,122	25,293	29,152	103,564	184,534	249,323	Iowa.
20,216	22,001	34,137	72,573	80,670	80,738	361,995	485,181	386,272	Missouri.
222	245	242	661	709	926	851	1,095	1,583	North Dakota.
3,277	3,784	4,930	12,613	14,018	13,980	39,660	52,583	61,215	South Dakota.
2,460	3,181	3,771	11,111	13,819	12,571	36,151	52,365	38,347	Nebraska.
30,921	39,395	58,883	194,891	142,658	155,184	642,079	1,285,465	1,558,814	South Atlantic.
15,490	19,225	30,996	3,967	4,123	3,683	22,512	49,041	72,552	Delaware.
			34,439	40,328	42,401	134,350	186,992	218,853	Maryland.
			18,558	18,538	21,037	84,892	98,905	134,842	District of Columbia.
4,532	6,078	7,540	19,903	21,068	24,312	123,110	231,491	347,532	Virginia.
3,034	4,502	6,570	11,707	14,623	15,238	67,168	112,161	160,287	West Virginia.
1,177	1,323	2,008	5,969	6,725	6,887	41,822	86,247	50,563	North Carolina.
929	1,750	1,755	4,658	8,236	7,719	17,876	103,864	66,907	South Carolina.
4,395	4,893	7,521	19,217	20,908	22,619	125,820	364,691	448,304	Georgia.
1,374	1,624	2,414	6,144	7,209	9,058	25,529	32,073	48,974	Florida.
13,868	13,127	20,840	58,056	64,293	58,389	290,348	411,235	389,189	East South Central.
5,592	5,995	7,043	22,274	22,863	20,372	88,875	101,774	80,978	Kentucky.
4,064	5,217	7,738	18,936	21,401	19,122	100,072	170,036	131,742	Tennessee.
3,004	2,425	4,812	13,313	16,037	15,829	87,751	114,223	106,282	Alabama.
608	590	650	3,533	3,900	3,075	13,650	23,302	10,187	Mississippi.
14,790	16,863	29,539	61,617	77,411	90,091	245,080	375,969	549,756	West South Central.
1,183	1,279	1,781	5,594	5,917	5,735	27,304	87,442	60,402	Arkansas.
4,725	5,334	9,398	21,612	23,833	20,429	109,350	137,777	209,374	Louisiana.
1,254	1,900	3,127	6,143	7,979	9,356	20,477	27,522	45,834	Oklahoma.
7,628	10,160	15,223	28,068	39,682	44,571	87,889	173,248	234,146	Texas.
8,061	9,267	11,459	30,150	34,120	32,739	906,845	131,910	193,483	Mountain.
800	1,150	951	2,901	3,592	2,979	10,227	17,927	18,304	Montana.
4,521	4,409	6,222	17,202	17,031	15,746	106,873	111,508	120,175	Colorado.
282	439	382	309	453	410	466	389	606	New Mexico.
			1,019	1,277	961	2,969	5,149	2,499	Arizona.
451	434	388	1,420	1,488	1,323	5,108	5,743	5,540	Idaho.
			381	308	253	1,036	844	798	Wyoming.
2,007	2,845	3,516	270	236	109	852	538	263	Nevada.
			6,648	9,735	10,939	80,011	39,812	45,256	Utah.
42,875	42,998	68,483	165,880	169,090	196,168	1,184,340	1,489,943	1,190,888	Pacific.
7,283	8,134	12,273	20,617	30,128	36,299	508,794	743,746	266,632	Washington.
4,578	4,221	6,285	19,609	22,629	21,341	182,547	233,153	339,636	Oregon.
21,014	29,927	49,906	116,554	130,403	138,528	492,899	512,343	584,020	California.

<sup>1</sup> Includes duplication of energy purchased from electric-railway companies; amount not ascertainable.

No. 436.—ELECTRIC RAILWAYS: MILEAGE OF ELEVATED AND SUBWAY AND TUNNEL TRACK, BY STATES

[NOTE.—In these statistics all track is included; each track of a double or multiple line is counted separately]

Class of trackage and State	1907	1912	1917	1922
Elevated, total .....	362.39	417.80	497.29	601.69
New York .....	200.41	230.80	296.99	362.80
Illinois .....	125.77	141.90	146.89	163.88
Pennsylvania .....	7.67	9.87	16.71	32.40
Massachusetts .....	16.70	26.58	26.23	30.08
New Jersey .....	<sup>1</sup> 7.26	4.37	4.41	4.36
Missouri .....	3.18	2.88	2.96	2.88
Washington .....				2.69
Maryland .....	1.40	1.40	1.40	1.40
California .....			1.20	1.20
Kansas .....			.50	
Subways and tunnels, total .....	74.77	112.70	218.79	325.56
New York <sup>1</sup> .....	60.38	70.54	162.37	269.14
Massachusetts .....	7.75	18.45	25.24	26.98
New Jersey <sup>1</sup> .....		11.68	12.62	12.62
Pennsylvania .....	5.62	8.42	8.95	7.95
California .....		.30	5.43	5.35
Illinois .....	.60	1.87	1.93	1.80
All other States <sup>1</sup> .....	.42	1.44	2.25	1.72

<sup>1</sup> Includes 3.06 miles of Camden and Atlantic branch of West Jersey & Seashore Railroad Co., tabulated as an electrified division of a steam road for 1917 and 1912.

<sup>2</sup> Excludes 11.68 miles operated in New Jersey.

<sup>3</sup> Includes 11.68 miles owned by a New York company.

<sup>4</sup> Rhode Island, Minnesota and Missouri, 1922; Connecticut, Minnesota, Missouri, Rhode Island, West Virginia, and Wisconsin, 1917; Kansas, Missouri, Oregon, and Tennessee, 1912; Missouri, 1907.

Source: Bureau of the Census, Department of Commerce.

No. 437.—RECEIVERSHIPS OF ELECTRIC RAILWAYS

Year	Placed under receivership				Sold under foreclosure				
	Num-ber of com-panies	Miles of track	Outstanding securities		Num-ber of com-panies	Miles of track	Outstanding securities		Receiv-ers' cer-tificates
			Stock	Bonds			Stock	Bonds	
			Dollars	Dollars			Dollars	Dollars	Dollars
1909	22	558.00	29,962,200	22,325,000-	21	488.00	22,265,700	21,174,000	(1)
1910	11	696.61	12,629,400	75,490,735	22	724.36	19,106,613	26,374,075	(1)
1911	19	518.90	29,533,450	38,973,293	25	660.72	91,354,800	115,092,750	(1)
1912	26	373.58	20,410,700	11,133,800	18	267.18	14,197,300	10,685,250	(1)
1913	18	342.84	31,006,900	47,272,200	17	302.28	15,243,700	19,094,500	(1)
1914	10	362.39	35,562,550	19,050,460	11	181.26	26,239,700	44,094,241	(1)
1915	27	1,152.10	40,298,050	39,372,375	19	308.31	30,508,817	16,759,997	(1)
1916	15	359.26	14,476,600	10,849,200	19	430.14	13,895,400	22,702,300	(1)
1917	21	1,177.32	33,918,725	33,778,400	26	745.19	27,281,900	27,313,045	(1)
1918	29	2,017.61	92,130,388	163,257,102	23	524.22	37,740,325	20,149,384	(1)
1919	48	3,781.12	321,259,354	312,915,104	29	2,675.48	89,893,400	79,836,738	42,300
1920	19	1,065.31	28,758,455	72,283,575	13	259.90	7,782,400	11,227,328	52,000
1921	19	986.42	32,909,525	36,177,800	13	777.97	33,642,255	30,863,526	5,000
1922	14	695.43	18,140,150	20,304,400	13	322.88	7,491,500	12,640,600	114,683
1923	12	333.63	8,332,100	14,707,066	15	927.45	118,077,959	110,638,250	12,265,000
1924	12	1,021.88	28,489,700	35,716,000	14	869.25	21,022,800	34,845,535	3,440,388
1925	14	1,290.07	51,383,195	54,696,525	13	569.39	18,074,300	18,329,555	53,000
1926	16	1,228.28	17,769,435	117,560,073	28	1,291.17	20,054,700	57,340,363	214,000
1927	13	624.32	17,615,050	20,875,450	16	940.68	53,345,000	78,445,100	3,140,000

<sup>1</sup> Data not available.

Source: Annual Statistical Number, Electric Railway Journal.

## 21.—WATERWAYS, WATER TRAFFIC, AND SHIPPING

*General note as to units of measurement.*—"Cargo tonnage" represents weight of cargo in long tons (2,240 pounds) or short tons (2,000 pounds). All other tonnage figures refer to capacity of vessels. The terms gross and net tonnage refer to space measurement, 100 cubic feet being called 1 ton. Gross tonnage is the capacity of the entire space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, storage, passengers or crew, with certain minor exemptions. Net or registered tonnage is what remains after deducting from the gross tonnage the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship recorded as "entered with cargo" may bear little relation to actual weight of cargo. Dead-weight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety. Displacement tonnage (naval vessels) has reference to weight of the vessel itself with its normal equipment, fuel, etc.

### No. 438.—WATER-BORNE COMMERCE OF THE UNITED STATES

[NOTE.—All figures in thousands of short tons. Figures represent net tonnage; all known duplications are eliminated within each class and as between classes in the adjusted total]

Year	Atlantic, Gulf, and Pacific coasts		Great Lakes		Rivers, canals, connecting channels	Adjusted total, foreign and domestic
	Foreign	Domestic	Foreign	Domestic		
1923.....	82,999	180,600	14,600	110,858	153,700	478,000
1924.....	85,433	197,625	16,129	93,703	173,200	453,700
1925.....	92,043	209,917	16,504	113,644	204,569	483,400
1926.....	114,693	227,392	16,600	120,794	217,000	540,500

### No. 439.—GREAT LAKES, COMMERCE OF THE PRINCIPAL PORTS

[NOTE.—All figures in thousands of short tons. Foreign and domestic trade is included. A small amount not distinguished as to receipts or shipments is excluded]

Port	Receipts				Shipments			
	1923	1924	1925	1926	1923	1924	1925	1926
Total.....	114,904	96,249	119,814	122,188	120,455	104,265	119,827	127,384
Agate Bay, Minn.....	310	183	190	250	7,180	5,463	6,753	7,027
Alpena, Mich.....	153	202	227	229	832	961	1,168	1,372
Ashland, Wis.....	789	760	749	760	6,994	5,399	7,466	7,998
Ashtabula, Ohio.....	11,761	7,342	8,792	10,376	5,704	2,793	1,868	2,068
Buffalo, N. Y.: By lake.....	14,490	14,971	14,985	13,313	3,539	3,896	2,970	3,369
By canal.....	277	167	503	393	638	775	1,036	998
Calumet, Mich.....	59	43	93	67	7,608	6,856	8,413	9,041
Calumet, Ill.....	11,123	7,494	11,272	10,906	793	1,967	1,014	1,892
Chicago, Ill.....	1,079	1,063	1,651		902	575	488	
Cleveland, Ohio.....	11,481	8,633	11,426	11,993	2,975	1,951	666	761
Conneaut, Ohio.....	10,038	8,305	9,777	10,656	3,026	1,890	1,612	2,144
Detroit, Mich.....	2,977	2,846	4,019	4,042	230	127	197	279
Duluth-Superior.....	14,171	10,399	10,935	11,780	45,103	35,018	40,130	41,915
Erie, Pa.....	2,183	1,189	951	1,685	1,366	1,170	575	1,198
Escanaba, Mich.....	285	270	327	578	6,275	4,777	6,474	7,093
Fairport, Ohio.....	3,187	2,794	3,327	3,496	975	602	1,001	697
Frankfort, Mich.....	1	855	933	898	1	652	716	732
Gary, Ind.....	4,460	3,465	6,760	5,967	234	224	257	266
Green Bay, Wis.....	1,156	975	1,166	1,271				
Huron, Ohio.....	1,265	831	1,165	1,358	1,531	800	747	612
Indiana Harbor, Ind.....	3,389	3,344	3,956	4,646	752	851	1,332	798
Lorain, Ohio.....	4,431	3,862	5,259	4,731	3,848	2,282	1,581	2,104
Ludington, Mich.....	106	1,001	1,012	985	149	1,472	1,522	1,449
Manitowoc, Wis.....	331	1,291	1,440	1,422	19	727	765	734
Marquette, Mich.....	343	241	290	241	950	1,178	1,402	1,018
Marquette Bay, Mich.....	5,016	5,100	5,611	6,111	2,181	1,645	2,517	2,820
Milwaukee, Wis.....					569	1,377	1,297	1,426
Rouge River, Mich.....	1,459	2,067	2,946	3,163	3,117	25	64	36
Sandusky, Ohio.....	780	580	243	158		4,233	6,120	6,934
Toledo, Ohio.....	2,547	1,874	1,871	2,278	9,441	9,446	14,049	14,202
All other.....	5,255	6,082	7,937	8,436	3,519	5,140	5,626	6,403

Source of Tables 438 and 439: Annual Reports of the Chief of Engineers, United States Army.

## No. 440.—SAULT STE. MARIE CANALS: GENERAL TRAFFIC STATISTICS

[NOTE.—Includes both American and Canadian canals and traffic to and from Canadian as well as American ports. Average distances, ton-miles, freight charges, etc., are based on total haul from port of origin to port of destination in process of performance by vessels passing through the canals]

Season	Freight carried		Average distance freight was carried	Total ton-miles	Average freight charges per ton-mile	Freight charges	Valuation of freight	Proportion of freight carried by Canadian vessels
	Total	By steamers						
	1,000 short tons	1,000 short tons	Miles	Thousands	Mills	1,000 dollars	1,000 dollars	Per cent
1890.....	9,041	6,292	797.2	7,207,209	1.30	9,472	102,215	3.50
1895.....	15,053	10,581	830.0	12,502,549	1.14	14,239	159,575	3.75
1900.....	25,643	19,587	828.9	21,179,229	1.18	24,953	267,042	2.91
1905.....	44,271	37,725	833.3	38,892,798	.85	31,421	416,965	4.99
1907.....	58,217	52,937	828.3	48,221,466	.80	38,457	509,830	4.72
1908.....	41,391	38,145	842.0	34,853,548	.69	23,903	470,141	7.24
1909.....	57,895	53,450	809.0	45,812,929	.78	35,292	526,104	6.27
1910.....	62,363	58,040	840.0	52,405,535	.74	38,711	654,011	6.08
1911.....	53,477	49,580	826.0	44,173,813	.67	29,492	595,020	6.79
1912.....	72,473	68,008	831.0	60,242,833	.67	40,578	791,358	5.53
1913.....	79,718	75,174	820.0	65,330,717	.68	44,391	865,968	6.18
1914.....	55,370	52,063	832.8	46,112,252	.60	27,597	634,800	8.86
1915.....	71,200	67,099	832.0	59,316,744	.71	41,984	882,263	6.19
1916.....	91,868	87,109	824.0	75,717,398	.80	60,845	974,161	6.22
1917.....	89,614	85,566	820.0	73,634,550	1.21	89,277	1,196,922	5.71
1918.....	85,680	81,847	818.2	70,107,617	1.19	83,506	987,005	5.51
1919.....	68,236	65,683	815.0	55,611,010	1.05	58,479	914,514	7.03
1920.....	79,282	76,495	816.1	64,702,375	1.33	85,742	1,119,774	5.57
1921.....	48,259	47,913	788.3	38,042,833	1.14	43,344	746,134	11.00
1922.....	66,067	64,316	810.7	53,563,756	1.20	64,164	957,127	7.95
1923.....	91,380	88,211	801.3	73,218,218	1.10	80,843	1,026,045	8.30
1924.....	72,037	70,570	813.2	58,579,012	1.20	59,799	1,079,676	9.15
1925.....	81,875	79,528	800.9	65,577,430	1.06	71,099	1,117,817	7.46
1926.....	85,679	82,895	809.5	69,360,105	1.13	78,517	1,063,876	9.11
1927.....	83,354	81,339	808.4	67,387,157	1.03	69,331	1,131,553	8.71

## No. 441.—SAULT STE. MARIE CANALS: DETAILED STATISTICS

[NOTE.—See headnote to Table 440]

	1900	1916	1915	1920	1925	1926	1927
Date of opening canal.....	Apr. 19	Apr. 12	Apr. 13	Apr. 19	Apr. 8	Apr. 29	Apr. 12
Date of closing canal.....	Dec. 16	Dec. 15	Dec. 20	Dec. 28	Dec. 17	Dec. 17	Dec. 18
Passages, by all vessels.....	19,452	20,899	21,233	18,847	20,650	20,898	18,750
Steamers.....	14,426	17,674	17,699	16,336	18,718	18,949	17,096
Other registered vessels.....	4,004	1,890	1,884	1,354	1,091	1,324	973
Unregistered vessels.....	1,022	1,335	1,650	1,157	841	625	680
Registered tonnage (1,000 net tons) of vessels.....	22,316	49,856	56,399	58,194	69,240	71,291	64,325
Freight cargo (1,000 short tons).....	25,643	62,363	71,290	79,282	81,875	85,679	83,354
Passengers.....	58,555	66,933	50,336	68,451	56,956	52,704	55,115
FREIGHT							
In thousands of unit specified (000 omitted)							
Flour.....barrels.....	6,761	7,577	8,437	7,478	9,289	9,797	9,383
Wheat.....bushels.....	40,489	86,260	255,482	143,456	292,818	271,997	330,498
Other grain.....do.....	16,175	39,245	64,787	51,630	149,927	100,270	119,520
Lumber.....feet b. m.....	909,651	603,101	456,451	192,854	186,486	173,075	152,608
Copper.....tons <sup>1</sup> .....	131	148	156	52	63	59	67
Iron ore.....do.....	16,444	41,604	45,214	56,780	53,874	57,649	50,098
Manufactured and pig iron.....tons <sup>1</sup> .....	136	445	212	76	147	216	194
Coal.....do.....	4,487	13,514	13,357	14,156	12,874	14,439	17,108
Salt.....do.....	49	78	105	99	58	60	59
Oil.....do.....				353	223	253	257
Stone <sup>1</sup> .....do.....	49	10		563	667	582	658
General merchandise <sup>2</sup> .....do.....	541	1,412	1,596	556	707	718	803

<sup>1</sup> Short tons (2,000 pounds) <sup>2</sup> Prior to 1916 "General merchandise" included "oil" and "broken stone, sand, and gravel." Since that date the latter is included in "stone."

Source of Tables 440 and 441. Annual Report of the Chief of Engineers, United States Army.

**No. 442.—NEW YORK STATE CANALS: TONNAGE OF FREIGHT MOVED**

[NOTE.—All figures in short tons. Tonnage handled over State terminals but not moved through any portion of the canal channel is not included]

Yearly average	All canals	Erie division	Yearly average or year	All canals	Erie division			
					Total freight	Grain	Sand, gravel, stone	Petroleum
1837-1840.....	1,330,016	771,741	1901-1905.....	3,335,210	2,144,492			
1841-1845.....	1,613,317	884,522	1906-1910.....	3,238,129	2,206,595			
1846-1850.....	2,781,410	1,556,096	1911-1915.....	2,448,837	1,626,451			
1851-1855.....	3,976,501	2,141,476	1916-1920.....	1,348,365	798,708			
1856-1860.....	3,911,407	1,869,759	1921-1925.....	1,906,291	1,546,408	680,463	333,250	191,408
1861-1865.....	5,049,341	2,743,929	1926.....	1,421,434	891,221	112,821	327,633	64,174
1866-1870.....	5,967,724	3,018,359	1921.....	1,270,407	993,639	356,985	247,653	103,400
1871-1875.....	5,974,097	3,326,073	1922.....	1,873,434	1,485,109	550,831	337,656	164,176
1876-1880.....	5,219,888	3,542,020	1923.....	2,006,284	1,626,062	629,763	375,964	190,104
1881-1885.....	5,210,389	3,495,590	1924.....	2,032,317	1,691,786	698,246	365,266	237,018
1886-1890.....	5,291,441	3,589,631	1925.....	2,344,013	1,945,466	916,441	339,713	262,331
1891-1895.....	4,112,061	2,962,528	1926.....	2,369,367	1,935,278	795,598	287,189	263,202
1896-1900.....	3,544,951	2,448,065	1927.....	2,581,892	2,047,774	791,037	325,076	327,616

Source: Commissioner of Canals and Waterways, Department of Public Works, State of New York, Albany, N. Y.

**No. 443.—PRINCIPAL COMMODITIES CARRIED ON THE OHIO RIVER**

[NOTE.—In short tons. Ferry traffic is excluded. Totals include small items not shown separately]

Commodity	Total		Up		Down	
	1925	1926	1925	1926	1925	1926
Total.....	15,787,073	19,754,978	3,358,115	4,781,842	12,383,957	14,973,136
Animals and animal products.....	9,153	16,098	6,273	11,659	2,880	3,439
Livestock.....	5,459	6,407	3,681	3,796	1,778	2,621
Poultry and eggs.....	1,149	6,661	1,061	6,224	88	437
Hides and leather.....	95	168	53	33	42	135
Dairy products.....	432	786	364	651	68	135
Vegetable food products.....	43,948	57,479	31,355	33,223	12,493	24,257
Groceries.....	12,650	13,313	6,183	5,399	6,467	7,914
Sugar and molasses.....	943	919	799	677	144	242
Grains.....	23,203	31,066	19,555	18,704	2,648	12,382
Hay, feed, straw.....	4,299	4,781	3,296	2,513	994	2,268
Other vegetable products.....	1,717		441		1,276	
Textiles.....	4,498	3,318	2,619	1,896	1,880	1,510
Dry goods.....	4,498	2,906	2,612	1,395	1,886	1,510
Wood and paper.....	188,473	397,634	57,334	77,167	151,138	320,467
Furniture.....	2,021	2,806	1,161	1,711	860	1,094
Logs and lumber.....	52,628	142,048	27,978	69,130	24,650	72,918
Railroad ties of wood.....	133,738	252,731	8,143	6,296	125,595	246,435
Minerals, nonmetallic.....	14,632,678	16,518,099	2,998,657	4,478,915	11,630,019	14,087,184
Cement.....	20,582	29,980	18,600	20,308	1,992	9,672
Sand and gravel.....	6,854,477	8,997,515	2,199,852	3,683,642	4,654,625	5,113,873
Stone.....	551,432	436,073	519,507	400,403	31,925	35,570
Coal.....	6,527,917	8,355,478	221,666	124,834	6,306,251	8,230,644
Coke.....	397,217	353,229	3,564	3,279	393,653	354,950
Crude oil.....	174,491	236,522	5,368	1,832	169,123	234,690
Gasoline and kerosene.....	54,064	72,236	16,513	24,750	37,551	47,486
Other refined oils.....	42,743	9,197	8,628	3,815	34,115	5,382
Sulphur.....	1,600	10,002	1,600	10,002		
Metals, etc.....	339,638	638,065	116,387	99,809	421,251	441,276
Pig metal.....	124,063		39		124,044	
Scrap iron.....	92,879	210,960	92,211	75,181	608	135,829
Pipe.....	94,011		8,595		85,416	
Structural steel.....	118,698	327,125	6,345	21,678	112,353	305,447
Other iron and steel.....	73,120		7,274		66,146	
Machinery and vehicles.....	36,932	64,953	34,064	31,414	34,878	33,539
Machinery.....	13,747	6,996	6,087	1,643	7,660	5,353
Boats and barges.....	44,583	37,377	17,724	19,454	26,859	17,723
Autos and trucks.....	472	580	147	117	325	463
Chemicals.....	13,107		1,667	3,644	13,140	20,182
Acids.....	13,405	20,756	1,265	2,020	12,230	18,738
Fertilizers.....	1,597	3,068	702	1,624	895	1,444
Unclassified.....	347,091	158,488	182,085	58,199	114,996	100,299

<sup>1</sup> Unmanufactured iron and steel.

<sup>2</sup> Manufactured iron and steel.

Source: Annual Reports of the Chief of Engineers, United States Army.

No. 444.—OHIO RIVER TRAFFIC: TONNAGE, TON-MILEAGE, AND VALUE OF FREIGHT

[NOTE.—Figures exclude ferry traffic. In 1926 the tons of freight carried on ferries were reported as 2,311,959, but the hauls of course are very short. The passenger traffic other than on ferries for 1926 was: Passengers, 1,677,476; passenger miles, 24,106,375]

Year	Freight carried	Ton-miles	Value of freight	Year	Freight carried	Ton-miles	Value of freight
	<i>1,000 short tons</i>	<i>Thousands</i>	<i>1,000 dollars</i>		<i>1,000 short tons</i>	<i>Thousands</i>	<i>1,000 dollars</i>
1911.....	11,772		75,471	1923—Total...	8,281	(1)	110,022
1912.....	6,999		34,617	Up.....	1,670	(1)	40,567
1913.....	8,413		40,941	Down..	6,610	(1)	69,466
1914.....	7,589		38,069	1924—Total...	10,867	(1)	128,356
1915.....	7,346	1,095,423	50,906	Up.....	3,007	(1)	37,666
1916.....	6,045	598,383	38,774	Down..	7,859	(1)	90,690
1917.....	4,599	378,491	70,510	1925—Total..	15,737	825,497	151,622
1918.....	6,171	315,504	77,685	Up.....	3,353	77,673	49,208
1919.....	5,004	604,751	88,912	Down..	12,384	747,824	102,414
1920.....	9,382	1,183,915	223,443	1926—Total...	19,755	(1)	150,086
1921.....	7,308	844,895	93,275	Up.....	4,782	(1)	40,931
1922.....	6,292	807,793	144,796	Down..	14,973	(1)	109,155

<sup>1</sup> Not available.

No. 445.—LOWER MISSISSIPPI RIVER TRAFFIC: FREIGHT AND PASSENGERS

[NOTE.—Each section of the river is treated separately and some of the traffic of each is duplicated in others. The section "Between Ohio and Missouri Rivers" for 1921 and previous years was reported as "St. Louis to Cairo." Ferry traffic is not included]

Year	Between Ohio and Missouri Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans	
	Short tons	Passengers	Short tons	Passengers	Short tons	Passengers	Short tons	Passengers
1920.....	1,008,152	719,097	1,044,955	69,757	925,763	477,155	2,874,910	267,349
1921.....	1,104,150	494,924	902,823	124,485	1,629,747	102,930	7,323,335	222,338
1922.....	548,114	1,945,642	923,386	104,162	1,441,048	62,690	5,544,506	154,402
1923.....	723,068	2,689,258	1,048,322	159,224	1,452,837	13,748	5,493,297	204,685
1924.....	738,728	1,771,971	1,153,021	109,987	1,666,440	49,855	7,633,277	223,462
1925.....	1,003,569	533,484	1,688,654	68,092	3,212,259	60,534	9,101,650	214,615
1926.....	1,005,979	1,336,920	1,660,188	106,393	4,792,780	17,899	11,074,488	490,851
Short tons								
Commodity	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound	Down-bound	Up-bound
1925, total.....	583,323	420,246	1,037,652	651,002	1,821,025	1,391,234	7,738,396	1,363,254
Animals and products.....	2,612	3,061	18,791	7,905	4,040	12,533	4,906	38,209
Vegetable food products.....	202,149	87,148	357,041	145,108	353,275	234,133	466,063	265,219
Other vegetable products.....	3,328	947	3,832	3,042	8,819	2,953	62,046	3,870
Textiles.....	854	19,512	5,074	53,191	15,657	68,531	22,235	54,579
Wood and paper.....	25,196	73,823	255,913	161,998	507,903	112,963	196,810	87,011
Nonmetallic minerals.....	204,755	52,915	234,197	14,907	780,323	645,267	6,878,304	627,150
Ores, metals, and manufactures of.....	39,325	158,692	106,620	244,001	67,034	243,492	61,052	246,292
Machinery and vehicles.....	3,807	143	10,050	758	50,476	44,600	8,512	2,825
Chemicals.....	3,230	1,927	10,624	4,278	8,154	11,198	7,267	15,423
Unclassified.....	98,067	22,078	35,501	15,814	25,344	15,564	31,201	22,676
1926, total.....	585,600	420,379	927,459	732,729	3,627,638	1,165,142	9,612,163	1,462,325
Animals and products.....	9,784	9,493	609	3,636	609	3,703	517	4,559
Vegetable food products.....	225,078	113,492	196,903	221,211	191,922	302,727	201,488	335,676
Other vegetable products.....	790	758	644	1,832	13,590	1,995	13,567	2,863
Textiles.....	1,455	26,087	3,727	49,881	41,150	49,955	51,873	48,352
Wood and paper.....	15,147	42,588	87,639	155,229	377,240	59,088	209,864	118,437
Nonmetallic minerals.....	171,619	42,254	305,359	48,518	2,756,580	467,426	8,939,110	683,364
Ores, metals, and manufactures of.....	36,745	160,435	191,691	202,632	101,018	202,543	94,616	206,207
Machinery and vehicles.....	2,808	799	13,573	343	47,684	28,195	9,380	2,296
Chemicals.....	6,256	5,487	7,731	18,039	6,758	19,168	5,158	19,913
Unclassified.....	115,918	18,986	119,493	31,406	91,067	30,342	86,590	40,659

Source of Tables 444 and 445: Annual reports of the Chief of Engineers, United States Army.



No. 446.—UNITED STATES MERCHANT MARINE: DOCUMENTED TONNAGE

[NOTE.—For definition of "gross ton" see general note, p. 413. All data after 1840 are as of June 30]

Year	Number			Thousands of gross tons			Tonnage (thousands of gross tons) employed in—			
	Total	Sailing <sup>1</sup>	Steam and motor	Total	Sailing <sup>1</sup>	Steam and motor	Foreign trade	Coast-wise and internal trade	Whale fisheries	Cod and mack-erel fisheries
1789 <sup>2</sup>				202	202		124	69		9
1800 <sup>2</sup>				972	972		667	272	3	29
1810 <sup>2</sup>				1,425	1,425		981	405	4	35
1820 <sup>2,3</sup>				1,280	1,280		584	588	36	72
1830 <sup>2,3</sup>				1,192	1,127	64	538	517	40	98
1840 <sup>4</sup>				2,181	1,978	202	763	1,177	137	104
1850				3,535	3,010	526	1,440	1,798	146	152
1860				5,354	4,486	868	2,379	2,645	167	163
1870	28,998	25,474	3,524	4,247	3,171	1,075	1,449	2,638	68	91
1880	24,712	19,995	4,717	4,068	2,856	1,212	1,314	2,638	38	78
1890	23,467	17,502	5,965	4,424	2,565	1,859	928	3,409	19	68
1900	23,333	16,280	7,053	5,165	2,507	2,658	817	4,287	10	52
1910	25,740	13,288	12,452	7,508	2,608	4,900	783	6,669	9	47
1914	26,943	11,452	15,491	7,929	2,501	5,428	1,066	6,818	10	34
1915	26,701	10,753	15,948	8,389	2,446	5,944	1,863	6,486	9	32
1916	26,444	10,383	16,061	8,470	2,400	6,070	2,185	6,245	7	33
1917	26,397	10,155	16,242	8,871	2,438	6,433	2,441	6,393	6	32
1918	26,711	10,053	16,658	9,925	2,453	7,471	3,599	6,282	4	38
1919	27,513	9,862	17,651	12,907	2,492	10,416	6,665	6,201	4	36
1920	28,183	9,369	18,814	16,324	2,501	13,823	9,925	6,358	4	38
1921	28,012	8,941	19,071	18,282	2,537	15,745	11,077	7,163	4	37
1922	27,358	8,398	18,960	18,463	2,481	15,982	10,720	7,703	4	36
1923	27,017	8,071	18,946	18,285	2,463	15,821	9,069	9,177	4	35
1924	26,575	7,825	18,750	17,741	2,425	15,315	8,794	8,911	3	32
1925	26,367	7,730	18,637	17,406	2,430	14,976	8,151	9,216	4	35
1926	26,343	7,654	18,689	17,311	2,463	14,848	7,719	9,552	3	38
1927	25,778	7,394	18,384	16,888	2,381	14,507	7,309	9,533	8	38

Classes	Number					Thousands of gross tons				
	1900	1919	1920	1926	1927	1900	1910	1920	1926	1927
By utilization:										
Registered—										
Foreign trade	1,288	1,490	5,932	4,616	4,434	817	783	9,925	7,719	7,309
Whale fisheries	42	36	26	15	17	10	9	4	3	8
Enrolled—										
Coasting and in-ternal trade	13,241	13,654	12,181	12,654	12,559	4,196	6,555	6,233	9,433	9,417
Cod and mack-erel fisheries	545	395	196	199	198	44	39	32	31	31
Licensed—										
Coasting and in-ternal trade	7,327	9,328	9,463	8,549	8,268	91	114	124	119	116
Cod and mack-erel fisheries	890	837	385	310	302	8	8	6	7	7
By location:										
Atlantic and Gulf <sup>5</sup>	16,532	17,084	16,850	15,488	15,010	2,728	3,523	9,739	11,015	10,665
Pacific <sup>6</sup>	2,217	3,574	6,512	6,157	6,178	613	937	3,326	3,290	3,249
Northern lakes	3,167	3,273	3,091	2,626	2,560	1,566	2,895	3,139	2,844	2,806
Western rivers	1,417	1,809	1,730	2,072	2,030	258	154	120	161	168
By power:										
Sail	13,271	8,947	4,030	2,362	2,137	1,885	1,655	1,272	1,092	989
Steam <sup>7</sup>	7,053	12,452	8,103	7,273	6,881	2,658	4,900	13,466	14,318	13,874
Motor <sup>7</sup>			10,711	11,416	11,503			357	530	633
Canal boats	647	674	448	331	301	73	74	52	39	37
Barges	2,362	3,667	4,891	4,961	4,956	549	878	1,177	1,332	1,355
By material:										
Wood	22,108	23,527	23,781	21,291	20,761	3,572	3,391	3,876	2,838	2,728
Metal	1,225	2,213	4,402	5,052	5,017	1,593	4,117	12,448	14,473	14,160

<sup>1</sup>Including canal boats and barges. <sup>2</sup>Dec. 31.

<sup>3</sup>The decrease of tonnage arises principally from the registered tonnage having been corrected in 1818, 1829, and 1830 by striking off all vessels the registers of which were granted prior to 1815, which were supposed by the collectors to have been lost at sea, captured, etc.

<sup>4</sup>Sept. 30.

<sup>5</sup>Including Porto Rico in 1910, 1920, 1926 and 1927, and also Virgin Islands in 1920, 1926 and 1927.

<sup>6</sup>Including Hawaii and Alaska. <sup>7</sup>Motor vessels included in steam in 1900 and 1910.

Source: Reports of the Commissioner of Navigation.



### No. 447.—UNITED STATES MERCHANT MARINE: LARGER SEAGOING VESSELS, BY CLASSES AND SIZE, AS OF JULY 1

[NOTE.—For definition of "gross ton" see general note, p. 413. The number and tonnage reached their maximum in 1921.]

	Number					Thousands of gross tons				
	1919	1921	1924	1926	1927	1919	1921	1924	1926	1927
<b>Vessels of 500 gross tons or over, total</b> .....	2, 636	2, 729	2, 329	2, 062	2, 838	7, 755	12, 234	12, 535	11, 895	11, 378
Private ownership .....	1, 676	1, 925	1, 963	1, 995	1, 957	3, 928	5, 241	6, 245	6, 733	6, 836
Shipping Board <sup>1</sup> .....	962	1, 798	1, 339	1, 056	879	3, 827	7, 994	6, 290	5, 162	4, 540
Steam and gas .....		2, 888	2, 574	2, 388	2, 218		12, 216	11, 575	11, 030	10, 572
Sailing and unriggered .....		835	748	664	618		1, 019	960	865	804
Foreign trade .....		2, 559	1, 885	1, 552	1, 305		10, 631	8, 415	7, 129	6, 291
Coasting trade .....		1, 164	1, 437	1, 500	1, 531		2, 614	4, 120	4, 766	5, 095
Steel .....	1, 605	2, 549	2, 469	2, 365	2, 195	6, 808	11, 441	11, 357	11, 058	10, 597
Wood .....	1, 053	1, 174	853	687	641	1, 447	1, 793	1, 148	837	779
<b>Power vessels of 1,000 gross tons and over, total</b> .....	1, 739	2, 702	2, 401	2, 201	2, 116	6, 799	12, 115	11, 490	10, 940	10, 496
Steel .....	1, 436	2, 367	2, 310	2, 216	2, 055	6, 073	11, 210	11, 147	10, 637	10, 399
Wood .....	293	365	151	65	61	694	905	344	114	107
Passenger .....	206	228	197	196	196	887	1, 271	1, 214	1, 270	1, 270
Freight .....	1, 328	2, 145	1, 853	1, 694	1, 532	4, 822	8, 620	7, 817	7, 331	6, 989
Tank .....	179	351	396	375	372	982	2, 124	2, 377	2, 294	2, 262
Refrigerator .....	14	18	15	14	14	75	101	83	75	75
Steam engine .....		2, 697	2, 396	2, 215	2, 042		11, 984	11, 315	10, 734	10, 234
Oil burning .....		1, 595	1, 602	1, 668	1, 632		8, 240	8, 889	8, 643	8, 659
Coal burning .....		1, 102	708	627	410		3, 744	2, 426	1, 891	1, 584
Oil engine (internal-combustion) .....		55	86	86	74		132	175	216	262
<b>Size—gross tons.</b>										
1, 000 to 1, 999 .....	186	151	165	134	125	297	234	265	202	195
2, 000 to 2, 999 .....	652	879	630	526	425	1, 609	2, 209	1, 588	1, 296	1, 172
3, 000 to 3, 999 .....	221	362	306	272	230	754	1, 232	1, 053	927	762
4, 000 to 4, 999 .....	133	199	230	220	215	610	922	1, 074	1, 027	1, 006
5, 000 to 5, 999 .....	215	558	503	508	505	1, 192	3, 110	2, 824	2, 823	2, 806
6, 000 to 6, 999 .....	208	337	350	347	345	1, 325	2, 149	2, 220	2, 221	2, 207
7, 000 to 7, 999 .....	60	158	153	146	145	450	1, 164	1, 133	1, 073	1, 066
8, 000 to 8, 999 .....	26	54	58	59	57	217	451	485	493	477
9, 000 to 9, 999 .....	3	10	23	27	27	28	96	220	259	259
10, 000 and over .....	25	44	43	42	42	284	548	629	626	627

<sup>1</sup> One thousand gross tons or over; the Shipping Board fleet is almost wholly of such vessels.

<sup>2</sup> Includes 7 vessels of 15,995 gross tons, propelled by electrically driven screws.

### No. 448.—VESSELS BUILT IN THE UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS: YEARS ENDED JUNE 30

Yearly average or year	Number	Gross tons	Year	Number	Gross tons
1797-1800		72, 574	1909	1, 247	232, 090
1801-1810		102, 452	1910	1, 361	342, 068
1811-1820		89, 797	1911	1, 422	291, 162
1821-1830	790	89, 372	1912	1, 505	232, 699
1831-1840	924	119, 960	1913	1, 475	346, 155
1841-1850	1, 105	185, 309	1914	1, 51	316, 250
1851-1860	1, 464	366, 643	1915	1, 157	225, 122
1861-1870	1, 654	299, 002	1916	917	325, 413
1871-1880	1, 457	253, 800	1917	1, 297	664, 479
1881-1890	1, 056	230, 197	1918	1, 528	1, 300, 808
1891-1900	1, 055	235, 699	1919	1, 953	3, 326, 621
1901-1910	1, 311	419, 78	1920	2, 067	3, 880, 639
1911-1920	1, 444	1, 099, 936	1921	2, 361	2, 265, 115
1903	1, 311	436, 152	1922	845	641, 232
1904	1, 184	378, 642	1923	70	335, 630
1905	1, 102	330, 316	1924	1, 049	223, 908
1906	1, 221	418, 745	1925	967	199, 846
1907	1, 157	471, 332	1926	924	224, 673
1908	1, 457	614, 216	1927	917	245, 144

<sup>1</sup> Nine-year average, there being no record of the tonnage for 1802.

Source of Tables 447 and 448: Reports of the Commissioner of Navigation.

**No. 449.—VESSELS BUILT IN UNITED STATES: BY CLASSES AND REGIONS**

[NOTE.—For definition of "gross ton" see general note p. 413. Data are for years ended June 30]

Class and where built	1901- 1910, average	1911- 1915, average	1916- 1920, average	1921- 1925, average	1924	1925	1926	1927
Total.....number.....	1,311	1,348	1,556	996	1,049	967	934	917
Gross tons.....	419,178	323,979	1,000,004	737,190	333,900	199,546	234,673	245,144
Sailing.....number.....	300	70	82	38	15	28	11	8
Gross tons.....	52,857	16,339	70,509	27,685	914	2,869	263	326
Steam and gas.....number.....	681	911	1,111	697	673	679	645	661
Gross tons.....	287,593	200,660	1,734,296	639,341	145,493	141,063	140,586	181,504
Canal boats.....number.....	46	36	19	9	3	2	7	10
Gross tons.....	5,022	4,099	2,613	1,043	375	270	1,508	2,147
Barges.....number.....	284	325	344	254	368	258	261	238
Gross tons.....	65,705	61,164	92,096	69,121	77,186	55,654	82,316	61,167
Metal.....gross tons.....	270,852	181,168	1,511,043	631,109	136,132	128,693	132,646	179,756
Wood.....do.....	147,326	101,106	388,561	106,081	87,836	74,153	92,027	65,388
Gross tons built on:								
New England coast.....	59,491	21,474	112,835	45,913	3,174	5,615	4,905	6,574
Middle Atlantic and Gulf coasts.....	180,226	149,941	533,438	442,721	106,414	76,784	131,994	124,068
Pacific coast.....	34,482	34,430	887,076	174,926	36,249	41,534	22,609	45,542
Northern lakes.....	184,724	69,794	260,138	58,317	50,223	66,067	55,169	53,746
Western rivers.....	2,266	6,623	6,117	15,813	27,906	9,836	9,846	16,191

**VESSELS BUILT FOR FOREIGNERS<sup>1</sup>**

	1917	1918	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1927
Number.....	1	1	2	5	36	41	22	59	23	33	10	4	7	9
Gross tons.....	8	12	414	275	2,949	124,500	48,531	121,096	29,507	65,938	55,991	17,408	273	610

<sup>1</sup> None built for foreigners in 1912, 1924, and 1925.

Source: Reports of the Commissioner of Navigation.

**No. 450.—MERCHANT VESSELS LAUNCHED: WORLD TOTAL AND LEADING COUNTRIES**

[NOTE.—Vessels of 100 gross tons and over. For definition of "gross ton" see general note, p. 413. Vessels under construction Dec. 31, 1926, numbered 476 of 1,929,027 gross tons]

Calendar year	Total		Steam and motor		Sail and barge	
	Number	Gross tons	Number	Gross tons	Number	Gross tons
World total						
1910-1914, average.....	1,533	2,739,079	1,180	2,631,779	353	107,300
1915-1920, average <sup>1</sup> .....	1,489	4,046,860	1,296	3,918,746	192	128,114
1921-1925, average.....	942	2,578,620	830	2,531,392	112	47,228
1918 <sup>1</sup> .....	1,668	5,447,444	1,097	5,341,190	169	106,245
1919 <sup>1</sup> .....	2,483	7,144,549	2,005	6,788,632	388	355,917
1920 <sup>1</sup> .....	1,769	5,861,666	1,563	5,742,964	196	118,682
1921.....	1,377	4,341,679	1,205	4,274,375	172	67,304
1922.....	852	2,467,084	746	2,425,729	107	41,355
1923.....	701	1,643,161	620	1,614,790	81	28,391
1924.....	924	2,247,751	838	2,200,741	86	47,010
1925.....	853	2,193,404	742	2,142,325	111	61,079
1926.....	600	1,674,977	525	1,630,124	75	44,843

Gross tons, all classes				Gross tons, all classes			
Country	1924	1925	1926	Country	1924	1925	1926
United States	140,063	128,776	150,613	Italy	82,526	142,046	220,021
United Kingdom	1,439,885	1,084,633	639,568	Japan	72,757	55,784	52,406
British Dominions	44,879	46,078	33,678	Netherlands	63,627	78,823	93,671
Belgium	3,997	4,206	3,827	Norway	25,139	28,805	9,237
China	1,850	1,692	2,150	Russia			16,520
Danzig	18,839	11,674		Spain	3,869	127	26,671
Denmark	63,637	73,268	72,106	Sweden	31,311	53,750	53,515
France	79,685	75,569	121,342	Other countries	984	1,799	308
Germany	175,113	406,374	180,548				

<sup>1</sup> Figures during the war period shown only for allied and neutral countries.

Source: Lloyd's Register of Shipping.

## No. 451.—MERCHANT MARINE OF THE WORLD AND PRINCIPAL COUNTRIES

[NOTE.—Vessels of 100 tons and over. Prior to 1919 tonnage figures are gross for steamers and net for sailing vessels, thereafter gross for both. Wooden vessels on the Great Lakes and vessels on the Caspian Sea are not included. Japanese sailing vessels in all years and most sailing vessels belonging to Greece, Turkey, and southern Russia, 1919 to 1927, are not included. Figures for Philippine Islands included with United States beginning with 1910. See general note, p. 413.]

	Thousands of tons (see headnote)										
	World total	United Kingdom	United States	Japanese	French	German	Italian	Dutch	Norwegian	Swedish	Spanish
1906	25,108	12,118	2,168	280	1,005	1,887	779	447	1,659	498	554
1907	26,044	13,241	2,750	488	1,351	2,650	984	530	1,641	637	685
1908	30,001	13,803	3,996	871	1,728	3,565	1,189	702	1,776	904	732
1910	41,915	17,316	5,059	1,147	1,882	4,333	1,321	1,015	2,015	918	785
1915	49,262	19,541	5,893	1,828	2,286	4,708	1,737	1,523	2,529	1,123	809
1920	57,314	18,330	16,049	2,998	3,245	673	2,242	1,793	2,219	1,073	997
1922	64,371	19,296	17,062	3,587	3,846	1,887	2,866	2,633	2,601	1,116	1,263
1923	65,168	19,282	16,945	3,604	3,737	2,590	3,034	2,626	2,552	1,208	1,290
1924	64,024	19,106	15,957	3,843	3,498	2,954	2,832	2,556	2,505	1,255	1,240
1925	64,641	19,441	15,377	3,920	3,512	3,074	3,029	2,601	2,681	1,301	1,185
1926	64,784	19,400	14,879	3,968	3,491	3,111	3,241	2,566	2,842	1,338	1,163
1927	65,193	19,309	14,670	4,033	3,470	3,303	3,483	2,654	2,824	1,365	1,161

	Number					Thousands of tons (see headnote)						
	1906	1910	1920	1925	1927	1906	1910	1914	1920	1925	1927	
World total	35,433	36,058	51,596	53,816	52,175	25,044	41,915	49,090	57,314	64,641	65,193	
Steam and motor, total	15,898	22,008	26,513	29,205	28,967	22,369	37,291	45,404	53,906	62,340	63,267	
Steel and iron	14,548	20,403	23,382	26,468	26,474	21,915	36,769	44,934	51,661	61,317	62,439	
Wood and composite	1,350	1,605	3,131	2,737	2,493	484	521	470	2,244	1,023	828	
Oil burners steam <sup>1</sup>			1,731	5,214	3,373			1,688	8,546	17,216	17,980	
Oil engines <sup>1</sup>			890	608	881			194	693	2,167	3,674	
Sailing, total	12,534	8,050	5,082	3,711	3,208	6,674	4,624	3,686	3,409	2,261	1,926	
Steel and iron	2,468	2,115	1,314	919	808	2,992	2,508	2,095	1,624	954	793	
Wood and composite	10,066	5,935	3,768	2,792	2,400	3,683	2,116	1,590	1,885	1,307	1,133	
Tankers <sup>1</sup>			673	1,072	1,166			1,441	3,068	6,511	5,790	
United States, total	3,135	3,469	5,457	4,882	4,503	2,750	5,059	5,368	16,049	15,377	14,670	
Steam and motor	932	1,712	4,110	3,921	3,674	1,455	3,827	4,330	14,574	14,272	13,691	
Sailing	2,203	1,757	1,347	961	829	1,295	1,232	1,038	1,475	1,006	979	
Steel and iron	731	1,409	3,396	3,504	3,279	1,417	3,848	4,355	13,645	14,205	13,665	
Wood and composite	2,404	2,060	2,061	1,378	1,224	1,304	1,212	1,013	2,404	1,173	1,006	
British, total	10,838	11,495	10,831	10,989	10,657	14,261	16,012	21,048	30,583	22,222	22,174	
Steam and motor	7,930	9,837	9,779	10,068	9,785	12,149	18,059	20,524	29,143	21,906	21,878	
Sailing	2,908	1,658	1,052	921	870	2,112	953	521	440	314	296	
Steel and iron	8,760	9,195	9,586	9,538	9,636	13,687	18,675	20,793	29,205	21,920	21,913	
Wood and composite	2,078	1,500	1,245	1,163	1,020	574	338	252	378	303	261	
United Kingdom	8,914	9,417	8,561	8,559	8,216	13,241	17,516	19,257	18,330	19,441	19,309	
Other British	1,924	2,078	2,270	2,430	2,439	1,020	1,496	1,791	2,252	2,781	2,665	
French, total	1,214	1,495	1,758	1,828	1,752	1,351	1,882	2,319	3,245	3,512	3,470	
Steam and motor	682	876	1,400	1,527	1,525	1,052	1,448	1,922	2,963	3,320	3,362	
Sailing	532	590	358	301	227	298	434	397	282	192	108	
German total	1,710	2,478	1,138	2,028	1,990	2,650	4,333	5,459	673	3,074	3,363	
Steam and motor	1,209	1,822	901	1,947	1,951	2,160	3,959	5,135	419	3,006	3,320	
Sailing	501	356	237	81	39	490	374	325	253	67	43	
Argentine	201	267	196	226	267	88	163	223	150	223	262	
Austro-Hungarian	270	369				416	779	1,056				
Belgian	117	155	213	240	234	163	309	352	415	543	499	
Brazilian	332	363	400	374	376	163	252	324	498	466	525	
Chilean	127	139	112	144	128	111	151	126	104	186	162	
Chinese	49	68	102	178	219	66	90	93	143	270	328	
Danish	802	863	745	772	748	519	737	820	803	1,040	1,060	
Dutch	406	628	987	1,099	1,156	580	1,015	1,496	1,793	2,601	2,654	
Finnish				324	342					211	241	
Greek	369	408	406	459	484	245	528	837	530	898	1,029	
Italian	1,176	1,066	1,115	1,353	1,429	984	1,321	1,668	2,242	3,029	3,483	
Japanese <sup>2</sup>	484	846	1,940	2,087	2,035	488	1,147	1,708	2,996	3,920	4,033	
Norwegian	2,380	2,065	1,777	1,865	1,805	1,641	2,015	2,506	2,219	2,681	2,824	
Portuguese	204	190	249	284	282	111	110	121	276	300	259	
Russian	1,246	1,241	613	377	346	721	887	1,054	535	322	309	
Spanish	597	579	749	930	885	693	765	899	997	1,185	1,161	
Swedish	1,433	1,472	1,297	1,389	1,371	637	918	1,118	1,073	1,301	1,365	
Yugoslavian				129	144					168	240	

<sup>1</sup> 500 gross tons and over, figures are included in preceding totals.

<sup>2</sup> Excluding sailing vessels.

Source: Lloyd's Registers.

**No. 452.—VESSELS CONTROLLED BY THE UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: As of DECEMBER 31**

[NOTE.—For definition of dead-weight tons see general note p. 413. No tonnage shown on tugs]

	1922		1923			1923		1924	
	Dead-weight tons	Number	Dead-weight tons	Number		Dead-weight tons	Number	Dead-weight tons	Number
<b>Grand total</b> .....	2,185,459	844	2,692,009		<b>Active steel</b> .....	3,362,578	330	3,075,900	
<b>ORIGIN</b>					Cargo	2,875,947	326	2,871,075	
Requisitioned steel.....	1,461,634	135	1,130,666		Cargo and passenger	278,734	11	117,100	
Contract steel.....	7,280,775	650	5,295,379		Refrigerator	9,737			
Contract wood.....	11,370	8			Coolie carrier and cargo	4,000			
Contract concrete.....	51,783	1	7,500		Tankers	104,158	9	87,815	
Purchased.....	158,846	16	128,962		Tugs		4		
Seized enemy.....	215,144	9	99,496		<b>Temporarily inactive steel</b> .....	204,847			
Vessels acquired from other Government departments.....	5,900	5			Cargo	147,613			
<b>CLASS</b>					Cargo and passenger	25,082			
<b>Steel</b> .....	2,112,909	844	2,654,502		Refrigerator	8,700			
Cargo (completed).....	2,140,521	790	2,230,974		Tankers	25,452			
Cargo (uncompleted).....	9,400	1	9,400		<b>Active wood and composite</b> .....	2,400	7		
Coolie carriers.....	4,000				<b>Inactive steel</b> .....	2,580,470	464	2,579,412	
Cargo and passenger.....	431,769	14	145,100		Cargo	2,126,861	465	3,369,209	
Tankers.....	395,056	20	168,106		Cargo and passenger	127,962	3	28,000	
Refrigerators.....	100,920	14	100,920		Refrigerators	82,433	14	100,920	
Transports.....	38,235				U. S. Army transports	38,235			
Tugs.....		5			Tankers	175,445	11	80,208	
<b>Wood and composite</b> .....	12,770	8			Tugs		1		
<b>Concrete</b> .....	51,783	1	7,500		<b>Inactive concrete</b> .....	51,783	1	7,500	
					<b>Inactive wood and composite</b> .....	11,570	2		

Source: United States Shipping Board

**No. 453.—SHIPPING BOARD VESSELS SOLD: By Type**

[NOTE.—Data for 1921 are: Grand total, 50 vessels of 264,125 dead-weight tons, 20 steel vessels of 187,875 dead-weight tons, 30 wood vessels of 96,250 dead-weight tons]

Type	1921		1922		1923		1924		1925		1926	
	Number	Dead-weight tons <sup>1</sup>	Number	Dead-weight tons <sup>1</sup>	Number	Dead-weight tons <sup>1</sup>	Number	Dead-weight tons <sup>1</sup>	Number	Dead-weight tons <sup>1</sup>	Number	Dead-weight tons <sup>1</sup>
<b>Grand total</b> .....	363	1,510,878	112	728,721	40	245,396	147	768,142	278	1,415,630		
<b>Steel vessels</b> .....	104	582,949	106	705,106	46	328,224	141	747,474	275	1,415,630		
Cargo.....	72	426,906	45	256,153	22	122,980	107	545,198	258	1,250,156		
Passenger.....	5	29,354	3	32,434	12	136,510	8	91,999	8	90,825		
Tankers.....	6	51,000	38	358,474	4	40,102	9	84,627	6	53,500		
Coasters.....	2	10,972										
Coolie carriers.....			2	7,395			1	4,000				
Transports.....	1	11,000			1	3,500						
Sailers.....	2	5,847										
Tugs.....	5		11		4		14					
Barges.....	4	7,200										
Wrecks.....	1	9,493	1	9,419	1	7,825						
For conversion to Diesel.....												
Cargo.....	6	30,469	3	20,725			1	11,679				
Tankers.....			2	20,506	2	17,807	1	9,971	3	21,055		
<b>Concrete vessels</b> .....	1	7,500	1	3,078	3	17,178	2	9,898				
Cargo.....			1	3,078			1	3,000				
Tankers.....	1	7,500			2	13,672	1	6,298				
Wrecks.....					1	3,500						
<b>Composite vessels: Cargo</b> .....	16	35,806	1	3,575			1	3,500				
<b>Wood vessels</b> .....	247	885,397	2	18,980			3	7,870	3			
Cargo.....	240	881,577	4	12,024			2	7,870				
Tugs.....	6						1		3			
Barges.....	1	3,750										
Wrecks.....			1	4,929								

<sup>1</sup> See general note, p. 413. No tonnage shown on tugs.

Source: United States Shipping Board.

**No. 454.—UNITED STATES SHIPPING BOARD AND UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: NET APPROPRIATIONS AND ALLOTMENTS FROM INCEPTION TO JULY 1, 1927**

For fiscal years ended prior to July 1, 1925.....	\$3, 622, 991, 173
United States Shipping Board—Acts of Sept. 7, 1916; June 12, 1917; July 1, 1918; July 19, 1919; June 5, 1920; March 4, 1921; June 15, 1921; June 12, 1922; February 13, 1923, and June 7, 1924.....	3, 886, 168
United States Shipping Board Emergency Fleet Corporation.....	3, 519, 106, 006
Act of Sept. 7, 1916, permanent fund.....	50, 000, 000
Acts from June 15, 1917, to June 12, 1922, emergency shipping fund.....	3, 325, 863, 502
Acts of Feb. 13, 1923, and June 7, 1924, current maintenance and operations.....	80, 000, 000
Act of June 12, 1922, claims, damage charges, and miscellaneous adjustments.....	38, 254, 185
Acts of Apr. 17, 1917, and July 1, 1918, national security and defense (presidential allotments).....	24, 948, 319
For fiscal year ended June 30, 1926.....	24, 330, 000
United States Shipping Board.....	330, 000
Act of Mar. 3, 1925—	
Seven commissioners.....	84, 000
Printing and binding.....	5, 000
All other expenses.....	236, 000
United States Shipping Board Emergency Fleet Corporation—Act of Mar. 3, 1925, current maintenance and operations.....	24, 000, 000
For fiscal year ending June 30, 1927.....	24, 198, 574
United States Shipping Board.....	298, 574
Act of Apr. 22, 1926—	
Seven commissioners.....	84, 000
Printing and binding.....	5, 000
All other expenses.....	308, 574
United States Shipping Board Emergency Fleet Corporation.....	23, 900, 000
Act of Apr. 22, 1926—	
Current maintenance and operations.....	13, 900, 000
Operation of trade lines, ex-purchasers (expenditures on approval of President of the United States).....	10, 000, 000
Net appropriations and allotments.....	3, 571, 619, 746

Source: United States Shipping Board.

**No. 455.—UNITED STATES SHIPPING BOARD AND UNITED STATES SHIPPING BOARD EMERGENCY FLEET CORPORATION: STATEMENT OF PROFIT AND LOSS (EXCLUDING LIQUIDATION), FISCAL YEAR 1926**

[All money figures in thousands of dollars]

Class of vessel	Number of termina- tions	Cargo ton- nage and pas- sen- gers	Esti- mated voy- age revenue	Operating costs							Profit or loss
				Esti- mated voy- age ex- pense	Ad- just- ment	Insur- ance	Re- pairs	Ad- ver- tis- ing	Ad- min- istra- tive ex- pense	Total ex- pense	
Freighters .....	1, 031	17, 887	53, 630	57, 527	1, 360	3, 080	3, 944	160	3, 064	69, 151	15, 581
Passenger and cargo (ex- cluding United States lines), passenger .....	45	{ 27 1, 560	9, 232	7, 703	271	287	642	139	227	9, 208	157
United States lines, pas- senger .....	57	{ 181 1, 213	15, 940	15, 191	168	418	1, 277	300	120	17, 437	1, 487
Tankers .....	92	{ 1, 036	2, 407	1, 310	22	145	155		50	1, 662	385
Total ocean opera- tions .....	1, 215	{ 106 19, 597	80, 870	81, 730	1, 584	3, 940	5, 018	605	3, 861	97, 538	16, 609
Tugs .....	43		130	108		5	10		1	21	7
Chartered vessels .....			39			27			12	40	(1)
Total vessel opera- tions .....	1, 258	{ 106 19, 597	81, 039	81, 838	1, 584	3, 972	5, 028	605	3, 874	97, 701	16, 683
Expense of inactive ves- sels .....											3, 844
Miscellaneous income, net .....											800
Profit or loss .....											19, 607

<sup>1</sup> Unit is 1,000 passengers

<sup>2</sup> Unit is 1,000 tons.

<sup>3</sup> Losses.

<sup>4</sup> Less than \$500.

Source: United States Shipping Board

### No. 456.—MARINE WRECKS AND CASUALTIES OCCURRING TO VESSELS OF THE UNITED STATES: BY REGIONS

[NOTE.—It appears that prior to 1915 the figures include disasters to foreign vessels on and near the coasts of the United States, reports of which were received in isolated instances. Casualties to vessels of the United States in Panama Canal Zone were as follows: 1927, tonnage, 80,223; property involved, \$4,972,833; property lost, \$61,800; persons on board, 903; lives lost, 5. 1926, tonnage, 23,271; property involved, \$3,815,221; property lost, \$31,500; persons on board, 154. These and corresponding figures for previous years are not included in the recapitulation or elsewhere.]

Year ended June 30—	Number of vessels	Wrecks involving total loss	Casualties involving partial and unknown damage	Vessels totally lost	Vessels damaged	Losses to vessels	Losses to cargoes	Passengers	Crews	Lives lost
TOTAL										
1910..	1,493	365	1,128	Tons 125,305	Tons 2,000,997	Dollars 11,058,840	Dollars 2,585,580	Number 15,484	Number 22,640	408
1911....	1,227	294	933	101,365	1,476,688	9,565,995	1,694,630	22,484	21,665	282
1912....	1,447	328	1,119	113,920	1,546,391	8,213,375	1,941,010	15,972	24,310	196
1913....	1,265	274	991	91,188	1,663,623	8,338,935	1,549,285	21,101	23,077	289
1914....	1,210	298	917	173,069	1,518,980	11,437,330	2,509,405	14,333	22,199	421
1915....	1,068	299	799	151,956	1,276,125	10,199,560	4,013,083	12,857	20,220	277
1916....	1,140	317	823	135,233	1,714,434	12,671,040	3,668,995	14,080	20,653	1,364
1917....	1,072	324	748	197,119	1,523,807	33,708,710	12,479,600	8,233	21,418	490
1918....	978	380	506	248,520	1,000,956	57,728,110	22,557,940	6,911	16,207	308
1919....	738	308	435	163,168	1,016,590	38,139,060	12,698,145	5,722	14,289	462
1920....	1,074	285	789	214,531	2,088,534	54,855,480	17,612,455	14,499	26,100	551
1921....	777	222	555	122,397	1,434,848	28,662,730	6,269,295	7,081	16,005	206
1922....	907	277	630	131,027	1,762,412	18,727,614	3,975,714	8,989	19,065	227
1923....	980	273	707	117,099	1,941,349	17,202,806	3,710,959	14,144	21,198	116
1924....	945	237	708	96,474	1,917,058	14,201,211	3,802,792	8,861	20,265	203
1925....	980	255	725	98,225	1,965,864	15,177,361	4,113,565	11,958	22,771	190
1926....	982	264	728	93,539	2,018,068	15,596,857	4,324,475	12,331	21,970	236
1927....	1,233	300	933	118,337	2,797,707	18,704,083	5,314,693	10,493	27,635	222

#### ATLANTIC, GULF, AND PACIFIC COASTS OF THE UNITED STATES

1921....	375	110	266	30,418	476,433	10,506,725	1,553,065	5,418	6,641	77
1922....	515	171	344	78,552	732,679	9,200,909	1,800,663	4,289	9,355	148
1923....	559	161	398	66,080	815,236	9,527,801	1,976,673	8,722	10,176	77
1924....	564	143	421	56,133	982,448	7,010,156	1,662,101	4,259	11,020	94
1925....	677	187	420	51,907	1,001,113	8,087,596	2,791,413	7,390	12,343	98
1926....	584	163	421	50,143	1,017,968	10,864,020	2,056,283	8,244	12,236	145
1927....	685	175	510	62,502	1,303,448	10,239,557	1,626,694	5,629	13,602	126

#### GREAT LAKES

1921....	144	16	128	13,296	525,821	1,694,280	154,025	574	3,798	44
1922....	120	19	101	9,529	422,357	1,816,068	95,000	407	2,325	16
1923....	154	33	121	17,125	512,081	2,856,072	379,492	3,300	3,733	9
1924....	72	15	57	5,425	185,881	902,300	232,444	1,441	1,569	16
1925....	67	16	52	11,065	126,822	2,200,266	117,900	1,734	1,496	39
1926....	91	18	73	4,177	216,938	1,365,509	119,937	1,513	1,792	17
1927....	129	20	109	17,328	409,264	2,823,077	197,216	927	3,286	5

#### RIVERS OF THE UNITED STATES

1921....	95	35	60	7,749	96,969	2,652,006	91,915	537	1,428	11
1922....	114	47	67	5,621	135,670	1,190,660	98,820	1,082	1,524	6
1923....	130	45	85	5,542	145,792	1,408,423	154,246	298	1,767	9
1924....	147	51	96	8,601	163,907	1,584,210	62,861	1,251	1,903	13
1925....	171	49	122	5,636	266,886	2,287,872	235,432	991	2,704	21
1926....	157	49	108	3,581	269,822	1,542,037	32,226	1,422	2,873	8
1927....	204	68	136	7,285	314,306	1,994,354	158,096	1,152	3,217	24

#### AT SEA AND ON THE COASTS OF FOREIGN COUNTRIES

1921....	163	61	102	61,994	335,665	13,810,720	4,490,300	562	4,138	74
1922....	158	40	118	37,326	461,706	6,519,157	2,291,231	3,211	5,851	57
1923....	137	34	103	26,343	468,240	3,411,510	1,200,650	1,884	5,539	21
1924....	102	28	124	26,315	584,822	4,704,545	1,845,386	1,910	5,673	79
1925....	165	34	121	27,618	601,084	3,702,148	978,730	1,943	6,286	48
1926....	150	24	126	26,638	521,340	2,325,291	2,115,960	1,182	5,089	66
1927....	215	37	178	31,222	780,090	3,647,045	3,332,699	2,785	7,530	66

Source: Reports of the United States Coast Guard, Treasury Department.

**No. 457.—LIVES LOST BY ACCIDENT ON VESSELS SUBJECT TO UNITED STATES STEAMBOAT INSPECTION SERVICE: YEARS ENDED JUNE 30**

Cause	1922	1923	1924	1925	1926	1927		
						Total	Passengers	Crew
Total.....	246	247	297	316	290	202	48	214
Stranding.....			4	1		1		1
Fire.....	8	7	8	31	8	6	1	5
Collision.....	8	20	9	3	4	8	1	7
Wreck.....			22		11	1		1
Explosion, escape of steam, etc.....	12	10	10	9	97	12		13
Foundered in storm.....	11	5	38	43	4	12		12
Sinking.....	52	14	19	8	52	22		22
Accidental drowning.....	87	94	107	160	89	104	16	68
Suicide.....	34	39	31	36	36	34	24	10
Miscellaneous.....	57	58	49	29	67	61	6	55

**No. 458.—UNITED STATES COAST GUARD: YEARS ENDED JUNE 30**

Item	1926	1927	Item	1926	1927
Lives saved or persons rescued from peril.....	2,037	2,312	Instances of lives saved and vessels assisted.....	2,240	2,791
Persons on board vessels assisted.....	15,398	14,496	Instances of miscellaneous assistance.....	2,591	2,717
Persons in distress cared for.....	490	899	Derelicts and other obstructions to navigation removed or destroyed.....	101	136
Vessels boarded and papers examined.....	52,080	68,225	Value of vessels assisted (including cargoes).....	\$22,017,509	\$27,801,357
Vessels seized or reported for violations of law.....	1,887	1,788	Expended and obligated for maintenance.....	\$20,215,576	\$22,258,002
Fines and penalties incurred by vessels reported.....	\$743,625	\$375,000			

**No. 459.—EXPENSES AND REVENUES OF THE PANAMA CANAL**

Year ended June 30—	Transit operations					Business operations		
	Tolls	Taxes, licenses, fees, fines, postal receipts, etc. <sup>1</sup>	Total transit revenues <sup>1</sup>	Net canal transit expenses	Net revenues <sup>1</sup>	Business revenues	Business expenses	Net revenues <sup>1</sup>
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1914.....	14,619		14,619	166,031	<sup>2</sup> 151,412	690,296	695,721	<sup>3</sup> 5,428
1915.....	4,343,384		4,343,384	4,123,128	220,256	2,135,075	2,191,476	<sup>3</sup> 56,401
1916.....	2,399,830	158,712	2,558,542	6,909,750	<sup>2</sup> 4,441,208	6,488,522	6,476,623	11,896
1917.....	5,631,782	175,617	5,808,399	6,788,048	<sup>2</sup> 979,849	7,579,588	7,840,161	39,428
1918.....	6,264,766	147,078	6,411,843	5,920,343	491,500	10,324,072	10,317,912	6,160
1919.....	6,156,119	197,898	6,354,017	6,112,165	241,852	13,694,881	13,623,854	71,027
1920.....	8,493,063	442,789	8,935,852	6,548,272	2,387,580	14,705,372	14,465,686	239,686
1921.....	11,261,919	778,197	12,040,116	9,328,800	2,711,317	15,232,317	14,666,106	566,211
Total.....	44,565,501	1,601,291	46,166,792	45,986,067	480,725 <sup>1</sup>	70,840,125	69,979,538	860,587
Adjusted and transferred to 1921.....	44,565,501	1,420,566	45,986,067	45,986,067		71,459,710	70,359,400	1,100,310
1922.....	11,501,393	92,209	11,593,602	7,919,018	3,674,584	7,747,228	7,423,608	323,620
1923.....	17,501,631	184,214	17,685,845	7,990,778	10,001,067	10,872,843	9,732,201	1,140,642
1924.....	24,589,003	392,251	24,981,254	8,373,905	16,607,349	12,968,777	12,067,153	901,624
1925.....	21,374,664	207,954	21,582,618	8,116,693	13,465,925	14,564,115	13,798,198	765,917
1926.....	22,927,456	217,690	23,145,147	7,963,468	15,181,679	15,874,478	15,033,168	841,310
1927.....	24,217,185	361,624	24,578,809	8,967,715	15,611,094	15,878,655	15,002,118	876,537
Grand total.....	189,075,424	3,095,497	192,170,921	95,077,643	74,004,278	149,365,806	143,418,906	5,946,900

<sup>1</sup>To and including 1921 "Net revenues from business operations" shown in last column are included in "Taxes, licenses, etc.," "Total transit revenues," and "Net revenues from transit operations," therefore the \$480,725 shown under the latter is the net revenue to June 30, 1921, from all operations. In the adjusted total this is transferred to "net revenues from business operations," to which is also added \$619,595 interest on public works in Panama and Colon received prior to June 30, 1921, but not taken up as a canal revenue.

<sup>2</sup>Debit

Sources Table 457, Steamboat Inspection Service, Department of Commerce, Table 458, Annual Reports of the Secretary of the Treasury, Table 459, Report of the Governor of the Panama Canal.



### No. 460.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL: By NATIONALITY OF VESSEL

[NOTE. See general note, p. 413. Net tonnage is according to Panama Canal measurement]

Nationality and year ended June 30	Number of vessels	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)	Nationality and year ended June 30	Number of vessels	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)
<b>Total traffic.</b>					<b>Chilean—Contd.</b>				
1915-1927, total.	44,377	174,878	106,363	185,658	1925.	26	122	114	83
1915.	1,075	3,793	2,468	4,868	1927.	27	114	107	87
1916.	758	2,396	2,408	3,094	<b>Danish.</b>				
1917.	1,803	5,799	5,627	7,059	1915-1927, total.	667	2,387	2,208	2,221
1918.	2,089	6,574	6,439	7,532	1925.	42	180	153	202
1919.	2,024	6,125	6,173	6,917	1926.	63	235	224	296
1920.	2,478	6,546	8,514	9,374	1927.	46	198	188	263
1921.	2,892	11,416	11,277	11,599	<b>Dutch.</b>				
1922.	2,736	11,417	11,198	10,885	1915-1927, total.	819	4,002	3,722	4,196
1923.	3,967	18,006	17,608	19,568	1925.	102	531	485	619
1924.	5,230	26,149	24,291	26,995	1926.	93	531	489	553
1925.	4,673	22,855	21,401	23,959	1927.	105	575	542	572
1926.	5,197	24,775	22,931	26,037	<b>Peruvian.</b>				
1927.	5,475	26,228	24,229	27,748	1915-1927, total.	812	2,076	1,602	1,301
<b>United States.</b>					1925.	73	199	127	101
1915-1927, total.	18,345	85,945	80,964	93,773	1926.	64	■	112	95
1915.	459	1,700	2,003	2,188	1927.	63	143	123	108
1916.	213	653	734	849	<b>French.</b>				
1917.	404	1,239	1,238	1,478	1915-1927, total.	774	3,002	3,113	2,949
1918.	567	1,704	1,714	2,098	1925.	105	■	401	482
1919.	784	2,257	2,327	2,759	1926.	90	■	415	398
1920.	1,126	3,701	3,806	4,547	1927.	116	536	518	530
1921.	1,210	4,862	4,785	5,163	<b>Swedish.</b>				
1922.	1,095	4,972	4,867	4,961	1915-1927, total.	489	1,934	1,642	2,789
1923.	1,994	10,209	9,474	11,085	1925.	49	226	186	262
1924.	2,947	15,807	14,463	16,654	1926.	84	369	311	636
1925.	2,326	12,271	11,302	13,080	1927.	106	395	330	652
1926.	2,432	12,565	11,540	12,711	<b>Spanish.</b>				
1927.	2,685	13,915	12,720	15,242	1915-1927, total.	293	941	904	654
<b>British.</b>					1925.	43	160	148	72
1915-1927, total.	11,887	51,356	49,866	51,642	1926.	31	121	118	50
1925.	1,211	5,949	5,734	5,917	1927.	30	111	106	46
1926.	1,423	7,040	6,570	6,751	<b>Italian.</b>				
1927.	1,351	6,943	6,463	6,437	1915-1927, total.	373	1,554	1,623	1,181
<b>Norwegian.</b>					1925.	57	241	258	180
1915-1927, total.	2,060	7,210	6,652	8,302	1926.	90	380	405	322
1925.	192	673	619	843	1927.	74	344	363	306
1926.	306	987	876	1,051	<b>German.</b>				
1927.	265	908	809	1,052	1920-1927, total.	851	3,469	3,177	4,011
<b>Japanese.</b>					1925.	163	723	661	831
1915-1927, total.	1,488	6,539	7,238	8,577	1926.	163	726	659	885
1925.	172	634	853	947	1927.	212	780	706	974
1926.	131	649	671	668	<b>Miscellaneous.</b>				
1927.	165	818	803	1,037	1915-1927, total.	877	1,738	1,598	1,792
<b>Chilean.</b>					1925.	100	389	262	307
1915-1927, total.	742	2,225	1,943	1,266	1926.	■	478	■	539
1925.	29	129	122	95	1927.	230	448	397	439

### No. 461.—COMMERCIAL TRAFFIC THROUGH PANAMA CANAL: By DIRECTION

[NOTE.—A to P=Atlantic to Pacific; P to A=Pacific to Atlantic. See also general note, p. 413]

Years ended June 30—	Number of vessels	Thousands of gross tons	Thousands of net tons <sup>1</sup>	Thousands of cargo tons		
				Total	A to P	P to A
1915.	1,075	5,417	2,793	4,668	2,071	2,817
1916.	758	3,597	2,396	3,094	1,369	1,725
1917.	1,803	8,531	5,799	7,059	2,929	4,129
1918.	2,089	9,371	6,574	7,532	2,639	4,893
1919.	2,024	7,877	6,125	6,917	2,740	4,176
1920.	2,478	11,060	8,546	9,374	4,093	5,281
1921.	2,892	14,522	11,416	11,599	5,862	5,707
1922.	2,736	14,361	11,417	10,885	5,496	5,389
1923.	3,967	23,633	18,608	19,568	7,086	12,482
1924.	5,230	33,412	26,149	26,995	7,860	19,135
1925.	4,673	26,148	22,855	23,959	7,398	16,560
1926.	5,197	31,673	24,775	26,087	8,037	18,000
1927.	5,475	33,556	26,228	27,748	8,863	19,165

<sup>1</sup> Panama Canal measurement.

Source of Tables 460 and 461: Report of the Governor of the Panama Canal.



## No 464.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS

[Note.—In thousands of cargo tons (2,240 pounds). This and the following tables do not include cargoes (small in aggregate) carried by ships of less than 100 tons gross capacity]

	Imports in vessels of—					Exports in vessels of—				
	Total	U. S. Shipping Board	Independent American	British	Other	Total	U. S. Shipping Board	Independent American	British	Other
<b>Total.</b>										
1921.....	33,067	4,835	18,635	(1)	9,587	48,431	7,254	11,150	(1)	30,027
1922.....	44,682	5,200	22,665	8,600	8,148	42,502	6,644	10,205	14,100	11,544
1923.....	43,296	3,031	19,753	9,218	11,294	49,080	5,903	9,286	18,824	14,067
1924.....	40,899	2,663	19,630	8,406	10,200	52,261	6,683	11,553	18,867	15,078
1925.....	43,135	2,286	19,930	9,586	12,334	49,666	5,624	10,092	18,836	15,544
1926.....	44,686	2,888	18,217	10,702	12,879	68,140	5,591	11,531	28,309	22,749
<b>Per cent distribution:</b>										
1921.....	100.0	15	56	(1)	29	100.0	15	23	(1)	62
1926.....	100.0	6	41	24	29	100.0	8	17	42	33
<b>Dry cargoes.</b>										
1921.....	15,695	2,173	6,192	(1)	7,330	42,451	6,529	9,483	(1)	26,439
1922.....	25,526	3,162	8,106	7,259	8,999	36,062	8,386	8,144	11,276	10,256
1923.....	27,962	2,724	8,253	7,531	9,454	39,592	6,713	7,104	13,985	11,790
1924.....	26,242	2,267	8,462	8,914	8,599	41,204	5,460	8,290	14,146	12,308
1925.....	30,352	2,077	9,691	8,065	10,519	39,241	5,467	6,574	14,848	12,852
1926.....	32,085	2,323	9,132	9,386	11,244	55,851	5,486	7,838	23,222	19,306
<b>Tanker cargoes.</b>										
1921.....	17,362	2,662	12,443	(1)	2,257	5,980	725	1,667	(1)	3,588
1922.....	19,156	2,107	14,559	1,341	1,149	6,440	258	2,061	2,823	1,258
1923.....	15,334	307	11,560	1,687	1,640	9,488	190	2,162	4,830	2,277
1924.....	14,657	396	11,168	1,492	1,601	11,057	303	3,363	4,721	2,770
1925.....	12,783	308	9,239	1,521	1,815	10,425	157	3,518	4,038	2,712
1926.....	12,601	565	9,085	1,316	1,635	12,299	105	3,693	5,047	3,444
<b>North Atlantic ports:</b>										
1923.....	24,270	1,691	7,886	6,249	8,244	20,716	2,909	2,094	7,942	7,770
1924.....	22,351	1,683	7,885	5,596	7,188	20,606	2,673	2,516	7,855	7,432
1925.....	24,069	1,501	7,756	6,224	8,588	20,817	2,604	2,596	7,891	7,827
1926.....	26,449	1,895	8,781	6,720	9,053	23,994	2,164	3,352	15,330	13,148
<b>South Atlantic ports:</b>										
1923.....	1,561	167	557	169	668	927	207	192	128	400
1924.....	1,736	97	571	535	523	822	203	152	162	306
1925.....	2,082	96	821	839	826	1,081	94	314	303	380
1926.....	2,165	121	1,003	349	692	1,354	220	69	486	579
<b>Gulf ports:</b>										
1923.....	10,028	465	6,676	1,029	1,638	10,699	2,553	1,751	3,068	2,227
1924.....	9,889	400	6,967	812	1,690	12,805	2,607	2,321	3,823	4,054
1925.....	8,539	312	5,051	1,071	2,105	12,420	2,093	2,264	3,334	4,729
1926.....	8,184	552	4,304	1,062	2,266	13,304	2,445	2,043	3,660	5,166
<b>Pacific ports:</b>										
1923.....	2,524	468	548	773	715	8,472	1,234	1,466	3,160	2,623
1924.....	2,585	464	551	765	785	9,360	981	2,233	2,806	3,248
1925.....	2,602	376	558	889	779	8,356	933	2,144	2,744	2,535
1926.....	2,712	320	681	877	834	11,450	762	2,912	4,021	3,756
<b>Great Lakes ports:</b>										
1923.....	4,913	.....	3,686	998	29	8,367	.....	3,783	4,536	49
1924.....	4,348	.....	3,636	696	14	8,578	.....	4,431	4,129	18
1925.....	5,843	.....	4,744	1,063	36	6,992	.....	2,775	4,124	98
1926.....	5,176	.....	3,446	1,694	34	6,038	.....	3,155	4,782	101

Month	Imports					Exports				
	1922	1923	1924	1925	1926	1922	1923	1924	1925	1926
<b>Total</b> .....	44,682	43,296	40,899	43,135	44,686	48,431	49,080	52,261	49,666	68,140
January.....	2,817	3,563	2,715	3,129	3,065	2,904	3,377	3,816	3,426	3,606
February.....	3,017	3,171	3,247	3,311	3,311	2,781	2,809	3,469	3,304	3,218
March.....	3,255	4,006	3,515	3,768	4,379	3,262	3,460	3,449	3,618	3,573
April.....	3,099	3,435	3,524	3,529	3,480	3,358	3,773	3,948	4,054	3,740
May.....	3,928	3,723	4,309	3,536	3,655	3,296	5,045	4,635	4,434	4,681
June.....	3,626	3,490	3,521	3,709	4,195	3,344	4,859	4,340	4,273	5,401
July.....	3,804	3,564	3,447	3,511	3,684	3,117	4,668	4,162	4,548	6,781
August.....	3,906	3,337	3,042	3,175	3,757	3,676	4,821	4,419	4,607	7,110
September.....	4,365	3,077	3,127	3,343	3,535	4,211	3,963	5,471	4,367	7,286
October.....	4,423	3,856	3,275	3,851	3,635	4,374	4,392	5,851	4,783	7,065
November.....	4,322	3,842	3,596	4,023	4,312	4,573	3,985	4,629	4,220	7,733
December.....	4,061	4,282	3,381	4,240	3,498	3,604	3,570	4,072	4,082	7,367

<sup>1</sup> British not segregated in 1921; included in "Other."

Source: Bureau of Research, United States Shipping Board.

No. 465.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS:  
By Regions of Origin and Destination and Method of Carriage.

[In thousands of cargo tons of 2,240 pounds]

Foreign trade region	1923	1924	1925	1926—In vessels of—				
				Total	U. S. Ship- ping Board	Inde- pendent Amer- ican	British	Others
Imports, total.....	43, 296	40, 899	43, 135	44, 686	2, 888	18, 217	10, 702	12, 879
United Kingdom.....	2, 611	1, 644	1, 923	1, 946	169	89	1, 282	406
North Atlantic and Baltic Europe....	1, 585	1, 183	1, 108	1, 014	116	7	2	889
Havre-Hamburg range.....	2, 663	2, 763	3, 366	4, 498	1, 008	167	768	2, 555
South Atlantic Europe.....	482	443	487	564	34	5	184	341
West Mediterranean.....	1, 196	893	1, 143	1, 192	30	134	216	812
East Mediterranean and Black Sea....	291	318	412	420	1	77	189	153
West Indies.....	5, 549	5, 396	6, 702	8, 042	67	3, 481	1, 994	2, 500
Mexico.....	14, 151	13, 242	10, 510	8, 375	376	6, 345	485	1, 169
Central America.....	1, 065	1, 103	1, 231	1, 177	-----	440	263	474
North Coast South America.....	368	486	719	1, 703	103	1, 193	39	368
East Coast South America.....	1, 613	1, 416	1, 287	1, 682	337	268	564	513
West Coast South America.....	2, 031	2, 689	2, 744	2, 901	-----	1, 607	440	854
West Africa.....	198	197	235	260	93	4	156	7
South and East Africa.....	128	210	209	250	26	22	198	4
Australasia.....	169	94	103	108	10	8	69	21
East Indies.....	442	405	511	550	36	110	280	124
Orient.....	1, 121	1, 182	1, 344	1, 249	388	227	187	447
India, Persian Gulf, and Red Sea....	666	750	816	777	94	136	520	27
Pacific Canada.....	1, 054	1, 197	1, 296	1, 350	-----	330	827	193
Atlantic Canada and Newfoundland..	5, 913	5, 289	6, 996	6, 628	-----	3, 567	2, 039	1, 022
Exports, total.....	49, 080	52, 961	49, 686	68, 140	5, 591	11, 581	28, 989	22, 749
United Kingdom.....	7, 302	8, 229	7, 459	19, 505	1, 345	692	12, 236	5, 232
North Atlantic and Baltic Europe....	1, 706	1, 653	1, 872	1, 703	146	106	121	1, 330
Havre-Hamburg range.....	8, 022	8, 442	8, 023	8, 525	2, 212	367	1, 404	4, 542
South Atlantic Europe.....	1, 565	1, 255	1, 274	2, 055	131	166	775	983
West Mediterranean.....	3, 749	4, 225	3, 650	4, 434	199	325	569	3, 341
East Mediterranean and Black Sea....	690	625	654	829	17	148	362	302
West Indies.....	3, 148	3, 252	3, 383	3, 142	8	1, 307	739	1, 088
Mexico.....	1, 253	1, 037	759	593	-----	280	24	289
Central America.....	1, 223	1, 105	1, 453	1, 755	18	1, 429	138	170
North Coast South America.....	193	252	361	539	3	257	44	235
East Coast South America.....	2, 291	3, 030	2, 939	4, 945	383	462	2, 868	1, 232
West Coast South America.....	853	1, 255	1, 200	1, 306	7	509	449	341
West Africa.....	140	197	280	474	85	58	149	182
South and East Africa.....	257	300	406	340	2	7	287	44
Australasia.....	966	1, 283	1460	1, 740	114	118	984	524
East Indies.....	277	229	289	406	17	99	152	138
Orient.....	5, 082	5, 140	4, 316	5, 407	864	980	1, 241	2, 322
India, Persian Gulf, and Red Sea....	362	425	403	453	40	226	180	7
Pacific Canada.....	677	712	719	854	-----	522	323	9
Atlantic Canada and Newfoundland..	9, 326	9, 616	8, 764	9, 135	-----	3, 473	5, 224	438

Foreign trade region	Ocean-borne imports, 1926				Ocean-borne exports, 1926			
	North Atlantic	South Atlantic	Gulf	Pacific	North Atlantic	South Atlantic	Gulf	Pacific
Total.....	26, 449	2, 165	8, 184	2, 712	33, 994	1, 354	13, 304	11, 450
United Kingdom.....	1, 695	35	145	69	14, 032	386	3, 279	1, 808
North Atlantic and Baltic Europe....	890	29	47	38	956	58	615	74
Havre-Hamburg range.....	2, 957	478	626	434	4, 387	362	3, 259	516
South Atlantic Europe.....	526	22	11	5	1, 088	13	891	63
West Mediterranean.....	1, 101	19	56	16	2, 833	52	1, 426	123
East Mediterranean and Black Sea....	416	2	2	-----	764	-----	62	3
West Indies.....	4, 889	223	2, 905	25	1, 855	178	1, 047	62
Mexico.....	4, 768	727	2, 778	102	183	6	228	176
Central America.....	455	5	646	71	639	-----	03	713
North Coast South America.....	1, 321	90	285	7	427	8	94	10
East Coast South America.....	1, 336	25	212	109	3, 453	169	732	591
West Coast South America.....	2, 073	453	208	167	342	-----	36	928
West Africa.....	242	-----	18	-----	405	-----	69	-----
South and East Africa.....	245	2	3	-----	222	-----	91	27
Australasia.....	73	-----	-----	35	530	25	199	966
East Indies.....	494	-----	4	52	237	8	4	157
Orient.....	477	-----	64	708	847	88	528	3, 944
India, Persian Gulf, and Red Sea....	653	8	116	-----	252	-----	150	51
Pacific Canada.....	421	19	36	874	18	-----	14	822
Atlantic Canada and Newfoundland..	1, 417	28	22	-----	524	1	177	396

Source: Bureau of Research, United States Shipping Board.

**No. 466.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS:  
By Trade Regions and Individual Countries**

[NOTE. In cargo tons of 2,240 pounds. Note that a country may appear in part under one trade region and in part under another. Minor countries are omitted but their trade is included in regional totals.]

Foreign origin or destination	Imports			Exports		
	1924	1925	1926	1924	1925	1926
<b>Grand total</b>	<b>40,899,193</b>	<b>43,135,164</b>	<b>44,866,235</b>	<b>52,261,290</b>	<b>49,698,499</b>	<b>50,136,561</b>
<b>United Kingdom</b>	<b>1,643,697</b>	<b>1,923,449</b>	<b>1,946,356</b>	<b>8,228,660</b>	<b>7,459,399</b>	<b>19,606,183</b>
England	1,427,299	1,456,538	1,325,181	6,999,245	6,548,553	15,594,452
Ireland	8,642	8,506	5,902	430,048	268,378	971,829
Scotland	115,195	146,511	167,626	724,935	600,653	1,862,245
Wales	92,760	311,894	447,645	74,432	41,682	1,086,657
<b>North Atlantic and Baltic Europe</b>	<b>1,163,226</b>	<b>1,108,060</b>	<b>1,014,477</b>	<b>1,463,414</b>	<b>1,673,202</b>	<b>1,702,797</b>
Greenland	5,350	9,580	7,380		24	53
Russia		2,024	3,861	53,661	260,426	72,318
Finland	83,201	95,228	108,718	77,977	66,311	162,642
Norway	329,148	294,796	258,296	349,449	337,420	374,061
Sweden	657,821	609,316	520,904	396,143	294,451	328,604
Denmark	43,329	38,358	72,428	636,680	750,156	702,677
Danzig	14,363	27,937	20,547	66,717	51,394	22,628
Germany	38,121	30,186	26,748	52,497	60,319	18,475
Estonia	3	350	494	46	76	461
Latvia	892	285	1	21,245	31,625	10,758
<b>Havre-Hamburg range</b>	<b>2,783,146</b>	<b>3,366,761</b>	<b>4,497,997</b>	<b>8,442,378</b>	<b>8,022,182</b>	<b>8,686,301</b>
Germany	1,032,455	1,171,410	1,305,395	2,244,563	2,237,762	2,169,952
Holland	439,313	690,274	1,166,762	2,363,812	2,090,381	2,405,410
Belgium	955,504	1,205,612	1,688,457	1,608,943	1,655,619	1,506,723
France	355,866	298,466	335,953	1,230,060	1,039,400	1,443,117
<b>South Atlantic Europe</b>	<b>448,184</b>	<b>464,880</b>	<b>564,297</b>	<b>1,264,661</b>	<b>1,274,691</b>	<b>2,064,692</b>
France	50,950	51,117	52,398	945,605	945,061	1,200,623
Portugal	45,865	58,238	71,079	76,759	91,567	327,766
Spain	345,863	377,114	440,350	195,085	199,442	216,594
Azores Islands	222	348	370	13,102	14,748	20,668
Canary Islands	282	51	96	23,773	20,598	274,916
Madeira	12	12	2	337	2,075	14,096
<b>West Mediterranean</b>	<b>998,688</b>	<b>1,142,797</b>	<b>1,198,666</b>	<b>4,235,321</b>	<b>3,660,378</b>	<b>4,434,096</b>
Spain	172,730	208,792	230,049	313,997	349,729	432,798
France	70,076	82,196	84,428	731,896	603,452	651,633
Italy	401,074	518,097	495,863	2,974,572	2,511,978	2,957,432
Yugoslavia	14,038	67,027	56,119	227	365	5,864
Malta	215	53	31	24,368	18,636	52,824
Tunis	94,706	57,473	35,883	40,506	31,459	25,018
Algeria	138,786	148,937	278,254	117,698	126,039	268,567
Morocco	1,043	150	11,899	17,068	9,705	23,946
<b>East Mediterranean and Black Sea</b>	<b>317,743</b>	<b>412,085</b>	<b>419,551</b>	<b>684,798</b>	<b>664,046</b>	<b>826,782</b>
Bulgaria	1,938	772	859	1,210	1,065	2,121
Rumania	187	1,007	20,940	3,067	5,432	13,488
Russia			242,641	13,226	125,421	31,183
Ukraine				768	8,239	
Georgia	181,994	213,424		6,403	30,304	
Turkey	33,466	51,697	24,414	65,129	52,800	47,964
Armenia						
Greece	50,961	70,505	45,690	285,675	242,396	296,254
Egypt	44,646	57,559	68,299	218,763	143,380	410,202
Palestine	247	246	177	2,349	4,835	20,188
Syria	1,789	8,627	2,293	26,782	37,943	16,927
<b>West Indies</b>	<b>6,395,781</b>	<b>6,702,429</b>	<b>6,641,762</b>	<b>3,281,946</b>	<b>3,382,887</b>	<b>3,141,632</b>
Cuba	4,598,844	5,572,928	5,948,097	2,446,216	2,547,346	2,142,739
Jamaica	223,907	303,502		124,821	126,200	192,204
Bahama Islands	32,752	38,372	29,114	24,628	32,216	40,722
Haiti	24,213	32,190	25,243	87,725	92,902	102,933
Dominican Republic	121,881	60,432	125,859	127,420	116,736	131,902
Lesser Antilles	289,421	690,910	1,007,020	399,647	426,434	491,257
Bermudas	4,763	4,092	6,266	41,502	38,944	28,875
<b>Mexico</b>	<b>12,941,612</b>	<b>16,510,237</b>	<b>8,376,499</b>	<b>1,036,795</b>	<b>768,673</b>	<b>592,739</b>
<b>Central America</b>	<b>1,108,969</b>	<b>1,220,796</b>	<b>1,178,979</b>	<b>1,104,901</b>	<b>1,458,845</b>	<b>1,766,257</b>
British Honduras	74,310	76,839	89,607	11,297	12,634	14,357
Guatemala	176,576	183,108	179,080	65,077	66,584	81,091
Honduras	348,962	425,612	375,347	74,082	114,099	87,515
Nicaragua	158,285	169,881	147,794	31,820	38,196	59,112
Costa Rica	122,027	148,001	167,427	40,201	38,837	41,946
Panama	76,461	64,828	46,174	4,005	7,758	4,769
Canal Zone	132,469	124,714	156,019	246,028	1,125,591	1,401,632
Salvador	12,875	7,817	26,468	22,281	55,944	65,242

**No. 466.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: By  
TRADE REGIONS AND INDIVIDUAL COUNTRIES—Continued**

Foreign origin or destination	Imports			Exports		
	1924	1925	1926 <sup>1</sup>	1924	1925	1926
<b>North Coast South America</b> .....	488,349	719,877	1,709,129	252,006	260,912	639,730
Venezuela.....	116,839	287,613	857,091	106,340	145,300	293,456
British Guiana.....	163,200	175,213	180,898	24,863	27,924	34,147
Dutch Guiana.....	53,648	94,326	48,145	11,970	17,550	22,901
French Guiana.....	87	41	13	2,298	2,691	2,089
Colombia.....	162,465	162,084	616,063	106,537	167,447	166,132
<b>East Coast South America</b> .....	1,416,101	1,387,420	1,661,748	3,089,747	2,938,921	4,945,261
Brazil.....	648,252	715,477	821,698	1,287,389	1,177,296	2,107,261
Uruguay.....	21,025	33,943	56,716	236,078	313,434	473,335
Paraguay.....	19,415				49	20
Argentina.....	712,431	520,621	789,041	1,508,081	1,448,152	2,344,133
South Atlantic Islands.....	14,978	17,379	14,293	201		10,592
<b>West Coast South America</b> .....	1,682,396	1,744,069	1,900,993	1,264,766	1,200,119	1,306,936
Colombia.....	22,936	24,267	31,732	22,778	34,284	56,439
Chile.....	2,223,903	2,466,052	2,366,623	956,024	912,296	925,122
Peru.....	418,720	248,872	480,269	253,396	229,892	298,471
Ecuador.....	13,744	14,878	13,369	22,568	23,644	25,906
<b>West Africa</b> .....	196,630	334,886	369,796	197,216	379,880	473,916
Morocco.....	2,171	3,776	3,866	16,846	32,694	37,427
Cape Verde Islands.....	181	2	1	3,225	2,477	120,309
Senegal.....		556	3,734	63,474	112,723	154,986
Gambia.....				1,525	1,366	1,045
Sierra Leone.....	969	790	971	7,086	8,071	8,158
Liberia.....	2,307	149	178	2,871	1,202	1,800
Ivory Coast.....	32,465	27,608	34,824	3,178	4,675	6,750
Gold Coast.....	122,828	164,370	168,521	35,890	40,402	46,583
Dahomey.....	896	2,139	900	4,807	6,023	6,596
Nigeria.....	25,483	33,228	30,779	35,946	40,629	41,796
Cameroon.....	2	2	723	1,785	3,057	4,868
Belgian Congo.....	8,103	11,010	12,660	5,106	8,715	28,756
Angola.....	1	13	18	2,707	2,992	6,216
<b>South and East Africa</b> .....	309,576	300,303	349,861	300,130	406,466	339,519
Union of South Africa.....	46,285	42,086	77,373	224,412	303,118	234,679
Mozambique.....	158,279	149,690	158,836	61,248	79,040	63,851
British East Africa.....	481	1,221	1,400	5,212	112,045	14,765
Madagascar.....	4,529	1,634	4,140	2,035	4,064	3,442
Mauritius Island.....				5,768	3,359	5,705
<b>Australasia</b> .....	93,843	102,997	108,139	1,289,896	1,460,341	1,740,354
New Zealand.....	20,579	28,909	32,714	302,518	379,864	437,031
Australia.....	46,094	47,256	41,482	948,051	1,057,020	1,263,137
Fiji Islands.....	1,915	2,040	4,617	5,249	4,086	7,843
Friendly Islands.....		731	399	479	319	1,016
New Caledonia.....	8,559	5,066	8,872	2,799	3,846	5,068
Society Islands.....	13,050	11,434	12,111	12,443	11,475	9,830
Cook Islands.....	1,036	1,963	918	301	319	610
Gilbert Islands.....	1,240		700	1,538		
Tasmania.....	1,047	586	628	9,520	10,626	13,002
New Guinea.....		5,012	5,908		1,746	2,827
<b>East Indies</b> .....	406,464	511,437	549,806	228,950	289,456	406,417
Strait Settlements.....	251,023	317,554	369,456	63,149	71,557	96,213
French Indo-China.....	1,003	743	179	22,673	33,473	45,279
Sumatra.....	44,073	52,681	53,717	11,168	30,230	42,653
Java.....	95,832	118,242	103,194	111,836	133,138	158,437
Borneo.....	2,585	7,598	3,373	11,846	9,277	43,219
Celebes.....	7,935	9,939	13,091	957	2,298	4,667
<b>Orient</b> .....	1,192,066	1,343,720	1,949,425	5,140,435	4,318,487	5,407,399
China.....	334,176	317,948	296,415	1,645,380	1,348,198	1,459,998
Russia.....		1,548	2,075	2,628	367	1,018
Japan.....	220,225	259,832	291,104	3,007,522	2,512,348	3,445,576
Philippine Islands.....	627,635	761,692	696,831	484,905	455,634	600,880
<b>India, Persian Gulf, and Red Sea</b> .....	760,183	818,367	776,866	494,687	403,209	459,086
Irak.....	35,949	34,400	26,792		1	23
Arabia.....	4,159	5,304	4,567	12,272	11,867	5,251
Persia.....	900	1,007		9,250		
India.....	639,467	713,247	666,210	376,730	364,571	416,256
Ceylon.....	61,497	62,317	72,385	23,927	26,362	30,366
<b>Canada</b> .....	6,485,415	8,391,766	7,977,783	10,397,482	9,482,679	9,989,848
Pacific.....	1,190,796	1,295,671	1,349,540	711,533	718,679	853,568
Atlantic and Newfoundland.....	942,826	1,162,506	1,452,699	1,039,361	1,774,227	1,097,764
Great Lakes.....	4,345,797	5,933,590	5,175,644	8,576,668	6,969,992	8,037,330

<sup>1</sup> Kenya and Tanganyika Territory only

Source: Bureau of Research, United States Shipping Board.

**No. 467.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS:  
By States and Individual Ports**

[NOTE.—In cargo tons of 2,240 pounds. State totals cover all tonnage including small ports not shown]

State and port	Imports			Exports		
	1924	1925	1926	1924	1925	1926
<b>Atlantic ports, total</b> .....	<b>94,112,904</b>	<b>98,103,390</b>	<b>97,661,054</b>	<b>21,548,111</b>	<b>21,662,221</b>	<b>24,674,558</b>
Maine, total.....	471,406	548,220	688,785	314,735	241,669	243,987
Portland.....	433,113	511,962	644,707	314,735	240,061	243,862
New Hampshire Portsmouth.....			22,044			
Massachusetts, total.....	2,737,826	2,563,514	2,684,349	404,539	349,201	328,837
Boston.....	2,009,350	2,171,615	2,514,897	324,300	325,272	298,105
Fall River.....	704,853	353,323	165,172	69,750	23,364	21,850
Rhode Island, total.....	604,350	695,292	459,447	1,944	559	512
Providence.....	555,094	662,721	458,947	1,812	559	512
Connecticut.....	42,960	45,785	70,881	7,849	2,227	3
New York, total.....	9,968,229	11,018,258	11,591,068	11,897,318	11,687,151	10,551,289
New York.....	9,962,840	11,013,944	11,577,813	11,890,468	11,687,151	10,549,687
New Jersey, total.....	1,145,015	956,513	1,539,468	139,765	92,028	402,898
Bayonne, N. J.....	21,323	902	565,291	18,448	9,000	310,128
Newark.....	158,948	134,747	152,911	4,108	1,628	1,760
Perth Amboy.....	884,339	742,016	686,111	80,904	58,376	44,776
Carteret.....	67,536	70,735	137,446	2,635	2,463	10,478
Delaware, total.....	195,719	234,470	215,678	183	552	569
Claymont.....	103,716	165,744	157,038			
Wilmington.....	92,003	68,726	58,640	183	552	569
Pennsylvania, total.....	3,154,815	3,355,605	3,162,685	2,453,722	2,494,249	3,436,076
Chester.....	27,253	120,231	219,309	9,846	6,221	6,004
Marcus Hook.....	10,345			144,485	130,548	96,268
Philadelphia.....	3,107,217	3,235,374	2,943,576	2,299,391	2,357,480	2,335,814
Maryland Baltimore.....	3,563,684	3,938,947	4,472,784	1,857,511	1,753,722	7,089,674
District of Columbia.....			900			
Virginia, total.....	502,248	665,583	617,706	3,642,215	4,290,385	11,470,808
Newport News.....	120,856	201,622	123,383	1,178,694	1,824,604	4,425,546
Norfolk.....	371,412	463,961	494,323	2,463,521	2,465,491	7,045,262
North Carolina Wilmington.....	198,298	203,720	195,285	26,756	19,917	22,699
South Carolina, total.....	595,459	653,651	742,773	193,394	388,760	681,851
Charleston.....	594,289	653,651	742,773	191,893	386,202	681,851
Georgia, total.....	493,020	593,435	562,962	341,061	385,448	438,214
Brunswick.....	58,952	52,552	51,619	30,696	41,454	51,207
Savannah.....	434,068	540,883	511,344	310,365	343,994	387,007
Florida, east coast, total.....	439,853	630,297	624,038	267,117	289,453	207,261
Fernandina.....	120			86,310	147,990	110,326
Jacksonville.....	381,504	436,930	509,175	175,835	133,065	86,234
Miami.....	58,229	193,127	114,863	4,972	8,358	954
<b>Gulf ports, total</b> .....	<b>9,891,015</b>	<b>8,684,397</b>	<b>8,187,192</b>	<b>12,901,410</b>	<b>12,412,272</b>	<b>12,450,118</b>
Florida, west coast, total.....	530,967	800,024	959,912	1,327,967	1,312,100	1,115,702
Boca Grande.....		1,000	1,808	162,751	131,234	102,014
Key West.....	189,682	337,302	445,256	277,841	286,567	252,048
Pensacola.....	37,900	90,296	95,440	285,283	249,677	229,577
Tampa.....	303,163	371,425	415,608	506,509	576,317	492,492
Alabama Mobile.....	294,201	341,681	433,704	715,300	766,754	572,460
Mississippi, total.....	26,527	42,910	48,522	266,217	342,101	285,044
Gulfport.....	26,527	42,910	48,522	249,900	328,260	272,023
Louisiana, total.....	5,042,239	5,136,346	5,064,140	4,504,726	4,955,349	4,859,341
Baton Rouge.....	540,276	298,963	168,466	749,977	999,468	963,337
New Orleans.....	4,476,957	4,830,037	4,877,069	3,687,477	3,799,464	3,785,112
Avondale.....				7,221	67,110	31,608
Saint Rose.....				43,298	65,509	29,058
Texas, total.....	3,906,082	2,263,436	1,660,874	6,987,200	5,035,968	6,617,581
Beaumont.....	529	188	2,084	727,600	732,204	945,992
Freeport.....	195,950	288,223	217,182	88,731	121,314	123,482
Galveston.....	1,469,412	775,209	723,398	1,662,090	1,080,074	1,086,377



No. 466.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY TRADE REGIONS AND INDIVIDUAL COUNTRIES—Continued

Foreign origin or destination	Imports			Exports		
	1924	1925	1926	1924	1925	1926
<b>North Coast South America</b>	486,949	719,877	1,708,129	252,008	360,912	536,730
Venezuela	110,859	287,613	857,091	106,340	145,300	293,456
British Guiana	163,300	175,213	190,898	24,863	27,924	34,147
Dutch Guiana	63,648	94,326	48,145	11,970	17,550	22,001
French Guiana	87	41	13	2,298	2,001	2,000
Colombia	162,465	162,084	616,982	106,537	167,447	186,132
<b>East Coast South America</b>	1,416,101	1,987,480	1,681,748	3,089,747	3,938,981	4,945,361
Brazil	648,252	715,477	821,698	1,287,389	1,177,286	2,107,281
Uruguay	21,025	33,943	56,716	236,078	313,434	473,336
Paraguay	19,415					20
Argentina	712,431	520,621	789,041	1,506,061	1,448,162	2,364,133
South Atlantic Islands	14,978	17,379	14,293	201		10,592
<b>West Coast South America</b>	2,689,398	2,744,069	2,900,969	1,254,766	1,900,116	1,306,686
Colombia	22,936	24,267	31,732	22,778	34,284	66,439
Chile	2,233,993	2,466,062	2,366,623	956,024	912,266	926,122
Peru	418,720	248,872	489,269	253,396	229,892	298,471
Ecuador	13,744	14,878	13,369	22,568	23,644	26,906
<b>West Africa</b>	2,171	3,778	2,866	16,846	32,804	37,427
Morocco	181	2	1	3,226	2,477	120,309
Cape Verde Islands		566	3,734	63,474	112,722	154,086
Senegal				1,526	1,366	1,045
Gambia	969	790	971	7,086	8,071	8,168
Sierra Leone	2,307	149	178	2,871	1,202	1,809
Liberia	32,465	27,608	34,824	2,178	4,676	6,780
Ivory Coast	122,828	164,370	168,521	35,890	40,402	46,686
Gold Coast	896	2,139	900	4,807	6,023	6,596
Dahomey	25,488	33,228	30,779	36,946	40,620	41,796
Nigeria	2	2	729	1,785	3,057	4,868
Cameroon	8,103	11,010	12,660	5,108	8,716	26,786
Belgian Congo	1	13	18	2,707	2,992	6,216
Angola						
<b>South and East Africa</b>	308,579	300,806	340,861	308,130	406,450	538,619
Union of South Africa	46,286	42,986	77,373	224,412	303,118	234,679
Mozambique	158,279	149,680	158,836	61,248	79,040	63,851
British East Africa	481	221	2,490	5,212	12,085	14,765
Madagascar	4,626	1,934	4,140	2,035	4,064	3,442
Mauritius Island				5,768	3,369	5,706
<b>Australasia</b>	83,843	102,997	108,139	1,282,896	1,480,341	1,740,364
New Zealand	20,579	26,909	32,714	302,518	370,864	437,031
Australia	46,094	47,256	41,482	948,061	1,067,020	1,263,137
Fiji Islands	1,915	2,040	4,617	5,249	4,066	7,843
Friendly Islands	320	731	399	479	319	1,016
New Caledonia	8,556	7,066	8,872	2,799	3,886	5,068
Society Islands	13,056	11,434	12,111	12,443	11,475	9,830
Cook Islands	1,036	1,903	918	301	319	610
Gilbert Islands	1,240		700	1,538		
Tasmania	1,047	586	128	9,520	10,626	13,002
New Guinea		5,012	5,698		1,746	2,827
<b>East Indies</b>	408,454	511,437	549,605	228,960	289,456	406,417
Straits Settlements	251,023	317,354	319,456	63,149	71,657	96,213
French Indo-China	1,003	743	179	22,873	33,473	45,279
Sumatra	44,073	52,681	53,717	11,168	30,236	42,653
Java	95,832	118,342	103,194	111,836	133,138	158,437
Borneo	2,585	7,598	3,173	11,846	8,277	43,319
Celebes	7,935	9,939	13,091	957	2,296	4,667
<b>Orient</b>	1,192,068	1,343,720	1,949,425	5,140,485	4,318,487	6,407,369
China	334,176	31,948	290,415	1,045,380	1,348,196	1,450,898
Russia		1,548	2,075	2,628	307	1,018
Japan	220,225	259,842	261,104	3,007,122	2,512,348	3,445,576
Philippine Islands	627,655	661,692	680,831	484,005	455,634	600,860
<b>India, Persian Gulf, and Red Sea</b>	750,163	816,367	776,656	434,687	403,908	489,066
Irak	36,949	34,400	26,792		1	22
Arabia	4,159	5,404	4,557	12,272	11,867	5,251
Persia	900	1,007		9,250		
India	639,467	713,247	696,210	376,730	364,571	416,256
Ceylon	81,497	62,317	72,385	23,927	29,362	36,396
<b>Canada</b>	8,483,419	8,291,768	7,977,763	10,327,483	9,482,879	9,966,848
Pacific	1,196,706	1,295,611	1,349,540	711,533	718,679	853,558
Atlantic and Newfoundland	942,826	1,162,506	1,452,690	1,039,301	1,774,227	1,097,764
Great Lakes	4,345,797	5,833,590	5,175,544	8,576,588	6,989,992	8,067,320

1 Kenya and Tanganyika Territory only

Source: Bureau of Research, United States Shipping Board.

# No. 467.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY STATES AND INDIVIDUAL PORTS

[NOTE.—In cargo tons of 2,240 pounds. State totals cover all tonnage including small ports not shown]

State and port	Imports			Exports		
	1924	1925	1926	1924	1925	1926
Atlantic ports, total.....	24, 113, 904	26, 103, 390	27, 661, 054	21, 542, 111	21, 963, 321	24, 875, 556
Maine, total.....	471, 408	548, 220	688, 785	314, 735	241, 669	243, 937
Portland.....	433, 113	511, 962	644, 707	314, 735	240, 061	243, 882
New Hampshire: Portsmouth.....			22, 044			
Massachusetts, total.....	2, 737, 826	2, 563, 514	2, 684, 349	404, 539	349, 201	326, 837
Boston.....	2, 009, 350	2, 171, 615	2, 514, 897	334, 300	325, 272	298, 106
Fall River.....	704, 853	353, 323	105, 172	69, 750	23, 364	21, 850
Rhode Island, total.....	604, 350	695, 292	459, 447	1, 944	559	512
Providence.....	555, 094	663, 721	458, 947	1, 812	559	512
Connecticut.....	42, 980	45, 785	79, 881	7, 849	2, 227	3
New York, total.....	9, 968, 229	11, 018, 258	11, 591, 068	11, 891, 318	11, 687, 151	10, 551, 239
New York.....	9, 962, 840	11, 013, 944	11, 577, 813	11, 890, 468	11, 687, 151	10, 549, 687
New Jersey, total.....	1, 145, 015	956, 513	1, 539, 468	139, 765	92, 028	402, 802
Bayonne, N. J.....	21, 323	902	555, 291	18, 446	9, 000	310, 128
Newark.....	158, 948	134, 747	152, 911	4, 108	1, 628	1, 760
Perth Amboy.....	884, 339	742, 016	686, 111	80, 904	59, 376	44, 776
Carteret.....	67, 536	70, 735	137, 446	2, 635	2, 463	10, 478
Delaware, total.....	196, 719	234, 470	215, 678	183	552	569
Claymont.....	103, 716	165, 744	157, 038			
Wilmington.....	92, 003	68, 726	58, 640	183	552	569
Pennsylvania, total.....	3, 154, 815	3, 355, 605	3, 162, 885	2, 453, 722	2, 494, 249	3, 439, 076
Chester.....	37, 253	120, 231	219, 309	9, 846	6, 221	8, 004
Marcus Hook.....	10, 345			144, 485	130, 548	96, 268
Philadelphia.....	3, 107, 217	3, 235, 374	2, 943, 576	2, 299, 391	2, 357, 480	3, 335, 814
Maryland: Baltimore.....	3, 563, 684	3, 938, 947	4, 472, 784	1, 857, 511	1, 753, 722	7, 089, 674
District of Columbia.....			960			
Virginia, total.....	502, 248	665, 583	617, 706	3, 642, 215	4, 260, 385	11, 470, 802
Newport News.....	130, 836	201, 622	123, 383	1, 178, 694	1, 824, 894	4, 426, 546
Norfolk.....	371, 412	463, 961	494, 323	2, 463, 521	2, 435, 491	7, 043, 516
North Carolina: Wilmington.....	198, 298	203, 720	196, 285	26, 758	19, 917	22, 699
South Carolina, total.....	596, 459	653, 651	742, 773	193, 394	386, 760	681, 851
Charleston.....	594, 289	653, 651	742, 773	191, 893	386, 202	681, 851
Georgia, total.....	493, 020	593, 435	562, 963	341, 061	385, 448	438, 214
Brunswick.....	58, 952	52, 552	51, 619	36, 696	41, 454	51, 207
Savannah.....	434, 068	540, 883	511, 344	304, 365	343, 994	387, 007
Florida, east coast, total.....	439, 853	630, 397	624, 038	267, 117	289, 453	207, 251
Fernandina.....	120			86, 310	147, 989	110, 326
Jacksonville.....	381, 504	436, 930	509, 175	175, 835	133, 065	86, 334
Miami.....	58, 229	193, 127	114, 863	4, 972	8, 358	954
Gulf ports, total.....	9, 891, 016	8, 584, 397	8, 167, 152	12, 801, 410	12, 412, 272	12, 450, 118
Florida, west coast, total.....	530, 967	800, 024	959, 912	1, 327, 967	1, 312, 100	1, 115, 702
Boca Grande.....		1, 000	1, 808	162, 751	131, 234	102, 014
Key West.....	189, 882	337, 302	445, 256	277, 841	286, 567	252, 048
Pensacola.....	37, 900	90, 295	95, 440	285, 283	249, 677	229, 377
Tampa.....	303, 153	371, 425	415, 608	506, 509	578, 317	492, 492
Alabama: Mobile.....	296, 201	341, 681	433, 704	715, 300	766, 754	572, 450
Mississippi, total.....	26, 527	42, 910	48, 522	266, 217	342, 101	285, 044
Gulfport.....	26, 527	42, 910	48, 522	249, 900	328, 260	272, 023
Louisiana, total.....	5, 042, 238	5, 136, 346	5, 064, 140	4, 504, 726	4, 955, 349	4, 859, 341
Baton Rouge.....	540, 276	298, 963	168, 465	749, 977	999, 468	963, 337
New Orleans.....	4, 476, 957	4, 830, 037	4, 877, 059	3, 687, 477	3, 799, 464	3, 785, 112
Avondale.....				7, 221	67, 110	31, 603
Saint Rose.....				43, 298	65, 509	29, 068
Texas, total.....	3, 995, 082	2, 263, 436	1, 660, 874	5, 987, 200	5, 035, 968	6, 617, 581
Beaumont.....	529	188	2, 084	727, 600	732, 204	945, 992
Freeport.....	195, 959	288, 223	217, 182	88, 731	131, 314	132, 482
Galveston.....	1, 569, 412	775, 209	723, 398	1, 652, 090	1, 080, 074	1, 986, 277

**No. 467.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY STATES AND INDIVIDUAL PORTS—Continued**

State and port	Imports			Exports		
	1924	1925	1926	1924	1925	1926
<b>Gulf ports—Continued</b>						
<b>Texas—Continued.</b>						
Houston	722,185	433,538	364,534	1,357,200	1,467,022	2,183,006
Orange	10,603	6,927	4,718	60,469	77,112	59,437
Port Arthur	1,076,632	496,535	219,889	1,233,631	932,730	1,068,661
Sabine				335,363	377,931	91,062
Texas City	405,302	263,016	129,069	496,034	222,376	198,008
<b>Pacific ports, total</b>	<b>5,754,948</b>	<b>2,542,166</b>	<b>2,008,134</b>	<b>9,350,587</b>	<b>8,225,560</b>	<b>11,384,564</b>
<b>California, total</b>	<b>2,621,473</b>	<b>1,383,664</b>	<b>1,481,908</b>	<b>5,607,819</b>	<b>5,395,705</b>	<b>6,769,865</b>
Eureka	2,046	2,200		41,525	46,674	52,058
Los Angeles	1,009,169	393,258	451,832	3,206,821	3,231,141	4,435,046
San Diego	66,511	23,904	13,677	12,584	8,636	6,530
Selby	59,348	10,206	21,410			
San Francisco <sup>1</sup>	931,920	958,012	1,015,927	1,871,921	1,860,265	2,097,250
Port San Luis			332	473,886	240,080	258,029
<b>Oregon, total</b>	<b>116,788</b>	<b>123,068</b>	<b>126,247</b>	<b>1,604,836</b>	<b>1,047,796</b>	<b>1,900,297</b>
Westport				26,134	59,439	52,544
Astoria	17,842	24,011	8,608	145,808	69,443	120,614
Cook Bay <sup>2</sup>			2,169	110,004	82,214	98,349
Portland	95,746	106,789	112,583	1,284,556	764,444	1,527,470
<b>Washington, total</b>	<b>996,987</b>	<b>1,035,406</b>	<b>1,084,919</b>	<b>2,144,933</b>	<b>1,682,050</b>	<b>2,515,402</b>
Anacortes	124,292	110,304	88,496	22,966	50,427	51,421
Bellingham	72,260	78,647	65,585	64,308	62,198	52,907
Everett	1,516	6,728	9,723	128,907	164,523	144,868
Grays Harbor <sup>3</sup>	650	1,072	2,586	492,137	446,474	689,072
Longview			203	6,861	31,597	82,167
Olympia			80		6,963	64,301
Port Angeles	68,577	44,783	142,618	12,167	14,543	19,471
Seattle	389,056	428,400	408,347	754,808	645,737	786,012
Tacoma	333,818	335,741	350,470	590,732	464,960	528,092
<b>Great Lakes ports, total</b>	<b>4,349,791</b>	<b>5,899,803</b>	<b>5,171,873</b>	<b>8,660,735</b>	<b>6,990,775</b>	<b>8,022,418</b>
<b>New York, total</b>	<b>3,417,406</b>	<b>4,672,943</b>	<b>3,993,220</b>	<b>1,676,929</b>	<b>1,759,806</b>	<b>1,691,267</b>
Buffalo	2,944,470	4,094,993	3,516,543	853,571	997,266	742,755
Fair Haven				41,422	36,981	54,204
Ogdensburg	180,881	200,514	172,071	32,330	26,951	2,194
Oswego	11,666	5,654	2,723	178,702	111,642	93,164
Rochester	100,901	160,721	99,909	461,227	385,224	691,480
Rodus Point				108,385	200,219	202,029
Tonawanda	51,814	73,744	56,750			
Watkinsburg	66,790	135,200	137,000			
<b>Pennsylvania Erie</b>	<b>129,500</b>	<b>144,395</b>	<b>208,368</b>	<b>431,489</b>	<b>73,587</b>	<b>113,000</b>
<b>Ohio, total</b>	<b>487,022</b>	<b>638,736</b>	<b>456,774</b>	<b>3,981,176</b>	<b>3,610,797</b>	<b>4,225,154</b>
Ashtabula				544,113	356,606	466,391
Cleveland	268,412	277,214	131,091	1,077,439	140,192	187,226
Conneaut	3,500	300		156,772	91,145	117,031
Fairport		123,146	180,034	198,823	681,945	387,340
Lorain	8,800	13,150	6,000	420,462	174,874	233,836
Sandusky	141,729	169,686	115,090	491,416	974,465	1,111,954
Toledo	64,581	36,218	26,048	1,101,751	1,362,571	1,721,376
<b>Indiana</b>	<b>1,394</b>	<b>2,400</b>	<b></b>	<b>6,664</b>	<b>9,062</b>	<b>15,550</b>
<b>Illinois Chicago</b>	<b>51,354</b>	<b>62,601</b>	<b>79,891</b>	<b>491,519</b>	<b>199,125</b>	<b>321,227</b>
<b>Michigan, total</b>	<b>69,139</b>	<b>77,578</b>	<b>263,525</b>	<b>426,781</b>	<b>845,673</b>	<b>828,303</b>
Calumet				71,962	31,339	19,025
Detroit		4,250	146,414	1,474	1,685	13,116
Escanaba	2,595	2,156	1,460	76,018	173,226	292,406
Marquette	2			238,575	137,300	158,290
<b>Wisconsin, total</b>	<b>134,654</b>	<b>183,778</b>	<b>132,526</b>	<b>806,462</b>	<b>654,913</b>	<b>620,180</b>
Ashland	94,829	119,077	96,349	100,743	134,516	124,267
Milwaukee	10,061	16,512	15,172	91,601	73,697	29,443
Superior	29,734	21,094	6,674	699,262	445,510	664,307
<b>Minnesota, total</b>	<b>59,192</b>	<b>47,573</b>	<b>45,768</b>	<b>697,665</b>	<b>337,792</b>	<b>306,137</b>
Duluth	59,192	47,573	45,768	697,665	337,792	306,137

<sup>1</sup>San Francisco, Calif., includes Martinez, Oakland, Orun, Port Costa, and Richmond.

<sup>2</sup>Cook Bay, Oreg., includes Marshfield and North Bend.

<sup>3</sup>Grays Harbor, Wash., includes Aberdeen and Hoquiam.

Source. Bureau of Research, United States Shipping Board.

**No. 468.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS:  
BY MAJOR COMMODITIES AND BY COASTAL DISTRICTS**

[In thousands of cargo tons of 2,240 pounds. Leaders indicate no data or less than 500 tons]

Commodity	1922	1923	1924	1925					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
<b>Imports, total</b>	<b>42,296</b>	<b>40,999</b>	<b>42,135</b>	<b>44,684</b>	<b>26,449</b>	<b>2,165</b>	<b>2,124</b>	<b>2,712</b>	<b>2,176</b>
Wheat	2,301	2,359	2,407	2,150	1				2,149
Other grains	355	705	699	605	46	1	8	29	511
Vegetables	739	785	796	826	548	12	18	191	57
Meat, fish, and dairy products	222	237	245	279	216		4	57	2
Bananas	1,045	1,170	1,353	1,321	692	9	612	8	
Coconuts and copra	219	205	218	266	59		52	155	
Other fruits and nuts	371	349	415	361	274		56	31	
Sugar	3,318	3,531	3,929	4,058	2,773	198	998	89	
Molasses	963	993	1,305	1,330	634	5	678	10	
Coffee	651	669	613	657	366	9	184	78	
Cocoa	187	169	167	187	183			4	
Tobacco and manufactures	43	49	51	48	41		3	4	
Cotton, raw	122	80	82	89	86			3	
Cotton manufactures	104	92	92	108	65	2	21	20	
Wool, raw	174	123	145	129	125			11	
Wool manufactures	37	45	38	37	34			3	
Jute	98	65	69	76	74	1		1	
Jute manufactures	310	306	311	349	215	5	89	40	
Other fibers and grasses	370	351	409	355	158	4	85	43	65
Other fibers and grasses manufactured	99	92	76	74	62		3	9	
Silk, manufactures	39	42	38	38	30			8	
Paper stock (except wood pulp)	190	245	292	245	204	7	24	10	
Paper manufactures	406	357	342	381	189	18	80	114	49
Clays	344	414	392	428	409		3	8	3
Clay manufactures	236	211	190	209	232	4	22	41	
Rubber	312	208	408	434	421			13	
Coal and coke	1,067	272	657	1,109	997				3
Petroleum, crude	14,121	13,514	11,165	11,138	6,413	1,087	2,578	4	6
Iron ore	2,827	2,036	2,203	2,697	2,683		10	4	
Manganese and manganese ore	364	499	598	675	641		29	5	
Iron and steel and manufactures	675	486	634	1,029	702	13	118	182	14
Copper and manufactures	490	534	460	540	330			220	
Miscellaneous metals	517	546	925	710	335		231	144	
Hides, skins, and manufactures	255	179	173	168	162			6	
Logs and lumber	1,383	1,425	1,608	1,693	1,012	27	206	222	127
Pulpwood	619	802	989	990	203	6		16	675
Wood pulp	568	796	871	891	806		3	42	40
Dyeing and tanning material	210	130	150	182	173		6	2	1
Sulphur and pyrites	278	281	333	370	348	22			
Potash	630	635	789	781	300	331	143	7	
Nitrates	974	994	1,242	933	353	276	217	73	14
Other fertilizers	94	77	96		32	52	13	32	
Chemicals, n. e. s.	234	540	568	586	263	37	236	49	1
Gypsum	391	424	506	716	652			64	
All others	3,445	2,714	2,844	3,294	1,953	86	385	411	459
<b>Exports, total</b>	<b>49,080</b>	<b>53,591</b>	<b>49,686</b>	<b>63,140</b>	<b>32,994</b>	<b>1,264</b>	<b>12,304</b>	<b>11,450</b>	<b>5,089</b>
Wheat	5,551	7,267	5,300	5,768	3,279		1,212	1,064	1,213
Rye	904	1,015	759	365	137		14		214
Corn	854	256	224		104		155	11	60
Barley	423	690	1,077	723	457			208	58
Other grains	550	503	517	483	331		71	24	57
Wheat flour	1,825	1,890	1,787	1,305			301	230	
Vegetables	670	894	932	908	465	37	354	50	2
Meat, fish, and dairy products	747	841	866	789	568		95	126	
Fruits and nuts	353	591	537	694	365		8	321	
Sugar, refined and manufactured	249	251	378	120	107		6	1	6
Tobacco and manufactures	274	306	255	272	185	4	59	24	
Cotton, raw	1,213	1,565	1,863	2,049	178	309	1,501	61	
Cotton manufactures	74	82	92	85	60	22	1	2	
Wool and manufactures	18	14	5	9					
Hides, skins, and manufactures	15	66	45	29	30			9	

**No. 468.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY MAJOR COMMODITIES AND BY COASTAL DISTRICTS—Continued**

Commodity	1923	1924	1925	1926					
				Total	North At- lantic	South At- lantic	Gulf	Pacific	Great Lakes
Exports—Continued									
Coal and coke.....	10,868	9,427	9,092	24,711	18,714	525	206	25	5,241
Petroleum and products.....	11,744	13,759	13,174	14,959	3,201	36	5,809	5,855	58
Iron ore.....	1,059	571	583	813	-----	-----	-----	-----	813
Iron and steel and manufac- tures, n. e. s.....	1,285	1,305	1,223	1,528	1,137	4	191	34	162
Machinery, including agricul- tural.....	337	431	470	494	432	1	34	25	2
Vehicles.....	405	450	644	578	532	-----	29	16	1
Copper manufactures.....	320	454	440	394	296	-----	1	96	1
Lumber.....	4,163	4,560	4,539	4,750	206	71	1,642	2,819	12
Cement.....	159	129	150	152	141	-----	7	4	-----
Sulphur.....	450	463	612	567	4	-----	535	1	27
Phosphates.....	849	795	869	759	38	114	607	-----	-----
Other fertilizers.....	230	198	208	250	179	16	30	25	-----
Chemicals, n. e. s.....	284	264	278	348	237	-----	76	32	3
Naval stores.....	369	367	291	290	25	204	59	2	-----
All others.....	2,828	2,773	2,564	2,518	1,713	11	301	385	108

Source: Bureau of Research, United States Shipping Board.

**No. 469.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE**

[NOTE.—Domestic trade is not included. For definition of net tonnage see general note, p. 413. Figures cover years ended June 30 to and including 1918, calendar years thereafter. Owing to the marked effect of the war on shipping a special average for the 6½ years July 1, 1914, to Dec. 31, 1920, is presented]

(All figures in thousands of net tons)

Yearly average or year	Entered		Cleared		Year	Entered		Cleared	
	Sea-ports	Other ports	Sea-ports	Other ports		Sea-ports	Other ports	Sea-ports	Other ports
1840 <sup>1</sup> .....	1,788	501	1,861	492	1896.....	17,453	3,536	17,819	3,596
1850.....	3,169	1,179	3,167	1,194	1897.....	20,003	3,757	19,878	3,831
1860.....	5,000	3,275	5,257	3,533	1898.....	21,700	3,879	21,892	3,856
1870.....	6,270	2,886	6,362	2,807	1899.....	21,963	4,148	22,177	4,089
1871-1875.....	8,462	2,997	8,514	2,994	1900.....	23,534	4,629	23,618	4,663
1876-1880.....	12,134	2,792	12,197	2,807	1901.....	24,791	4,977	24,889	4,931
1881-1885.....	13,604	2,931	13,781	2,917	1902.....	24,361	6,293	24,242	6,202
1886-1890.....	13,479	2,602	13,655	2,593	1903.....	24,698	6,396	24,823	6,493
1891-1895.....	16,801	2,816	16,965	2,876	1904.....	24,111	5,841	24,192	5,824
1896-1900.....	20,931	3,989	21,077	4,007	1905.....	24,793	6,190	25,020	6,138
1901-1905.....	24,551	5,939	24,633	5,918	1906.....	27,401	6,754	26,970	6,814
1906-1910.....	29,651	8,071	29,156	8,036	1907.....	29,248	7,374	28,499	7,491
1911-1915.....	36,035	11,879	35,954	12,061	1908.....	30,444	8,095	30,198	8,084
1915-1920 <sup>2</sup> .....	38,071	13,440	40,137	13,511	1909.....	30,243	8,815	29,604	8,592
1921-1925.....	52,959	13,334	53,578	13,075	1910.....	30,917	9,319	30,510	9,196
1910-1914.....	35,212	11,408	34,965	11,614	1911.....	32,457	10,218	32,299	10,138
1914-1920 <sup>3</sup> .....	37,604	13,169	39,417	13,190	1912.....	34,659	11,499	34,706	11,711
1880.....	15,251	2,760	15,296	2,747	1913.....	37,973	12,666	37,566	13,586
1881.....	15,631	2,688	15,794	2,676	1914.....	40,052	13,337	39,743	13,440
1882.....	14,656	2,945	14,846	2,911	1915.....	35,032	11,678	35,458	11,427
1883.....	13,361	3,021	13,565	2,976	1916.....	37,744	13,806	38,946	13,477
1884.....	12,085	2,984	12,206	2,999	1917.....	36,521	13,951	38,094	13,983
1885.....	12,287	3,018	12,496	3,019	1918.....	31,101	14,356	31,869	14,145
1886.....	12,230	2,906	12,413	2,915	1918 (July-Dec.).....	16,113	8,916	16,112	9,360
1887.....	13,532	2,284	13,511	2,242	1919.....	36,381	10,320	40,750	10,506
1888.....	12,956	2,437	13,252	2,417	1920.....	51,532	12,572	54,981	12,837
1889.....	13,312	2,640	13,672	2,671	1921.....	49,958	12,327	50,423	12,242
1890.....	15,366	2,741	15,429	2,720	1922.....	51,701	13,490	51,799	13,040
1891.....	15,394	2,810	15,411	2,850	1923.....	52,775	13,544	53,215	13,409
1892.....	18,180	2,833	18,258	2,903	1924.....	54,726	13,565	55,294	13,616
1893.....	16,679	2,903	16,825	2,936	1925.....	55,636	13,742	57,160	13,069
1894.....	17,025	2,965	17,306	2,966	1926.....	63,759	13,174	65,583	13,458
1895.....	16,725	2,570	17,024	2,727	1927.....	58,921	15,389	59,759	15,682

<sup>1</sup> Year ended Sept. 30.<sup>2</sup> Average for period July 1, 1914, to Dec. 31, 1920.<sup>3</sup> Average for period July 1, 1915 to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

**No. 470.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE: BY CUSTOMS DISTRICTS AND BY REGIONS**

[Note.—All figures in thousands of net tons. See headnote, Table 469]

Customs district	1924		1925		1926		1927	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
<b>Grand total</b> .....	<b>68,293</b>	<b>68,910</b>	<b>69,378</b>	<b>70,229</b>	<b>76,933</b>	<b>79,041</b>	<b>74,310</b>	<b>75,440</b>
<b>Seaports, total</b> .....	<b>54,737</b>	<b>55,294</b>	<b>55,636</b>	<b>57,160</b>	<b>63,759</b>	<b>65,583</b>	<b>58,931</b>	<b>59,759</b>
<b>North Atlantic coast, total</b> .....	<b>25,944</b>	<b>24,714</b>	<b>26,990</b>	<b>26,166</b>	<b>28,517</b>	<b>26,236</b>	<b>28,345</b>	<b>26,592</b>
Maine and New Hampshire.....	707	671	695	750	699	676	677	599
Massachusetts.....	3,928	2,348	3,896	2,453	3,783	2,511	4,397	2,884
Rhode Island.....	379	323	417	367	289	255	249	200
Connecticut.....	36	31	31	21	37	13	20	17
New York.....	18,530	19,243	19,210	20,835	20,575	20,427	20,558	21,327
Philadelphia.....	2,364	2,098	2,671	1,740	3,134	2,354	2,444	1,505
<b>South Atlantic coast, total</b> .....	<b>4,572</b>	<b>6,302</b>	<b>5,044</b>	<b>6,925</b>	<b>10,413</b>	<b>12,885</b>	<b>4,896</b>	<b>6,642</b>
Maryland.....	1,867	1,525	1,915	1,478	4,132	3,767	2,052	1,488
Virginia.....	1,057	3,036	1,312	3,507	4,355	6,900	887	2,722
North Carolina.....	107	44	109	63	95	77	65	46
South Carolina.....	476	332	455	445	551	524	482	408
Georgia.....	348	606	404	578	353	640	286	760
Porto Rico.....	717	759	849	854	927	977	1,124	1,218
<b>Gulf coast, total</b> .....	<b>12,947</b>	<b>12,713</b>	<b>12,047</b>	<b>12,140</b>	<b>11,876</b>	<b>12,467</b>	<b>11,612</b>	<b>11,904</b>
Florida.....	2,404	1,992	2,721	2,231	2,630	2,225	2,649	2,158
Mobile.....	549	887	566	921	614	894	689	914
New Orleans.....	5,476	4,921	5,372	5,047	5,421	4,843	5,189	4,535
Sabine.....	1,516	1,429	1,059	1,119	837	1,094	675	1,005
Galveston.....	3,002	3,484	2,329	2,822	2,373	3,410	2,410	3,292
<b>Mexican border: San Antonio</b> .....	<b>5</b>	<b>2</b>			<b>4</b>		<b>101</b>	<b>29</b>
<b>Pacific coast, total</b> .....	<b>11,259</b>	<b>11,563</b>	<b>11,635</b>	<b>11,929</b>	<b>12,950</b>	<b>13,995</b>	<b>13,967</b>	<b>14,653</b>
Washington.....	4,876	5,150	5,362	5,621	5,536	6,031	5,430	5,574
Oregon.....	1,009	882	617	572	899	920	960	910
San Francisco.....	1,636	2,071	1,721	1,912	1,759	2,125	1,811	2,365
Los Angeles.....	2,718	2,320	2,814	2,482	3,623	3,464	4,556	4,375
Alaska.....	255	193	333	303	320	241	333	255
Hawaii.....	765	947	778	1,039	813	1,214	877	1,173
<b>Northern border, total</b> .....	<b>13,565</b>	<b>13,616</b>	<b>13,742</b>	<b>13,069</b>	<b>13,174</b>	<b>13,458</b>	<b>15,389</b>	<b>15,661</b>
Vermont.....	8	10	7	9	5	7	4	7
St. Lawrence.....	999	798	1,247	905	1,144	847	1,773	828
Rochester.....	2,435	2,453	2,416	2,411	2,401	2,475	2,675	2,727
Buffalo.....	2,739	1,237	3,633	1,424	3,087	1,407	3,534	2,147
Ohio.....	3,095	4,503	3,429	4,311	3,475	4,655	3,781	4,745
Michigan.....	2,091	2,207	1,744	1,896	1,472	1,917	2,146	2,179
Chicago.....	316	456	273	368	203	512	199	508
Wisconsin.....	34	349	58	435	237	374	477	538
Duluth and Superior.....	1,848	1,603	935	1,310	1,150	1,264	1,400	2,002

Yearly average or year	Atlantic coast		Gulf coast		Pacific coast		Mexican border, total	Northern border	
	Total	With cargo	Total	With cargo	Total	With cargo		Total	With cargo
<b>Entrances:</b>									
1901-1905.....	17,427	15,149	4,066	1,770	3,068	2,286	-----	5,939	2,602
1906-1910.....	20,921	18,494	5,159	2,420	3,570	2,707	-----	8,072	3,207
1911-1915.....	24,293	20,708	6,635	3,377	5,055	3,649	52	11,879	4,564
1915-1920 <sup>1</sup> .....	24,581	16,094	7,939	4,646	5,487	4,329	64	13,440	6,646
1921-1925.....	30,979	27,133	12,390	8,243	9,562	6,070	28	13,334	6,475
1923.....	31,299	27,992	11,676	8,174	9,786	6,040	14	13,544	6,766
1924.....	30,515	27,222	12,947	8,659	11,259	6,522	5	13,565	6,435
1925.....	31,964	28,681	12,047	8,085	11,625	6,684	-----	13,742	7,323
1926.....	38,930	30,029	11,875	8,082	12,950	7,000	4	13,174	7,131
1927.....	33,174	26,303	11,904	10,410	14,652	12,678	29	15,682	10,656
<b>Clearances:</b>									
1901-1905.....	17,077	15,714	4,499	4,328	3,057	2,418	-----	5,918	3,825
1906-1910.....	20,162	18,659	5,477	5,187	3,517	2,922	-----	8,036	5,673
1911-1915.....	23,608	21,765	7,193	6,414	5,104	4,643	50	12,060	8,567
1915-1920 <sup>1</sup> .....	25,921	23,168	8,528	6,915	5,626	4,762	62	13,511	9,637
1921-1925.....	30,837	24,284	12,833	9,589	9,889	8,360	28	13,075	9,236
1923.....	30,463	24,557	12,242	8,785	10,497	9,056	13	13,409	9,514
1924.....	31,016	24,282	12,713	9,758	11,563	9,746	2	13,616	9,933
1925.....	33,091	26,457	12,140	9,665	11,929	9,628	-----	13,069	8,805
1926.....	39,121	32,537	12,467	10,103	13,995	11,597	-----	13,458	9,241
1927.....	33,241	30,514	11,612	7,337	13,967	7,580	101	15,389	7,824

<sup>1</sup> July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.



## No. 471.—NET TONNAGE OF VESSELS ENTERED IN FOREIGN TRADE: By CLASSES

[All figures except number of vessels and percentages in thousands of net tons. See headnote, Table 469]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Per cent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881-1890.....	32,038	16,308	3,395	12,913	20.7	13,542	5,251	8,291	11,500	1,982
1891-1900.....	31,781	22,269	4,978	17,291	22.4	18,866	3,816	15,050	14,184	4,682
1901-1905.....	34,040	30,490	6,802	23,688	22.3	24,551	2,606	21,945	19,205	5,346
1906-1910.....	34,375	37,722	8,372	29,350	22.2	29,650	1,816	27,834	23,621	6,029
1911-1915.....	38,951	47,914	12,206	35,709	25.5	36,035	1,574	34,461	27,778	8,257
1915-1920 <sup>1</sup> .....	42,713	51,511	21,999	29,512	42.7	38,071	1,899	36,173	25,128	12,943
1921-1925.....	41,546	66,293	29,645	36,648	44.7	52,959	1,004	51,955	41,471	11,488
1910-1914.....	38,038	46,619	11,328	35,291	24.3	35,212	1,558	33,654	28,096	7,116
1914-1920 <sup>2</sup> .....	42,257	50,773	20,657	30,116	40.7	37,604	1,853	35,750	24,938	12,666
1913.....	41,015	50,639	13,072	37,567	25.8	37,973	1,734	36,239	29,127	8,846
1914.....	41,017	53,389	13,730	39,659	25.7	40,063	1,550	38,502	32,283	7,770
1915.....	39,754	46,710	13,275	33,435	28.4	35,032	1,605	33,427	23,893	11,139
1916.....	42,514	51,550	17,928	33,622	34.8	37,744	2,137	35,607	24,253	13,491
1917.....	44,172	50,472	18,725	31,747	37.1	36,521	2,123	34,398	23,726	12,795
1918.....	40,512	45,456	19,284	26,172	42.4	31,101	1,789	29,312	21,147	9,954
1918 (July-Dec.).....	23,032	25,029	11,006	14,023	44.0	16,113	932	15,181	9,649	6,464
1919.....	39,052	46,702	21,933	24,769	47.0	36,381	1,614	34,767	24,041	12,340
1920.....	45,637	64,104	32,119	31,985	50.1	51,531	1,847	49,684	35,387	16,144
1921.....	40,758	62,285	31,185	31,100	50.1	49,958	1,379	48,579	36,066	13,892
1922.....	40,926	65,191	31,738	33,453	48.7	51,701	1,104	50,597	43,219	8,482
1923.....	41,591	66,319	27,725	38,594	41.8	52,775	958	51,817	42,219	10,556
1924.....	42,435	68,292	29,628	38,664	43.4	54,726	849	53,877	42,403	12,323
1925.....	42,019	69,878	27,947	41,431	40.3	55,636	731	54,905	43,450	12,186
1926.....	44,757	76,933	26,890	50,043	35.0	63,759	549	63,210	45,113	18,646
1927.....	45,459	74,310	29,289	45,021	39.4	58,921	530	58,391	45,462	13,458

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881-1890.....	2,933	2,559	10,609	9,001	21.7	2,766	1,976	462	2,304
1891-1900.....	3,619	2,956	15,247	11,228	19.2	3,403	1,589	1,359	2,044
1901-1905.....	3,962	3,246	20,589	15,960	16.1	5,939	2,602	2,840	3,099
1906-1910.....	4,175	3,471	25,475	20,150	14.1	8,072	3,207	4,197	3,875
1911-1915.....	5,276	4,200	30,759	23,578	14.6	11,879	4,564	6,929	4,950
1915-1920 <sup>1</sup> .....	14,508	11,375	23,563	13,753	38.1	13,440	5,646	7,490	5,950
1921-1925.....	22,526	18,404	30,433	23,068	42.5	13,334	6,455	7,119	6,215
1910-1914.....	4,753	3,787	30,459	24,309	13.5	11,407	4,501	6,575	4,832
1914-1920 <sup>2</sup> .....	13,327	10,481	24,276	14,456	35.4	13,169	5,430	7,330	5,840
1913.....	5,241	3,954	32,732	25,173	13.8	12,666	4,796	7,831	4,835
1914.....	5,436	4,305	34,617	27,978	13.6	13,336	5,172	8,294	5,042
1915.....	6,830	5,567	28,202	18,326	19.5	11,678	4,241	6,445	5,233
1916.....	9,446	7,773	28,298	16,480	25.0	13,806	6,539	8,482	5,324
1917.....	10,898	8,942	25,623	14,784	29.8	13,951	6,796	7,827	6,124
1918.....	11,256	9,136	19,845	12,011	36.2	14,355	5,400	8,027	6,328
1918 (July-Dec.).....	5,747	4,595	10,366	5,054	35.7	8,916	2,704	5,259	3,657
1919.....	16,224	12,294	20,157	11,747	44.6	10,321	3,763	5,709	4,612
1920.....	26,225	19,822	25,306	15,565	50.9	12,573	5,852	5,894	6,679
1921.....	24,402	18,620	25,556	17,446	48.8	12,327	5,672	6,783	5,544
1922.....	23,633	20,308	28,068	22,911	45.7	13,490	6,178	8,105	5,385
1923.....	20,984	17,790	31,791	24,429	39.8	13,544	6,766	6,741	6,803
1924.....	22,462	18,267	32,264	24,136	41.0	13,565	6,335	7,166	6,399
1925.....	21,148	17,033	34,487	26,417	38.0	13,742	7,323	6,798	6,944
1926.....	21,091	17,103	42,668	28,010	33.1	13,174	7,131	5,799	7,375
1927.....	22,001	17,668	36,920	27,794	37.3	15,389	7,824	7,288	8,101

<sup>1</sup> Average for period July 1, 1915, to Dec. 31, 1920.    <sup>2</sup> Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.



**No. 472.—NET TONNAGE OF VESSELS CLEARED IN FOREIGN TRADE: By CLASSES**

[All figures except number of vessels and percentages in thousands of net tons. See headnote, Table 400]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Percent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881-1890.....	32, 159	16, 473	3, 450	13, 023	20. 9	13, 719	5, 363	8, 356	12, 795	924
1891-1900.....	31, 902	22, 463	5, 038	17, 425	22. 4	19, 021	3, 818	15, 203	17, 514	1, 507
1901-1905.....	33, 863	30, 551	6, 812	23, 739	22. 3	24, 633	2, 621	22, 012	22, 460	2, 173
1906-1910.....	33, 897	37, 192	8, 282	28, 910	22. 3	29, 156	1, 850	27, 306	26, 768	2, 388
1911-1915.....	38, 790	48, 015	12, 512	35, 503	26. 1	35, 955	1, 654	34, 301	32, 827	3, 128
1915-1920 <sup>1</sup> .....	42, 687	53, 647	23, 005	30, 643	42. 9	40, 137	2, 057	38, 080	34, 851	5, 285
1921-1925.....	40, 120	66, 653	29, 554	37, 099	44. 3	53, 578	984	52, 594	42, 233	11, 345
1910-1914.....	37, 883	46, 579	11, 590	34, 989	24. 9	34, 965	1, 620	33, 345	32, 024	2, 941
1914-1920 <sup>2</sup> .....	42, 141	52, 607	21, 529	31, 078	40. 9	39, 417	2, 010	37, 407	34, 394	5, 023
1913.....	43, 094	51, 152	13, 946	37, 206	27. 3	37, 566	1, 824	35, 742	34, 310	3, 256
1914.....	39, 650	53, 183	13, 740	39, 443	25. 8	39, 743	1, 574	38, 169	35, 935	3, 808
1915.....	39, 139	46, 885	13, 418	33, 467	28. 6	35, 458	1, 749	33, 709	31, 878	3, 580
1916.....	42, 136	52, 423	17, 902	34, 521	34. 1	38, 945	2, 310	36, 635	35, 203	3, 742
1917.....	43, 749	52, 077	19, 146	32, 931	36. 8	38, 094	2, 239	35, 855	34, 383	3, 711
1918.....	39, 893	46, 014	19, 206	26, 808	41. 7	31, 869	1, 925	29, 944	28, 125	3, 744
1918 (July-Dec.).....	22, 580	25, 472	11, 223	14, 249	44. 1	16, 112	1, 011	15, 101	13, 594	2, 518
1919.....	39, 974	51, 257	24, 992	26, 265	48. 8	40, 751	1, 819	38, 932	34, 689	6, 062
1920.....	46, 447	67, 817	34, 053	33, 764	50. 2	54, 980	2, 009	52, 971	45, 687	9, 293
1921.....	39, 553	62, 665	30, 181	32, 484	48. 2	50, 423	1, 218	49, 205	39, 985	10, 438
1922.....	39, 314	64, 839	31, 759	33, 080	49. 0	51, 799	1, 109	50, 690	39, 244	12, 555
1923.....	40, 256	66, 624	27, 932	38, 692	41. 9	53, 215	1, 035	52, 180	42, 398	10, 817
1924.....	41, 100	68, 910	30, 092	38, 818	43. 7	55, 294	810	54, 483	43, 787	11, 506
1925.....	40, 379	70, 229	27, 898	42, 421	39. 6	57, 160	746	56, 414	45, 750	11, 410
1926.....	43, 951	79, 041	28, 532	50, 509	36. 1	65, 583	566	65, 017	54, 237	11, 346
1927.....	43, 619	75, 440	29, 793	45, 647	39. 5	59, 759	526	59, 233	49, 419	10, 340

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881-1890.....	2, 978	2, 541	10, 741	10, 254	21. 7	2, 754	1, 778	472	2, 282
1891-1900.....	3, 644	2, 914	15, 377	14, 600	19. 2	3, 442	2, 129	1, 394	2, 048
1901-1905.....	4, 000	3, 284	20, 633	19, 176	16. 2	5, 918	3, 825	2, 812	3, 106
1906-1910.....	4, 084	3, 498	25, 072	23, 270	14. 0	8, 036	5, 673	4, 198	3, 838
1911-1915.....	5, 361	4, 522	30, 594	28, 306	14. 9	12, 060	8, 567	7, 161	4, 909
1915-1920 <sup>1</sup> .....	15, 455	11, 505	24, 681	23, 346	38. 5	13, 511	9, 637	7, 550	5, 962
1921-1925.....	22, 556	14, 977	31, 022	28, 067	42. 1	13, 075	9, 236	6, 998	6, 077
1910-1914.....	4, 778	4, 109	30, 187	27, 915	13. 7	11, 614	8, 380	6, 812	4, 802
1914-1920 <sup>2</sup> .....	14, 171	10, 611	25, 245	23, 783	36. 0	13, 190	9, 279	7, 358	5, 832
1913.....	5, 289	4, 517	32, 277	29, 798	14. 1	13, 586	10, 173	8, 657	4, 929
1914.....	5, 185	4, 466	34, 558	31, 469	13. 0	13, 440	9, 048	8, 555	4, 885
1915.....	7, 110	5, 092	28, 348	26, 186	20. 1	11, 427	7, 309	6, 308	5, 119
1916.....	9, 763	7, 720	29, 182	27, 483	25. 1	13, 478	8, 645	8, 139	5, 339
1917.....	11, 339	8, 805	26, 755	25, 578	29. 8	13, 983	9, 745	7, 807	6, 176
1918.....	11, 280	8, 491	20, 589	19, 634	35. 4	14, 145	10, 200	7, 926	6, 219
1918 (July-Dec.).....	5, 614	3, 537	10, 498	10, 057	34. 8	9, 360	7, 433	5, 609	3, 751
1919.....	19, 133	14, 539	21, 617	20, 150	47. 0	10, 506	7, 616	5, 858	4, 648
1920.....	27, 875	20, 188	27, 106	25, 499	50. 7	12, 837	9, 365	6, 179	6, 658
1921.....	23, 432	15, 215	26, 991	24, 770	46. 5	12, 242	8, 092	6, 749	5, 493
1922.....	23, 755	14, 743	28, 044	24, 501	45. 9	13, 040	9, 234	8, 004	5, 036
1923.....	21, 305	14, 584	31, 910	27, 814	40. 0	13, 409	9, 514	6, 627	6, 782
1924.....	22, 896	15, 397	32, 397	32, 398	41. 4	13, 616	9, 933	7, 195	6, 421
1925.....	21, 394	14, 948	35, 766	30, 802	37. 4	13, 068	8, 806	6, 414	6, 654
1926.....	22, 294	15, 838	43, 349	38, 399	33. 9	13, 458	9, 241	6, 298	7, 160
1927.....	22, 078	16, 524	37, 681	32, 895	36. 9	15, 682	10, 656	7, 716	7, 966

<sup>1</sup> Average for period July 1, 1915, to Dec. 31, 1920.    <sup>2</sup> Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

### No. 473.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEA-PORTS IN FOREIGN TRADE: BY COUNTRIES OF ORIGIN AND DESTINATION

[Note.—Only traffic by sea is included. First two columns cover years ended June 30, third column the period July 1, 1914, to Dec. 31, 1920, the others calendar years. For definition of net tonnage, see general note, p. 413.]

Country	1900-1909, average	1910-1914, average	1914-1920, average	1921-1924, average	1925	1926	1927
<b>Total by sea:</b>							
Entered.....	36,882,355	35,811,029	37,003,565	32,959,000	35,035,785	35,759,333	36,920,963
Cleared.....	36,905,544	34,864,750	39,416,610	33,678,331	37,100,193	35,853,330	36,795,790
<b>Belgium</b>							
Entered.....	905,114	954,825	392,237	1,231,418	1,427,861	1,865,051	1,000,391
Cleared.....	900,529	1,038,911	452,014	1,189,541	1,249,451	1,150,721	1,358,003
<b>Denmark</b>							
Entered.....	184,191	297,422	372,515	372,057	358,744	423,990	437,243
Cleared.....	352,083	304,828	498,274	449,859	581,780	615,022	622,638
<b>France</b>							
Entered.....	611,101	1,046,805	2,251,206	1,953,123	1,979,565	2,385,062	2,265,493
Cleared.....	1,061,978	1,452,516	3,344,586	2,250,143	2,244,788	2,399,479	2,390,070
<b>Germany</b>							
Entered.....	2,384,285	3,112,870	280,809	2,997,739	3,261,197	3,370,053	3,489,026
Cleared.....	2,772,096	3,474,414	297,847	3,164,564	3,383,817	3,149,570	3,597,364
<b>Italy</b>							
Entered.....	1,096,653	1,304,805	2,171,348	1,707,404	1,846,456	2,082,629	1,914,823
Cleared.....	1,003,205	1,661,994	2,498,862	1,966,163	1,946,936	2,368,723	1,835,693
<b>Netherlands</b>							
Entered.....	846,438	1,169,332	1,291,187	1,654,429	1,669,606	2,957,337	1,904,469
Cleared.....	1,205,848	1,520,939	1,459,433	1,463,696	1,344,182	1,496,132	1,611,551
<b>Norway</b>							
Entered.....		198,386	521,261	383,548	389,267	348,701	353,589
Cleared.....		159,332	830,314	411,890	344,745	421,664	356,500
<b>Spain</b>							
Entered.....	482,656	723,807	837,918	607,587	649,300	669,236	672,200
Cleared.....	264,715	337,478	499,624	463,436	454,217	503,745	617,800
<b>Sweden</b>							
Entered.....		68,259	240,022	508,697	500,818	577,790	679,152
Cleared.....		65,748	440,490	352,726	336,448	436,115	490,852
<b>United Kingdom</b>							
Entered.....	7,440,335	7,237,850	8,766,384	9,378,111	9,715,838	13,087,520	10,416,917
Cleared.....	7,152,975	7,161,763	8,164,112	8,646,765	9,733,262	14,575,038	9,705,379
<b>Canada</b>							
Atlantic coast							
Entered.....	1,355,122	1,478,628	1,092,164	1,200,621	1,344,302	1,309,356	1,452,012
Cleared.....	1,453,699	1,593,804	1,007,314	1,331,359	1,511,450	1,479,469	1,577,867
British Columbia							
Entered.....	1,507,697	2,539,190	3,117,484	4,570,748	5,874,036	5,710,718	5,686,792
Cleared.....	1,506,559	2,589,961	3,093,687	4,572,942	6,065,148	6,120,591	5,805,099
<b>Central America</b>							
Entered.....	799,399	1,878,675	1,534,781	1,734,445	1,970,134	2,080,956	2,409,548
Cleared.....	830,320	2,126,621	1,609,600	1,640,067	2,005,449	2,159,179	2,553,401
<b>Mexico</b>							
Entered.....	856,152	1,788,921	3,788,046	8,159,984	5,783,013	4,758,962	3,349,499
Cleared.....	745,331	1,847,324	3,726,641	8,391,496	5,962,122	4,904,831	3,145,294
<b>British West Indies and British Honduras</b>							
Entered.....	1,001,068	1,037,744	563,526	1,350,573	1,762,194	1,607,249	1,828,606
Cleared.....	982,008	1,181,262	642,410	1,435,038	1,884,337	1,860,762	2,038,256
<b>Cuba</b>							
Entered.....	2,017,626	3,030,300	3,460,068	4,768,644	5,308,223	5,014,504	5,475,564
Cleared.....	1,765,567	2,448,650	3,560,111	4,659,113	5,553,334	5,610,209	5,306,403
<b>Dominican Republic</b>							
Entered.....	111,256	178,548	345,166	379,754	450,714	516,576	616,135
Cleared.....	94,469	200,029	404,350	448,719	609,290	687,422	791,237
<b>Haiti</b>							
Entered.....	106,561	122,577	108,317	105,306	146,598	174,610	162,523
Cleared.....	80,963	124,052	166,072	229,742	209,284	195,373	180,888
<b>Argentina</b>							
Entered.....	207,453	792,095	633,318	1,005,742	854,82	1,229,879	1,160,859
Cleared.....	327,693	618,731	761,911	706,908	797,310	1,140,285	997,786
<b>Brazil</b>							
Entered.....	587,135	1,131,112	549,895	552,147	940,138	630,720	681,148
Cleared.....	253,129	557,819	840,558	912,818	1,030,503	1,567,891	1,094,297
<b>Chile</b>							
Entered.....	206,350	461,999	853,378	975,186	1,382,083	1,306,683	1,169,997
Cleared.....	137,661	327,311	797,180	792,678	1,055,591	896,412	1,036,092
<b>Colombia</b>							
Entered.....	194,733	198,838	230,999	143,577	138,215	51,338	791,574
Cleared.....	174,067	196,360	212,734	226,118	165,538	478,567	1,007,325
<b>British East Indies</b>							
Entered.....	238,496	328,512	347,096	575,721	728,890	782,214	807,614
Cleared.....	107,091	130,536	204,284	330,264	340,027	391,682	402,071

**No. 473.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: BY COUNTRIES OF ORIGIN AND DESTINATION—Contd.**

Country	1900-1909, average	1910-1914, average	1914-1920, average	1921-1925, average	1925	1926	1927
China, Hong Kong, and Kwantung:							
Entered.....	346,340	441,665	518,737	950,093	777,828	1,019,440	875,720
Cleared.....	388,609	390,999	478,916	963,062	801,896	897,710	846,128
Japan:							
Entered.....	440,982	646,123	733,313	1,607,075	1,612,329	2,148,587	2,263,789
Cleared.....	350,957	541,795	796,169	2,105,584	2,141,993	2,901,106	2,958,082
Philippine Islands:							
Entered.....	63,478	84,528	131,602	407,596	575,863	634,245	583,714
Cleared.....	93,228	144,212	123,859	358,979	534,711	498,765	484,376
British Australasia:							
Entered.....	255,845	237,536	379,006	508,826	616,719	822,674	865,986
Cleared.....	412,563	534,305	567,149	945,549	1,229,954	1,434,993	1,517,591
All other countries:							
Entered.....	2,116,918	2,725,114	2,093,963	3,164,896	3,570,589	4,989,414	4,965,948
Cleared.....	1,787,581	2,240,006	1,938,049	3,149,026	3,622,631	5,215,839	5,300,735

**No. 474.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: BY NATIONALITY OF VESSEL**

[NOTE.—Only traffic by sea and to and from foreign countries is included. The large trade with Canada on the Great Lakes and the St. Lawrence is handled about equally by vessels of the United States and of the British (Canadian) flag. See Tables 471 and 472 in which the columns for northern border represent the trade with Quebec and Ontario. See note, Table 473]

	1900-1909, average	1910-1914, average	1914-1920, average	1921-1925, average	1925	1926	1927
Total by sea:							
Entered.....	96,362,395	35,211,696	37,603,585	52,959,068	55,635,785	63,758,289	58,999,883
Cleared.....	96,906,544	34,984,750	39,416,610	53,578,231	57,160,193	65,563,280	59,768,780
American:							
Entered.....	4,044,412	4,752,954	13,327,146	22,525,865	21,148,611	21,091,546	22,000,529
Cleared.....	4,023,172	4,778,268	14,171,428	22,556,480	21,393,966	22,234,137	22,077,882
Total foreign:							
Entered.....	22,317,983	30,458,672	24,276,439	30,433,200	34,487,174	42,667,742	36,920,354
Cleared.....	22,182,372	30,186,492	25,245,181	31,021,751	35,766,207	43,349,143	37,680,898
Belgian:							
Entered.....	262,312	411,902	268,702	331,949	375,334	482,505	353,031
Cleared.....	268,740	404,081	282,817	343,073	380,136	464,050	351,482
British:							
Entered.....	13,564,274	17,900,596	14,167,931	16,807,042	18,569,463	22,833,731	18,819,736
Cleared.....	13,421,946	17,813,786	14,755,359	17,064,219	19,313,947	23,010,368	19,065,420
Danish:							
Entered.....	397,529	471,669	774,402	928,882	1,166,321	1,155,212	1,098,128
Cleared.....	398,319	449,665	794,549	928,109	1,165,185	1,174,601	1,105,540
Dutch:							
Entered.....	667,084	1,004,369	1,007,090	1,299,961	1,367,589	1,754,096	1,647,740
Cleared.....	661,128	1,006,723	1,054,716	1,291,771	1,375,675	1,747,753	1,650,349
French:							
Entered.....	636,346	996,944	875,994	1,492,063	1,604,181	1,743,796	1,768,182
Cleared.....	642,233	990,163	918,565	1,518,474	1,663,436	1,753,344	1,848,896
German:							
Entered.....	3,160,093	4,362,019	106,621	846,528	1,299,415	1,809,119	2,108,788
Cleared.....	3,170,666	4,299,756	78,581	869,712	1,440,152	1,884,796	2,185,221
Italian:							
Entered.....	541,839	821,490	1,210,969	1,489,770	1,909,947	2,759,490	1,979,080
Cleared.....	538,219	850,342	1,365,723	1,568,946	1,977,867	2,795,509	2,025,947
Japanese:							
Entered.....	126,624	352,761	1,099,373	2,058,921	2,266,265	2,284,726	2,439,304
Cleared.....	107,213	243,792	1,046,215	2,235,304	2,468,479	2,530,691	2,601,796
Norwegian:							
Entered.....	1,940,520	2,678,645	2,744,135	2,816,614	3,249,103	3,871,583	3,482,135
Cleared.....	1,946,408	2,683,968	2,822,314	2,783,678	3,256,231	3,978,828	3,516,600
Spanish:							
Entered.....	423,855	412,658	606,345	480,419	425,236	880,447	486,365
Cleared.....	420,234	397,948	637,293	486,514	414,593	881,487	520,556
Swedish:							
Entered.....	62,321	70,352	353,063	564,111	652,711	887,946	899,854
Cleared.....	64,779	69,598	366,814	565,805	635,874	906,556	936,341
All other foreign:							
Entered.....	535,186	975,267	1,061,794	1,316,739	1,601,609	2,205,091	1,838,011
Cleared.....	542,487	976,680	1,122,235	1,366,147	1,674,632	2,221,160	1,872,761

Source of Tables 473 and 474: Bureau of Foreign and Domestic Commerce.

**No. 475.—DOMESTIC EXPORTS AND IMPORTS OF MERCHANDISE: VALUE,  
METHOD OF CARRIAGE, AND NATIONALITY OF VESSEL**

[NOTE.—All figures in thousands of dollars. All data for calendar years]

	1914	1920	1922	1923	1924	1925	1926	1927
<b>Domestic exports</b>	<b>2,071,056</b>	<b>2,060,481</b>	<b>2,765,091</b>	<b>4,090,715</b>	<b>4,497,649</b>	<b>4,818,722</b>	<b>4,711,721</b>	<b>4,758,694</b>
<b>American vessels</b>	<b>186,926</b>	<b>3,116,440</b>	<b>1,248,736</b>	<b>1,344,010</b>	<b>1,514,802</b>	<b>1,458,199</b>	<b>1,387,814</b>	<b>1,410,987</b>
<b>Foreign vessels:</b>								
Belgian	7,763	78,370	25,369	20,727	37,442	37,792	36,163	33,569
British	1,011,691	2,587,813	1,147,027	1,247,523	1,321,242	1,423,507	1,340,361	1,333,326
Danish	(1)	71,841	53,348	57,414	88,164	94,960	81,107	94,650
Dutch	83,695	157,957	91,486	87,213	127,952	166,413	168,094	172,705
French	70,037	160,126	111,539	103,128	117,423	137,219	132,300	121,186
German	153,640	9,671	54,702	102,045	149,660	163,767	168,304	221,028
Italian	44,544	215,441	94,707	93,658	119,932	146,858	124,631	114,792
Japanese	23,957	206,870	158,416	159,506	167,638	173,205	163,492	144,140
Norwegian	89,821	236,696	132,739	123,857	128,603	172,324	177,310	197,300
Spanish	(1)	113,291	55,878	57,102	65,223	62,167	62,788	48,796
Swedish	(1)	54,074	34,051	43,097	51,430	53,698	73,542	78,932
All other	126,611	130,515	32,096	43,969	61,865	89,975	91,167	69,512
<b>Total foreign</b>	<b>1,516,869</b>	<b>4,028,671</b>	<b>1,991,348</b>	<b>2,140,236</b>	<b>2,436,394</b>	<b>2,721,804</b>	<b>2,619,229</b>	<b>2,629,915</b>
<b>Parcel post</b>					21,420	26,052	27,977	27,785
<b>Cars and other land vehicles</b>	<b>267,173</b>	<b>935,370</b>	<b>525,007</b>	<b>597,469</b>	<b>525,063</b>	<b>612,667</b>	<b>676,701</b>	<b>681,197</b>
<b>Imports</b>	<b>1,789,276</b>	<b>2,278,481</b>	<b>2,112,747</b>	<b>2,796,066</b>	<b>2,909,962</b>	<b>4,268,669</b>	<b>4,430,686</b>	<b>4,164,742</b>
<b>American vessels</b>	<b>216,199</b>	<b>1,967,861</b>	<b>921,054</b>	<b>1,039,844</b>	<b>1,011,686</b>	<b>1,151,242</b>	<b>1,194,906</b>	<b>1,214,827</b>
<b>Foreign vessels</b>								
Belgian	24,404	24,736	10,342	7,184	10,915	10,211	13,839	12,063
British	808,344	1,600,697	974,273	1,215,231	1,116,996	1,384,926	1,366,926	1,133,818
Danish	(1)	40,767	51,863	72,027	62,673	64,142	49,131	58,943
Dutch	90,840	187,478	99,564	107,556	98,898	122,278	151,499	141,600
French	82,945	141,181	140,112	146,786	138,302	147,809	160,865	151,833
German	161,613	14	27,755	69,187	73,482	85,945	139,517	162,508
Italian	39,796	60,618	45,264	59,861	60,057	70,063	78,483	75,639
Japanese	87,545	454,180	212,203	246,547	267,081	390,303	382,236	404,540
Norwegian	82,679	111,811	147,689	241,414	183,094	164,095	167,684	154,098
Spanish	(1)	36,148	11,220	19,163	16,884	15,896	29,923	20,897
Swedish	(1)	27,663	21,975	23,169	37,095	36,102	61,072	54,933
All other	77,410	57,959	40,764	53,548	69,459	82,624	104,635	75,826
<b>Total foreign</b>	<b>1,415,576</b>	<b>2,743,282</b>	<b>1,783,004</b>	<b>2,271,663</b>	<b>2,132,836</b>	<b>2,565,074</b>	<b>2,695,820</b>	<b>2,446,567</b>
<b>Parcel post</b>			96,375	107,656	107,189	125,133	129,161	111,501
<b>Cars and other land vehicles</b>	<b>157,501</b>	<b>547,368</b>	<b>310,314</b>	<b>372,908</b>	<b>358,251</b>	<b>385,140</b>	<b>410,912</b>	<b>411,846</b>

(1) Included in "All other"

Source: Bureau of Foreign and Domestic Commerce.

### No. 476.—EXPORTS (DOMESTIC AND FOREIGN) AND IMPORTS OF MERCHANDISE: VALUE, BY METHOD OF CARRIAGE

[NOTE —All figures except percentages expressed in millions of dollars. Figures cover fiscal years ended Sept. 30, 1830 and 1840, and June 30, 1850 to 1915, calendar years thereafter]

Yearly average or year	Exports (domestic and foreign)					Imports					Water borne—per cent in American vessels	
	Total	Total by water	In American vessels	In foreign vessels	By land vehicles <sup>1</sup>	Total	Total by water	In American vessels	In foreign vessels	By land vehicles <sup>1</sup>	Exports	Imports
1830 <sup>1</sup> .....	74	74	64	10	( <sup>2</sup> )	71	71	66	5	( <sup>3</sup> )	86.6	93.1
1840 <sup>1</sup> .....	132	132	106	27	( <sup>3</sup> )	107	107	93	14	( <sup>3</sup> )	80.0	87.6
1850 <sup>1</sup> .....	152	152	100	52	( <sup>3</sup> )	178	178	140	39	( <sup>3</sup> )	65.5	78.4
1860 <sup>1</sup> .....	400	400	279	121	( <sup>3</sup> )	362	362	228	134	( <sup>3</sup> )	70.0	63.0
1870 <sup>1</sup> .....	451	451	170	281	( <sup>3</sup> )	462	462	153	309	( <sup>3</sup> )	37.7	33.1
1871-1875 <sup>1</sup> .....	586	578	157	422	8	599	584	170	414	16	27.1	35.1
1876-1880 <sup>1</sup> .....	711	704	142	562	7	514	501	147	354	13	20.2	29.3
1881-1885.....	792	773	100	673	19	667	646	130	517	21	12.9	20.1
1886-1890.....	738	714	76	638	25	717	685	122	563	33	10.6	17.8
1891-1895.....	892	851	73	778	42	785	748	125	623	38	8.6	16.7
1896-1900.....	1,157	1,079	78	1,001	79	742	706	101	604	36	7.2	14.4
1901-1905.....	1,454	1,316	97	1,218	138	972	909	122	787	63	7.4	13.5
1906-1910.....	1,779	1,576	128	1,448	203	1,345	1,262	159	1,103	83	8.1	12.6
1911-1915.....	2,371	2,049	187	1,862	322	1,712	1,590	198	1,392	123	9.1	12.5
1915-1920 <sup>4</sup> .....	6,515	5,712	1,556	4,156	803	3,358	2,961	978	1,984	397	27.2	33.0
1921-1925.....	4,397	3,788	1,405	2,383	609	3,450	3,013	3,978	2,035	5,437	37.1	32.5
1916.....	5,483	4,820	665	4,155	663	2,392	2,157	532	1,625	234	13.8	24.7
1917.....	6,234	5,403	946	4,457	830	2,953	2,590	733	1,857	362	17.5	28.3
1918.....	6,149	5,226	986	4,240	923	3,031	2,577	717	1,860	454	18.9	27.8
1919.....	7,920	7,090	2,596	4,494	831	3,904	3,414	1,228	2,186	491	36.6	36.0
1920.....	8,228	7,252	3,165	4,087	976	5,279	4,731	1,988	2,743	548	43.6	42.0
1921.....	4,485	3,888	1,402	2,486	597	2,509	2,187	765	1,422	1,322	36.1	35.0
1922.....	3,832	3,281	1,261	2,020	551	3,113	2,704	921	1,783	409	38.4	34.1
1923.....	4,168	3,539	1,358	2,181	629	3,792	3,312	1,040	2,272	481	38.4	31.4
1924.....	4,591	4,010	1,532	2,478	1,581	3,610	3,145	1,012	2,133	466	38.2	32.1
1925.....	4,910	4,224	1,473	2,751	686	4,227	3,716	1,151	2,565	510	34.9	31.0
1926.....	4,809	4,050	1,401	2,649	731	4,431	3,891	1,195	2,696	540	34.6	30.7
1927.....	4,865	4,097	1,434	2,663	768	4,185	3,662	1,215	2,447	523	35.0	33.2

#### TOTAL WATER-BORNE EXPORTS AND IMPORTS COMBINED

Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels	Year	Total	In American vessels	In foreign vessels	Per cent in American vessels
1830 <sup>1</sup> .....	145	130	15	89.7	1916.....	6,977	1,197	5,780	17.2
1840 <sup>1</sup> .....	230	198	31	82.3	1917.....	7,994	1,679	6,315	21.0
1850 <sup>1</sup> .....	330	239	91	72.5	1918.....	7,803	1,703	6,100	21.8
1860 <sup>1</sup> .....	762	507	255	66.5	1919.....	10,504	3,824	6,680	36.4
1870 <sup>1</sup> .....	913	323	590	35.6	1920.....	11,983	5,153	6,830	43.0
1871-1875.....	1,162	326	835	30.6	1921.....	6,075	2,167	3,908	35.7
1876-1880.....	1,206	289	917	23.9	1922.....	5,985	2,183	3,803	36.5
1881-1885.....	1,419	229	1,190	16.2	1923.....	6,850	2,398	4,453	35.0
1886-1890.....	1,398	198	1,200	14.1	1924.....	7,155	2,544	4,611	35.7
1891-1895.....	1,596	198	1,400	12.4	1925.....	7,940	2,624	5,316	33.0
1896-1900.....	1,784	179	1,605	10.0	1926.....	7,941	2,596	5,345	34.0
1901-1905.....	2,236	220	2,005	9.9	1927.....	7,759	2,649	5,110	34.1
1906-1910.....	2,838	287	2,552	10.1					
1911-1915.....	3,639	385	3,254	10.6					
1915-1920 <sup>4</sup> .....	8,673	2,534	6,140	29.2					
1921-1925.....	6,801	2,383	4,418	35.0					

<sup>1</sup> Exports include parcel post beginning 1924; imports, beginning 1921.

<sup>2</sup> Includes gold and silver coin and bullion to 1879, inclusive.

<sup>3</sup> Included in American and foreign vessels.

<sup>4</sup> Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.



## 22.—FOREIGN COMMERCE OF THE UNITED STATES

[All statistics of foreign commerce in this section are compiled in the Bureau of Foreign and Domestic Commerce, Department of Commerce. As to the geographic area covered by these statistics, see head-note, Table 479]

### No. 477.—SUMMARY OF FOREIGN TRADE OF THE UNITED STATES

[NOTE.—Figures for 1911-1915 cover fiscal years; thereafter calendar years are shown]

[All figures in thousands of dollars]

	1911-1915 average	1915-1920 <sup>1</sup> average	1921-1925 average	1926	1927	1928	1929
<b>Merchandise</b>							
Exports (total).....	2,370,569	2,521,190	2,397,036	2,590,964	2,809,849	2,806,680	2,865,373
Domestic merchandise.....	2,331,648	2,476,513	2,310,221	2,497,649	2,618,722	2,611,721	2,758,964
Foreign merchandise.....	38,921	104,677	86,815	93,315	91,127	94,959	106,412
Imports (total).....	1,712,219	2,358,354	2,450,103	2,609,963	2,226,569	2,430,838	2,184,742
Free.....	961,439	2,256,608	2,080,303	2,080,090	2,031,269	2,033,411	2,021,874
Dutiable.....	750,780	1,099,747	1,369,800	1,529,867	1,195,300	1,397,427	1,162,868
Per cent free.....	56.1	67.3	59.7	57.6	62.7	64.4	62.6
Excess of exports.....	658,350	1,162,836	946,933	981,001	583,280	375,842	680,631
<b>Gold</b>							
Exports (total).....	83,173	233,248	62,739	61,648	368,840	115,708	201,456
Domestic.....	81,151	256,967	61,183	60,309	362,263	114,004	201,241
Foreign.....	2,022	7,281	1,556	1,339	377	1,704	214
Imports.....	66,989	368,022	347,459	219,731	126,273	212,604	207,586
Excess of exports (+) or imports (-).....	-2,796	-134,774	-284,720	-258,083	+242,567	-96,896	-6,130
<b>Silver</b>							
Exports (total).....	61,422	142,447	79,174	109,891	99,129	92,358	75,085
Domestic.....	59,864	127,414	52,662	91,160	81,803	74,568	60,315
Foreign.....	1,558	15,033	26,512	18,731	17,326	17,790	14,770
Imports.....	22,739	64,217	99,409	73,645	64,593	69,599	55,074
Excess of exports (+) or imports (-).....	+22,683	+78,230	-20,235	+36,246	+34,536	+22,759	+19,991
Excess of exports (+) or imports (-) of merchandise, gold and silver.....	+678,117	+1,028,062	+726,698	+744,915	+817,817	+278,946	+674,501
<b>Imports for consumption (total).....</b>	<b>1,698,089</b>	<b>2,286,839</b>	<b>2,422,748</b>	<b>2,576,111</b>	<b>2,176,218</b>	<b>2,406,076</b>	<b>2,162,099</b>
Entered for immediate consumption.....	1,518,447	2,075,220	2,060,279	2,152,600	2,002,322	2,048,615	2,019,856
Withdrawn from warehouse.....	179,642	211,619	362,469	423,511	173,896	357,461	142,243
Free.....	908,141	2,262,412	2,089,932	2,118,168	2,008,828	2,008,107	2,000,050
Dutiable.....	731,887	1,028,245	1,332,816	1,457,943	1,169,390	1,397,969	1,161,806
Per cent free.....	56.8	68.7	61.0	59.2	64.8	65.9	64.0
Duties calculated.....	283,408	227,035	478,911	532,289	551,853	590,045	574,840
Ratio of duties to total imports for consumption, per cent.....	16.6	9.9	13.9	14.8	13.2	13.4	13.1
Ratio to dutiable imports.....	38.7	22.0	35.9	36.6	37.6	39.4	38.7
Entered for warehouse.....	193,872	283,124	399,824	457,463	524,267	482,073	464,886
Remaining in warehouse, and of period.....	94,406	290,291	172,859	177,981	193,999	202,143	207,968

<sup>1</sup> Period July 1, 1915, to Dec. 31, 1920.



# No. 478.—MERCHANDISE TRADE OF CONTINENTAL UNITED STATES WITH FOREIGN COUNTRIES AND OUTLYING TERRITORIES AND POSSESSIONS

[IMPORTANT NOTE.—This table differs as to its geographic basis from all other foreign trade tables in this section and in other publications: (1) In the case of other tables the data represent the trade of the "customs area," which includes continental United States, Alaska, Hawaii, and Porto Rico, but not other outlying possessions. Consequently trade between continental United States and Alaska, Hawaii, and Porto Rico is not covered by the figures, while trade between these three Territories and foreign countries is so included. On the other hand, trade between continental United States (also Alaska, Hawaii, and Porto Rico) and the Philippine and Virgin Islands is covered, being treated as if it were trade with foreign countries. However, neither the trade between continental United States and Guam and American Samoa nor their trade with other countries, is covered. (2) The present table takes continental United States as the basis. In the totals trade between it and Alaska, Hawaii, and Porto Rico is included while their trade with foreign countries is excluded. Trade of continental United States with Guam and American Samoa is also included. Practically all other nations calculate their foreign trade in the manner followed in the present table; that is, totaling the trade of the home country with foreign countries and with all outlying areas. Prior to 1901 Alaska was our only outlying area. Therefore our foreign trade statistics for 1900 and earlier years very nearly represent the trade of continental United States with foreign countries. Data are for years ended June 30, through 1918; thereafter for years ended Dec. 31]

[All figures in thousands of dollars]

Yearly average or year	Exports <sup>1</sup>			Imports		
	Total	To foreign countries	To United States Territories and possessions	Total	From foreign countries	From United States Territories and possessions
1906-1910.....	1, 829, 286	1, 761, 625	67, 661	1, 410, 329	1, 324, 504	85, 734
1911-1915.....	2, 441, 254	2, 337, 591	103, 664	1, 811, 234	1, 681, 207	130, 027
1915-1920 <sup>2</sup> .....	6, 656, 126	6, 452, 539	203, 587	3, 596, 084	3, 274, 496	321, 588
1921-1925.....	4, 552, 455	4, 335, 341	217, 114	3, 650, 280	3, 351, 378	298, 902
1903.....	1, 447, 258	1, 410, 420	36, 838	1, 067, 420	1, 008, 531	58, 889
1904.....	1, 487, 934	1, 449, 840	38, 094	1, 031, 794	972, 663	59, 131
1905.....	1, 551, 657	1, 508, 137	43, 520	1, 173, 079	1, 097, 829	75, 250
1906.....	1, 784, 527	1, 732, 860	51, 667	1, 275, 189	1, 207, 507	67, 682
1907.....	1, 932, 794	1, 865, 544	67, 250	1, 488, 894	1, 414, 055	74, 839
1908.....	1, 907, 874	1, 842, 104	65, 770	1, 264, 301	1, 175, 572	88, 729
1909.....	1, 717, 172	1, 646, 784	70, 388	1, 384, 318	1, 294, 882	89, 436
1910.....	1, 804, 063	1, 720, 831	83, 232	1, 638, 942	1, 530, 956	107, 986
1911.....	2, 115, 186	2, 022, 874	92, 312	1, 607, 343	1, 499, 918	107, 425
1912.....	2, 278, 732	2, 172, 434	106, 298	1, 762, 351	1, 619, 428	142, 923
1913.....	2, 539, 837	2, 429, 962	109, 875	1, 909, 427	1, 780, 538	128, 889
1914.....	2, 434, 851	2, 327, 087	107, 764	1, 980, 228	1, 865, 197	115, 031
1915.....	2, 837, 666	2, 735, 597	102, 069	1, 796, 822	1, 640, 953	155, 869
1916.....	4, 420, 846	4, 302, 873	117, 973	2, 362, 645	2, 159, 598	203, 047
1917.....	6, 412, 069	6, 250, 649	161, 420	2, 856, 008	2, 603, 871	252, 137
1918.....	6, 054, 232	5, 857, 167	197, 065	3, 150, 128	2, 854, 047	296, 081
1918 (6 months).....	3, 222, 793	3, 138, 793	84, 000	1, 614, 762	1, 430, 878	183, 884
1919.....	8, 059, 279	7, 833, 823	225, 456	4, 125, 976	3, 821, 142	304, 834
1920.....	8, 439, 474	8, 105, 660	333, 814	5, 668, 942	5, 140, 192	528, 750
1921.....	4, 620, 537	4, 427, 556	192, 981	2, 672, 013	2, 438, 856	233, 157
1922.....	3, 963, 077	3, 780, 020	183, 057	3, 282, 296	3, 035, 381	246, 915
1923.....	4, 333, 730	4, 109, 344	224, 386	4, 010, 641	3, 697, 607	313, 034
1924.....	4, 761, 644	4, 521, 219	240, 425	3, 832, 148	3, 494, 159	337, 989
1925.....	5, 083, 287	4, 838, 565	244, 722	4, 455, 787	4, 090, 887	364, 900
1926.....	4, 991, 783	4, 729, 811	261, 972	4, 669, 318	4, 303, 302	366, 016
1927.....	5, 056, 964	4, 785, 482	271, 482	4, 421, 231	4, 047, 124	374, 107

<sup>1</sup> Exports include both domestic and foreign merchandise.

<sup>2</sup> Period July 1, 1915, to Dec. 31, 1920.

### No. 479.—INDEXES OF CHANGES IN QUANTITY, PRICE, AND VALUE OF IMPORTS AND DOMESTIC EXPORTS

[NOTE.—The purpose of these indexes is to eliminate the effect of price changes upon the total value of trade. They have been constructed by the so-called ideal formula, the essential feature of which is the use as weighting factors of the mean of the values of the several articles during each pair of years compared. For many commodities no quantitative data are available and for others the quantities lack significance because of variation in grades, size, and styles. About 180 commodities were included in the direct calculations for exports and 160 in those for imports, representing somewhat over two-thirds of the total value. It was then assumed that the prices of articles not directly covered had moved in parallel with those of articles covered save only that in making the adjustment the effect of abnormal price movements of heavily weighted commodities was first eliminated. In constructing the indexes data for 1919 were linked directly to 1913 and each subsequent year was compared with that preceding. The resulting percentages were made into a series by the chain method.]

Year	Domestic exports			Imports			Domestic price index
	Quantity	Price	Value	Quantity	Price	Value	
1913 taken as 100:							
1913	100	100	100	100	100	100	100
1910-1914 <sup>1</sup>	80	(?)	87	(?)	(?)	94	98
1921-1925	123	144	176	151	126	192	151
1919	143	228	317	135	174	218	200
1920	137	241	330	139	171	204	226
1921	120	150	179	120	117	140	146
1922	112	128	154	154	115	174	149
1923	115	146	167	161	122	212	154
1924	130	143	184	159	129	201	180
1925	137	144	197	166	142	236	189
1926	146	123	192	173	129	267	181
1927	156	124	194	180	130	233	147
1923-1925 taken as 100:							
1913	79	89	55	63	75	46	65
1910-1914 <sup>1</sup>	70	(?)	48	(?)	(?)	44	64
1921-1925	96	100	96	94	94	89	98
1919	112	155	173	73	120	101	124
1920	108	167	181	86	128	126	147
1921	94	104	98	75	87	65	95
1922	88	95	84	66	84	69	97
1923	90	101	92	100	98	98	100
1924	102	99	101	97	96	98	97
1925	106	100	106	106	106	100	106
1926	115	92	106	110	104	114	98
1927	124	86	107	112	95	106	95

<sup>1</sup> Fiscal years.

<sup>2</sup> Indexes not calculated for 1910-1914. The quantity index of exports is estimated by assuming that the relation of export prices in 1910-1914 to 1913 was the same as that for domestic prices.

### No. 480.—EXPORTS AND IMPORTS OF GOLD AND SILVER: BY MONTHS

[All figures in thousands of dollars]

Month	Gold						Silver					
	1916		1919		1927		1925		1926		1927	
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
January	73,526	5,038	3,087	19,351	14,800	59,355	11,385	7,338	9,763	5,763	7,388	4,151
February	50,000	3,003	3,351	23,416	2,414	22,309	6,333	4,929	7,752	8,863	6,233	3,549
March	26,104	7,337	4,225	43,413	5,625	16,382	7,917	6,651	8,333	5,589	6,077	4,308
April	21,604	8,870	17,864	13,116	2,592	14,503	9,322	4,945	7,612	6,323	6,824	3,815
May	13,390	11,393	9,343	2,935	2,510	34,212	6,536	3,390	7,931	4,672	6,026	5,063
June	6,713	4,426	3,846	18,890	1,840	14,611	8,523	4,919	7,978	5,628	5,444	4,790
July	4,416	10,204	5,070	19,820	1,803	10,738	8,340	5,238	7,921	5,942	6,650	4,268
August	2,136	4,862	29,743	11,979	1,524	7,877	8,265	7,273	8,041	5,969	5,560	4,856
September	6,784	4,128	23,081	15,987	24,444	12,979	7,487	4,504	7,243	7,203	6,627	4,992
October	28,039	50,741	1,156	8,857	10,696	2,056	8,783	5,602	7,279	5,066	5,945	5,069
November	24,300	10,456	7,727	16,738	35,206	2,063	8,118	4,040	6,794	3,941	5,634	5,102
December	5,996	7,216	7,196	17,004	77,849	10,431	7,590	5,747	5,610	4,430	7,186	3,776

No. 481.—EXPORTS (DOMESTIC AND FOREIGN) AND IMPORTS OF  
MERCHANDISE: BY MONTHS

[All figures in millions and tenths of millions of dollars]

Month	1901		1902		1903		1904		1905		1906	
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
January.....	136.3	69.8	129.1	79.1	134.0	85.2	142.0	82.6	123.6	98.3	170.6	106.5
February.....	113.0	64.5	101.6	68.4	125.6	82.6	118.8	89.0	106.9	103.1	141.8	104.2
March.....	124.5	75.9	106.7	84.2	132.1	96.2	119.9	91.3	137.0	110.4	145.5	113.6
April.....	120.8	76.7	109.2	75.8	109.8	87.7	109.9	83.5	128.6	95.1	144.4	107.3
May.....	124.6	78.6	102.3	75.7	100.9	79.0	89.9	80.7	123.8	92.5	130.5	104.9
June.....	102.8	68.4	89.2	73.1	95.2	82.0	93.2	81.2	121.2	90.4	125.0	100.8
July.....	109.5	73.1	88.8	79.1	91.8	82.2	85.2	71.2	107.9	84.5	111.7	102.6
August.....	108.0	73.1	94.9	78.9	89.4	82.0	92.3	87.7	117.7	95.8	129.8	105.7
September.....	107.0	66.8	121.2	87.7	110.4	81.8	134.3	84.1	136.0	102.0	138.5	102.6
October.....	145.7	81.4	144.3	87.4	160.4	81.9	162.5	92.8	154.4	107.4	187.4	118.1
November.....	136.5	72.6	125.2	85.4	160.3	77.0	158.1	95.2	170.3	98.3	182.7	119.8
December.....	136.9	79.9	148.0	94.4	174.8	77.8	145.3	96.6	199.7	101.1	190.4	134.3
Month	1907		1908		1909		1910		1911		1912	
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
January.....	189.3	126.6	206.1	85.0	156.7	103.6	144.5	133.7	197.1	130.6	202.4	143.6
February.....	159.5	123.0	167.8	84.8	126.1	118.7	124.6	130.1	176.0	121.7	198.8	134.2
March.....	161.7	133.1	141.6	89.1	139.3	132.9	143.7	163.0	161.9	139.0	206.4	157.6
April.....	157.5	129.6	133.4	87.4	125.2	122.2	133.1	133.9	158.0	119.8	179.3	162.6
May.....	134.8	126.5	113.6	84.0	123.3	116.1	131.1	118.8	153.2	129.8	175.4	155.7
June.....	137.7	112.5	115.4	92.1	117.4	124.7	127.9	119.9	141.7	122.8	138.2	131.0
July.....	128.5	124.6	103.2	86.4	109.3	112.5	114.6	117.3	127.7	118.1	148.9	148.7
August.....	127.3	125.8	110.4	91.2	109.8	117.1	134.7	138.4	144.2	125.9	167.8	154.8
September.....	135.3	106.4	139.3	98.4	154.0	121.0	168.9	117.3	195.8	125.2	199.7	144.8
October.....	180.3	111.9	172.0	102.0	200.7	127.7	207.7	124.0	210.4	132.6	254.6	178.0
November.....	204.5	110.9	161.3	103.9	194.0	140.5	206.6	129.8	201.8	126.2	278.2	153.1
December.....	207.1	92.2	188.8	111.9	172.5	138.7	229.0	136.7	224.9	140.7	250.3	154.1
Month	1913		1914		1915		1916		1917		1918	
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
January.....	227.0	163.1	204.1	154.7	267.9	122.1	330.0	184.4	613.3	241.8	504.8	233.9
February.....	194.0	149.9	173.9	148.0	299.8	125.1	401.8	193.9	467.6	199.5	411.4	207.7
March.....	187.4	155.4	187.5	182.6	296.6	158.0	410.7	213.6	554.0	270.3	522.9	242.2
April.....	199.8	146.2	162.6	173.8	294.7	160.6	398.6	218.2	529.9	253.9	500.4	279.0
May.....	194.6	133.7	161.7	164.3	274.2	142.3	474.8	229.2	549.7	280.7	550.9	322.9
June.....	163.4	131.2	157.1	157.5	268.5	157.7	464.7	245.8	573.5	306.6	483.8	260.4
July.....	161.0	139.1	154.1	159.7	268.5	143.2	444.7	182.7	372.8	225.8	507.5	241.9
August.....	187.9	137.7	110.4	129.8	260.6	141.8	510.2	199.3	488.7	267.9	527.0	273.0
September.....	218.2	171.1	156.1	139.7	300.7	151.2	514.9	164.0	454.5	236.2	550.4	261.7
October.....	271.9	132.9	194.7	138.1	336.2	149.2	492.8	178.7	542.1	221.2	501.9	246.8
November.....	245.5	148.2	205.9	126.5	327.7	155.5	516.2	177.0	487.3	220.5	522.2	251.0
December.....	233.2	184.0	245.6	114.7	359.3	171.8	523.2	204.8	600.1	227.9	565.9	210.9
Month	1919		1920		1921		1922		1923		1924	
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
January.....	622.0	213.0	722.1	473.8	654.3	208.8	278.8	217.2	335.4	329.3	395.2	295.5
February.....	585.1	235.1	645.1	467.4	486.5	214.5	250.6	215.7	307.0	303.4	365.8	332.3
March.....	603.1	267.6	819.6	523.9	386.7	252.0	330.0	256.2	341.4	398.0	339.8	320.5
April.....	714.8	273.0	684.3	495.7	340.5	254.6	318.5	217.0	325.5	364.3	346.9	324.3
May.....	604.0	328.9	745.5	431.0	329.7	204.9	307.6	252.8	316.4	372.5	335.1	303.0
June.....	928.4	292.9	629.4	552.6	336.9	185.7	335.1	260.5	320.0	320.2	207.0	274.0
July.....	568.7	343.7	651.1	537.1	325.2	178.2	301.2	251.8	302.2	287.4	276.6	278.6
August.....	646.1	307.3	578.2	513.1	366.9	194.8	301.8	281.4	311.0	275.4	330.7	254.5
September.....	595.2	435.4	604.7	363.3	324.9	179.3	313.2	229.5	381.4	253.6	427.5	287.1
October.....	631.6	401.8	751.2	333.2	343.3	188.0	370.7	345.1	399.2	308.3	527.2	310.8
November.....	740.0	424.8	676.5	321.2	294.1	210.9	380.0	291.8	401.5	291.3	493.6	296.1
December.....	681.4	380.7	720.3	266.1	296.2	237.5	344.3	293.8	426.7	288.3	445.7	333.2
Month	1925		1926		1927		1928					
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports				
January.....	446.4	346.2	396.8	416.8	419.4	356.8	410.8	337.9				
February.....	370.7	333.4	352.9	387.3	372.4	310.9	371.4	351.0				
March.....	453.7	385.4	374.4	442.9	409.0	378.3	420.7	380.4				
April.....	398.3	346.1	388.0	397.9	415.4	375.7	364.1	345.2				
May.....	370.9	327.5	356.7	320.9	393.1	346.5	421.7	354.7				
June.....	323.3	325.2	338.0	336.3	357.0	354.9	388.8	315.1				
July.....	339.7	325.6	368.3	339.0	341.8	319.3						
August.....	379.8	340.1	384.4	336.5	374.8	368.9						
September.....	420.4	350.0	448.1	343.2	425.3	342.2						
October.....	490.6	374.1	455.3	376.9	488.7	355.7						
November.....	447.8	376.4	480.3	373.9	460.9	344.3						
December.....	468.3	396.6	465.4	359.5	407.6	331.2						

## No. 482.—EXPORTS AND IMPORTS OF MERCHANDISE

[Note.—All figures in thousands of dollars. Specie values. Figures are for fiscal years ended Sept. 30, 1790 to 1842, and June 30, 1843 to 1915, subsequently for calendar years. For calendar years 1901-1915 and fiscal years 1916-1927, see supplemental Table 484. For total exports and total imports by years prior to 1893, see Table 485. Figures include gold and silver prior to 1821. In the years 1922-1927, much of the wheat and carpet wool imported was originally entered as dutiable, but later was classified as free. Consequently, imports for consumption, Table 487, show a smaller value for dutiable imports and a larger value for free imports than do statistics of general imports.]

Yearly average or year	Exports			Imports			Total exports and imports	Excess of exports (+) or imports (-)
	Total	Domestic	Foreign	Total	Free	Dutiable		
1790-1800	44,359			55,895			100,254	-11,536
1801-1810	74,532			92,766			167,298	-18,234
1811-1820	58,989			80,812			139,801	-21,823
1821-1830	69,421	53,221	16,200	72,949	4,215	68,734	142,370	-3,528
1831-1840	103,550	88,168	15,382	119,520	45,478	74,042	223,070	-15,970
1841-1850 <sup>1</sup>	122,620	114,894	7,727	121,128	23,246	97,877	243,743	+1,499
1851-1860	248,887	232,283	16,604	284,475	44,730	239,745	533,362	-35,588
1861-1865	187,811	170,198	17,613	256,439	48,948	207,491	443,250	-67,639
1866-1870	320,842	307,696	13,146	408,296	27,828	380,467	729,137	-87,453
1871-1875	501,841	486,126	15,715	577,873	106,286	471,587	1,079,714	-76,082
1876-1880	676,761	663,650	13,111	492,570	154,663	337,887	1,169,331	+184,191
1881-1885	791,892	774,607	17,285	667,142	304,735	462,407	1,459,034	+124,750
1886-1890	738,379	725,685	12,694	717,231	342,621	474,710	1,455,610	+21,348
1891-1895	892,421	876,326	16,095	785,137	402,363	382,774	1,677,558	+107,284
1896-1900	1,157,318	1,136,039	21,279	741,519	342,125	399,394	1,898,837	+415,799
1901-1905	1,453,808	1,427,020	26,788	973,162	426,836	546,326	2,425,965	+481,841
1906-1910	1,778,697	1,750,980	27,717	1,344,838	614,825	730,013	3,123,535	+433,859
1911-1915	2,370,539	2,331,648	38,891	1,712,319	961,439	750,880	4,082,858	+668,230
1915-1920 <sup>2</sup>	6,521,190	6,416,513	104,677	3,358,354	2,258,608	1,099,747	9,879,545	+3,162,836
1921-1925	4,397,028	4,310,221	86,806	2,460,108	2,060,303	1,399,800	7,847,129	+946,824
1883	823,839	804,223	19,616	723,181	207,505	515,676	1,547,020	+100,698
1884	740,514	724,965	15,549	667,098	209,884	457,214	1,408,212	+72,816
1885	742,190	726,688	15,502	577,627	192,213	385,414	1,319,717	+164,663
1886	679,525	665,965	13,560	635,436	212,159	423,277	1,314,961	+44,089
1887	716,183	703,023	13,160	692,320	234,221	458,099	1,408,508	+23,863
1888	696,955	683,862	12,093	728,957	244,072	474,885	1,419,912	-28,002
1889	742,401	730,282	12,119	745,132	256,487	488,645	1,487,533	-2,731
1890	857,829	845,294	12,535	789,310	265,668	523,642	1,647,139	+68,519
1891	884,481	872,270	12,211	844,916	306,241	478,675	1,729,397	+39,565
1892	1,080,278	1,015,732	14,546	827,402	457,999	369,403	1,857,680	+202,876
1893	847,665	831,031	16,634	866,401	444,544	421,857	1,714,066	-18,736
1894	892,141	889,206	22,936	654,965	379,796	275,169	1,547,136	+237,146
1895	907,528	793,293	14,145	731,970	363,234	368,736	1,539,508	+75,588
1896	882,607	863,201	19,406	779,725	369,756	409,967	1,662,332	+102,682
1897	1,060,994	1,032,008	18,986	764,730	381,938	382,792	1,815,724	+286,264
1898	1,231,482	1,210,292	21,190	616,060	291,414	324,646	1,847,522	+615,432
1899	1,227,023	1,203,931	23,092	697,148	300,280	396,868	1,924,171	+529,875
1900	1,394,483	1,370,764	23,719	846,941	367,257	479,704	2,244,424	+544,542
1901	1,487,765	1,460,463	27,302	823,172	339,809	483,363	2,310,937	+664,593
1902	1,381,719	1,355,482	26,237	823,172	396,819	426,353	2,285,040	+478,398
1903	1,420,142	1,392,282	27,860	1,025,719	426,181	599,538	2,445,861	+394,423
1904	1,460,827	1,435,179	25,648	991,087	454,130	536,957	2,451,914	+469,740
1905	1,518,562	1,491,745	26,817	1,117,519	517,442	600,071	2,636,075	+401,049
1906	1,743,865	1,717,964	25,901	1,226,562	649,824	576,738	2,970,427	+517,308
1907	1,890,851	1,853,718	27,133	1,434,421	644,080	790,391	3,315,272	+446,430
1908	1,860,773	1,834,786	25,987	1,194,342	523,003	669,739	3,055,115	+666,431
1909	1,663,011	1,638,366	24,645	1,311,920	599,557	712,363	2,974,931	+351,091
1910	1,744,985	1,710,084	34,901	1,556,947	755,311	801,636	3,301,932	+189,089
1911	2,049,320	2,013,549	35,771	1,527,226	776,972	750,254	3,576,546	+522,094
1912	2,204,322	2,170,320	34,002	1,653,265	881,671	771,594	3,857,587	+551,067
1913	2,465,884	2,428,506	37,378	1,813,008	987,624	825,384	4,278,992	+652,876
1914	2,364,579	2,329,684	34,895	1,893,936	1,127,503	766,433	4,256,505	+470,633
1915	2,768,589	2,716,178	52,411	1,674,170	1,023,627	650,543	4,442,759	+1,094,419
1915 (6 mos.)	1,852,863	1,820,398	32,470	912,787	626,837	285,950	2,765,650	+940,076
1916	5,482,641	5,422,642	59,999	2,391,635	1,611,887	779,748	7,874,276	+3,091,008
1917	6,233,513	6,169,617	63,896	2,962,468	2,135,552	826,916	9,185,981	+3,281,045
1918	6,149,088	6,047,875	101,213	2,931,213	2,230,353	700,860	9,180,301	+3,117,875
1919	7,920,426	7,749,816	170,610	3,904,365	2,698,703	1,205,662	11,824,791	+4,016,061
1920	8,228,016	8,080,481	147,535	5,278,481	3,117,010	2,161,471	13,506,497	+2,949,535
1921	4,483,081	4,378,928	104,153	2,509,148	1,562,292	946,856	6,994,179	+1,975,883
1922	3,831,777	3,765,091	66,686	3,112,747	1,871,917	1,240,830	6,944,524	+719,030
1923	4,167,493	4,090,715	76,778	3,792,066	2,135,942	1,656,124	7,959,559	+375,427
1924	4,590,964	4,497,649	93,315	3,809,963	2,080,096	1,729,867	8,200,947	+681,021
1925	4,909,848	4,818,723	91,125	4,236,589	2,651,266	1,585,323	9,126,487	+683,258
1926	4,808,660	4,711,721	96,939	4,236,589	2,863,411	1,373,178	9,230,548	+377,772
1927	4,866,375	4,766,864	100,512	4,184,742	2,621,874	1,562,868	9,060,117	+690,633

<sup>1</sup> Period beginning Oct. 1, 1841, and ending June 30, 1850.<sup>2</sup> Period July 1, 1915, to Dec. 31, 1920.

# No. 483.—EXPORTS AND IMPORTS OF GOLD, SILVER, AND OF MERCHANDISE, GOLD, AND SILVER COMBINED

[NOTE.—All figures in thousands of dollars. As to periods covered see headnote, Table 482. Figures for gold and silver relate to coin and bullion only prior to 1895; subsequently they include ore also. See also Table 484]

Yearly average or year	Gold			Silver			Total merchandise, gold, and silver		
	Exports	Imports	Excess of ex-ports (+) or im-ports (-)	Ex-ports	Im-ports	Excess of ex-ports (+) or im-ports (-)	Exports	Imports	Excess of ex-ports (+) or im-ports (-)
1821-1830							76, 575	79, 863	-3, 288
1831-1840	2, 154	3, 394	-1, 240	3, 530	7, 353	-3, 823	109, 234	130, 268	-21, 034
1841-1850 <sup>1</sup>	3, 222	5, 463	-2, 241	3, 445	3, 443	+2	129, 288	130, 029	-741
1851-1860	46, 372	3, 762	+42, 610	3, 130	3, 988	-858	298, 399	292, 226	+6, 173
1861-1865	56, 814	15, 881	+40, 933	3, 961	3, 172	+789	248, 586	274, 492	-25, 906
1866-1870	50, 452	12, 030	+38, 422	20, 746	6, 608	+14, 138	392, 040	426, 932	-34, 892
1871-1875	52, 423	11, 497	+40, 926	31, 915	9, 673	+22, 242	586, 179	599, 043	-12, 864
1876-1880	15, 040	26, 790	-11, 750	22, 670	13, 182	+9, 488	714, 470	532, 542	+181, 928
1881-1885	19, 263	40, 333	-21, 070	22, 739	12, 108	+10, 631	833, 894	719, 583	+114, 311
1886-1890	29, 651	26, 163	+3, 488	31, 082	18, 045	+13, 037	799, 112	761, 439	+37, 673
1891-1895	77, 737	39, 588	+38, 149	38, 777	18, 935	+19, 842	1, 008, 935	843, 659	+165, 276
1896-1900	50, 793	74, 492	-23, 699	58, 125	31, 234	+26, 891	1, 266, 236	847, 245	+418, 991
1901-1905	64, 580	63, 152	+1, 428	51, 318	28, 807	+22, 511	1, 569, 701	1, 064, 122	+505, 579
1906-1910	74, 500	89, 283	-14, 783	58, 300	44, 244	+14, 056	1, 911, 497	1, 478, 365	+433, 132
1911-1915	83, 173	85, 969	-2, 796	61, 432	38, 739	+22, 693	2, 515, 144	1, 837, 027	+678, 117
1915-1920 <sup>2</sup>	233, 248	382, 022	-148, 773	143, 447	64, 217	+79, 231	6, 897, 886	3, 804, 593	+3, 093, 293
1921-1925	82, 739	347, 425	-264, 686	79, 174	69, 409	+9, 765	4, 558, 940	3, 866, 937	+692, 003
1883	11, 601	17, 734	-6, 133	20, 219	10, 755	+9, 464	855, 660	751, 670	+103, 990
1884	41, 082	22, 831	+18, 251	26, 051	14, 595	+11, 456	807, 647	705, 124	+102, 523
1885	8, 478	26, 692	-18, 214	33, 754	16, 551	+17, 203	784, 421	620, 770	+163, 651
1886	42, 952	20, 743	+22, 209	29, 511	17, 850	+11, 661	751, 988	674, 030	+77, 958
1887	9, 701	42, 911	-33, 210	26, 297	17, 260	+9, 037	752, 181	752, 491	-310
1888	18, 376	43, 934	-25, 558	28, 038	15, 404	+12, 634	742, 369	783, 295	-40, 926
1889	59, 952	10, 285	+49, 667	36, 689	18, 678	+18, 011	839, 043	774, 095	+64, 948
1890	17, 274	12, 943	+4, 331	34, 874	21, 033	+13, 841	909, 977	823, 287	+86, 690
1891	86, 363	18, 233	+68, 130	22, 591	18, 027	+4, 564	993, 434	881, 176	+112, 258
1892	50, 195	49, 699	+496	32, 811	19, 955	+12, 856	1, 113, 284	897, 057	+216, 227
1893	108, 681	21, 174	+87, 507	40, 737	23, 193	+17, 544	997, 083	910, 769	+86, 314
1894	76, 978	72, 449	+4, 529	50, 451	13, 287	+37, 164	1, 019, 570	740, 730	+278, 840
1895	66, 468	36, 385	+30, 083	47, 295	20, 211	+27, 084	921, 302	788, 566	+132, 736
1896	112, 410	33, 525	+78, 885	60, 542	28, 777	+31, 765	1, 055, 559	842, 027	+213, 532
1897	40, 362	85, 015	-44, 653	61, 947	30, 533	+31, 414	1, 153, 302	880, 278	+273, 024
1898	15, 406	120, 392	-104, 986	55, 105	30, 928	+24, 177	1, 301, 994	767, 369	+534, 625
1899	37, 522	88, 955	-51, 433	56, 319	30, 675	+25, 644	1, 320, 864	816, 778	+504, 086
1900	48, 267	44, 573	+3, 694	56, 712	35, 256	+21, 456	1, 499, 462	929, 771	+569, 691
1901	53, 185	66, 051	-12, 866	64, 285	36, 387	+27, 898	1, 605, 235	925, 610	+679, 625
1902	48, 569	52, 021	-3, 452	49, 732	28, 232	+21, 500	1, 480, 021	983, 574	+496, 447
1903	47, 091	44, 982	+2, 109	44, 250	24, 163	+20, 087	1, 511, 483	1, 094, 865	+416, 618
1904	81, 460	99, 055	-17, 595	49, 473	27, 769	+21, 704	1, 591, 760	1, 117, 912	+473, 848
1905	92, 594	53, 649	+38, 945	48, 849	27, 485	+21, 364	1, 660, 005	1, 198, 647	+461, 358
1906	38, 574	96, 222	-57, 648	65, 869	44, 443	+21, 426	1, 848, 307	1, 367, 227	+481, 080
1907	51, 399	114, 510	-63, 111	56, 739	42, 947	+13, 792	1, 968, 989	1, 591, 878	+397, 111
1908	72, 433	148, 337	-75, 904	57, 921	44, 658	+13, 263	1, 991, 127	1, 387, 337	+603, 790
1909	91, 532	44, 004	+47, 528	55, 683	43, 955	+11, 728	1, 810, 226	1, 399, 879	+410, 347
1910	118, 563	43, 340	+75, 223	55, 287	45, 217	+10, 070	1, 918, 835	1, 645, 505	+273, 330
1911	22, 510	73, 607	-51, 097	64, 750	45, 937	+18, 813	2, 136, 580	1, 646, 770	+489, 810
1912	57, 328	48, 937	+8, 391	64, 891	47, 050	+17, 841	2, 326, 541	1, 749, 252	+577, 289
1913	77, 763	69, 194	+8, 569	71, 614	41, 269	+30, 345	2, 615, 261	1, 923, 471	+691, 790
1914	112, 039	66, 539	+45, 500	54, 965	30, 327	+24, 638	2, 531, 583	1, 990, 791	+540, 792
1915	146, 224	171, 569	-25, 345	50, 942	29, 110	+21, 832	2, 905, 756	1, 874, 849	+1, 030, 907
1915 (6 mos.)	23, 843	307, 030	-283, 187	28, 750	18, 742	+10, 008	1, 905, 456	1, 238, 559	+666, 897
1916	155, 793	685, 990	-530, 197	70, 595	32, 263	+38, 332	5, 709, 029	3, 109, 889	+2, 599, 140
1917	371, 884	552, 454	-180, 570	84, 131	53, 340	+30, 791	6, 689, 527	3, 558, 263	+3, 131, 264
1918	41, 070	62, 043	-20, 973	252, 846	71, 376	+181, 470	6, 443, 004	3, 164, 631	+3, 278, 373
1919	368, 185	76, 534	+291, 651	239, 021	89, 410	+149, 611	8, 527, 632	4, 070, 309	+4, 457, 323
1920	322, 091	417, 068	-94, 977	113, 616	88, 060	+25, 556	8, 663, 724	5, 783, 610	+2, 880, 114
1921	23, 891	691, 248	-667, 357	51, 575	63, 243	-11, 668	4, 560, 497	3, 263, 639	+1, 296, 858
1922	36, 875	275, 170	-238, 295	62, 807	70, 807	-7, 999	3, 931, 459	3, 458, 724	+472, 735
1923	28, 643	322, 716	-294, 073	72, 469	74, 454	-1, 985	4, 268, 605	4, 189, 236	+79, 369
1924	61, 648	319, 721	-258, 073	109, 891	73, 945	-35, 946	4, 762, 523	4, 003, 628	+758, 895
1925	262, 640	128, 272	+134, 367	99, 128	64, 596	+34, 532	5, 271, 615	4, 419, 458	+852, 157
1926	115, 708	213, 504	-97, 796	92, 258	69, 596	+22, 662	5, 016, 626	4, 713, 988	+302, 638
1927	201, 455	207, 535	-6, 080	75, 625	55, 074	+20, 551	5, 142, 455	4, 447, 351	+695, 104

<sup>1</sup> Period beginning Oct. 1, 1841, and ending June 30, 1850.

<sup>2</sup> Period July 1, 1915, to Dec. 31, 1920.



**No. 484.—SUPPLEMENT TO TABLES 482 AND 483: DATA FOR CALENDAR YEARS, 1901 TO 1915, AND FOR FISCAL YEARS ENDED JUNE 30, 1916 TO 1927**

[All figures in thousands of dollars]

Year	Merchandise						Total exports and imports	Excess of exports (+) or imports (-)
	Exports			Imports				
	Total	Domestic	Foreign	Total	Free	Dutiable		
1901.....	1,465,376	1,438,079	27,297	880,420	381,513	498,907	2,345,796	+584,956
1902.....	1,360,686	1,333,269	27,418	969,317	408,640	560,677	2,330,003	+391,369
1903.....	1,484,753	1,457,647	27,106	995,494	437,430	558,064	2,480,247	+489,289
1904.....	1,451,319	1,425,711	25,608	1,035,909	490,617	545,292	2,487,228	+415,410
1905.....	1,626,991	1,599,423	27,568	1,179,145	530,464	648,681	2,806,136	+447,846
1906.....	1,798,243	1,772,716	25,527	1,320,502	591,745	728,757	3,118,745	+477,742
1907.....	1,923,426	1,895,356	28,070	1,423,170	636,142	787,028	3,346,596	+500,256
1908.....	1,752,835	1,728,670	24,165	1,116,374	504,644	611,730	2,869,209	+636,461
1909.....	1,728,199	1,700,722	27,477	1,475,521	699,715	775,806	3,203,720	+252,678
1910.....	1,866,269	1,829,023	37,236	1,562,904	769,427	793,477	3,429,163	+303,355
1911.....	2,092,527	2,058,413	34,114	1,532,359	794,444	737,915	3,624,886	+560,168
1912.....	2,399,218	2,362,696	36,522	1,818,073	992,344	825,729	4,217,291	+581,145
1913.....	2,484,018	2,448,284	35,734	1,792,596	991,851	800,745	4,276,614	+691,422
1914.....	2,113,624	2,071,058	42,566	1,789,276	1,097,938	691,338	3,902,900	+324,348
1915.....	3,554,671	3,493,231	61,440	1,778,597	1,167,429	611,168	5,333,268	+1,776,074
1916.....	4,333,483	4,272,178	61,305	2,197,884	1,492,648	705,236	6,531,367	+2,135,599
1917.....	6,290,048	6,227,164	62,884	2,659,355	1,848,840	810,515	8,949,403	+3,630,693
1918.....	5,919,711	5,838,652	81,059	2,945,655	2,118,599	827,056	8,865,366	+2,974,056
1919.....	7,232,283	7,081,462	150,821	3,095,720	2,230,223	865,497	10,328,003	+4,136,563
1920.....	8,108,989	7,949,309	159,680	5,238,352	3,405,233	1,833,119	13,347,341	+2,870,637
1921.....	6,516,510	6,385,884	130,626	3,654,459	2,137,440	1,517,019	10,170,969	+2,862,051
1922.....	3,771,156	3,699,909	71,247	2,608,079	1,598,889	1,009,190	6,379,235	+1,163,077
1923.....	3,956,783	3,886,682	70,051	3,780,959	2,168,373	1,612,586	7,737,692	+175,774
1924.....	4,311,656	4,223,973	87,683	3,554,037	2,019,367	1,534,670	7,865,693	+757,619
1925.....	4,864,580	4,778,154	86,426	3,824,128	2,295,500	1,528,628	8,688,708	+1,040,452
1926.....	4,763,382	4,653,148	100,234	4,464,872	2,910,416	1,554,456	9,218,254	+288,509
1927.....	4,968,100	4,867,346	100,753	4,252,024	2,680,190	1,571,835	9,220,124	+716,076

	Gold			Silver			Total merchandise, gold and silver		
	Exports	Imports	Excess of exports (+) or imports (-)	Exports	Imports	Excess of exports (+) or imports (-)	Exports	Imports	Excess of exports (+) or imports (-)
1901.....	57,784	54,762	+3,022	55,638	31,147	+24,491	1,578,798	966,329	+612,469
1902.....	36,031	44,193	-8,162	49,273	26,403	+22,870	1,445,990	1,039,913	+406,077
1903.....	44,347	65,268	-20,921	40,610	23,975	+16,635	1,569,710	1,084,737	+484,973
1904.....	121,212	84,803	+36,409	50,135	26,087	+24,048	1,622,666	1,146,799	+475,867
1905.....	46,794	50,293	-3,499	57,513	35,939	+21,574	1,731,298	1,265,377	+465,921
1906.....	46,709	155,579	-108,870	60,957	44,228	+16,729	1,905,909	1,520,309	+385,600
1907.....	55,216	143,398	-88,182	61,626	45,912	+15,714	2,040,268	1,612,480	+427,788
1908.....	81,215	50,276	+30,939	51,838	42,224	+9,614	1,885,888	1,208,874	+677,014
1909.....	132,881	44,087	+88,794	57,592	46,188	+11,404	1,918,672	1,565,796	+352,876
1910.....	58,775	59,223	-448	57,361	45,878	+11,483	1,982,395	1,668,006	+314,390
1911.....	37,183	57,445	-20,262	65,665	43,747	+21,918	2,195,375	1,633,551	+561,824
1912.....	47,425	66,549	-19,124	71,962	48,401	+23,561	2,518,605	1,933,023	+585,582
1913.....	91,799	63,705	+28,094	62,777	35,868	+26,909	2,638,594	1,892,169	+746,425
1914.....	222,616	57,388	+165,228	51,003	25,959	+25,044	2,387,843	1,872,623	+515,220
1915.....	31,426	451,955	-420,529	53,599	34,484	+19,115	3,639,696	2,265,036	+1,374,660
1916.....	90,250	494,009	-403,759	59,792	34,154	+25,638	4,483,525	2,726,047	+1,757,478
1917.....	291,921	977,176	-685,255	78,280	35,004	+43,276	6,660,249	3,671,535	+2,988,714
1918.....	190,852	124,413	+66,439	139,181	70,328	+68,853	6,249,744	3,140,396	+3,109,348
1919.....	116,576	62,364	+54,212	301,175	78,825	+222,350	7,650,034	3,236,909	+4,413,125
1920.....	466,421	150,540	+315,881	179,037	102,900	+76,137	8,754,447	5,491,792	+3,262,655
1921.....	133,538	638,560	-505,022	52,536	59,431	-6,895	6,702,584	4,352,450	+2,350,134
1922.....	27,345	468,318	-440,973	62,695	70,684	-7,989	3,861,196	3,147,081	+714,115
1923.....	49,022	284,090	-235,068	55,907	64,947	-9,040	4,061,662	4,129,996	-68,334
1924.....	10,207	417,026	-406,819	98,786	79,940	+18,846	4,420,649	4,051,003	+369,646
1925.....	248,730	124,145	+114,585	108,889	71,608	+37,221	5,222,139	4,029,881	+1,192,258
1926.....	113,438	210,726	-97,288	97,982	69,401	+28,581	4,964,802	4,744,999	+219,802
1927.....	103,844	251,756	-147,912	80,881	59,605	+21,276	5,152,825	4,563,385	+589,440

### No. 485.—MERCHANDISE EXPORTS AND IMPORTS WITH TRADE BALANCES: FOR INDIVIDUAL YEARS 1790 TO 1882

[NOTE.—All figures in thousands of dollars. Specie values For later years see Table 482. Fiscal years ended Sept. 30, 1790 to 1842, June 30 thereafter.]

Year	Ex-ports <sup>1</sup>	Im-ports <sup>1</sup>	Excess of ex-ports (+) or imports (-)	Year	Ex-ports	Im-ports	Excess of ex-ports (+) or imports (-)	Year	Ex-ports	Im-ports	Excess of ex-ports (+) or imports (-)
1790	20,206	23,000	-2,794	1821	54,495	54,521	-26	1852	166,964	207,440	-40,476
1791	19,012	29,200	-10,188	1822	61,350	79,672	-18,322	1853	203,469	263,777	-60,308
1792	20,733	31,500	-10,767	1823	68,326	72,481	-4,155	1854	237,044	297,804	-60,760
1793	26,110	31,100	-4,990	1824	68,972	72,169	-3,197	1855	216,910	257,809	-40,899
1794	33,044	34,600	-1,556	1825	90,738	90,189	+549	1856	281,219	310,432	-29,213
1795	47,990	69,755	-21,765	1826	72,891	78,094	-5,203	1857	293,824	348,428	-54,604
1796	58,575	81,436	-22,861	1827	74,310	71,333	+2,977	1858	272,011	263,339	+8,672
1797	51,295	75,379	-24,084	1828	64,021	81,020	-16,999	1859	292,902	331,333	-38,431
1798	61,327	68,552	-7,225	1829	67,435	67,089	+346	1860	333,576	353,616	-20,040
1799	78,666	79,069	-403	1830	71,671	62,721	+8,950	1861	219,554	289,311	-69,757
1800	70,972	91,253	-20,281	1831	72,296	95,855	-23,559	1862	190,671	189,357	+1,314
1801	93,021	111,364	-18,343	1832	81,521	95,122	-13,601	1863	203,964	243,336	-39,372
1802	71,957	76,332	-4,375	1833	87,529	101,048	-13,519	1864	158,838	315,447	-156,609
1803	55,800	64,667	-8,867	1834	102,260	108,610	-6,350	1865	166,029	238,746	-72,717
1804	77,699	85,000	-7,301	1835	115,216	136,764	-21,548	1866	348,860	434,812	-85,952
1805	95,566	120,500	-25,034	1836	124,339	176,579	-52,240	1867	294,506	395,761	-101,255
1806	101,537	129,410	-27,873	1837	111,443	130,473	-19,030	1868	281,963	357,436	-75,473
1807	108,343	138,500	-30,157	1838	104,979	95,970	+9,009	1869	286,118	417,506	-131,388
1808	22,431	56,990	-34,559	1839	112,262	156,497	-44,235	1870	392,772	435,958	-43,186
1809	52,203	59,400	-7,197	1840	123,669	98,259	+25,410	1871	442,820	520,224	-77,404
1810	66,758	85,400	-18,642	1841	111,817	122,958	-11,141	1872	444,176	628,595	-184,417
1811	61,317	53,400	+7,917	1842	99,878	96,075	+3,803	1873	522,480	642,136	-119,656
1812	38,527	77,030	-38,503	1843	92,826	42,433	+50,393	1874	586,283	567,406	+18,877
1813	27,856	22,005	+5,851	1844	105,746	102,605	+3,141	1875	513,443	633,003	-119,560
1814	6,927	12,966	-6,038	1845	105,040	113,184	-8,144	1876	540,385	490,741	+49,644
1815	52,558	113,041	-60,483	1846	109,563	117,914	-8,351	1877	602,475	451,323	+151,152
1816	81,920	147,103	-65,183	1847	156,742	122,424	+34,318	1878	694,866	437,052	+257,814
1817	87,672	99,250	-11,578	1848	138,191	148,639	-10,448	1879	710,439	445,778	+264,661
1818	93,281	121,750	-28,469	1849	140,351	141,206	-855	1880	835,639	667,955	+167,684
1819	70,143	87,125	-16,982	1850	144,376	173,510	-29,134	1881	902,377	642,665	+259,712
1820	69,692	74,450	-4,758	1851	188,915	210,771	-21,856	1882	750,542	724,640	+25,902

<sup>1</sup> Includes gold and silver prior to 1821.

<sup>2</sup> Period beginning Oct. 1, 1842, and ending June 30, 1843.

### No. 486.—PER CAPITA EXPORTS AND IMPORTS

[NOTE.—Export figures for 1790 to 1820 are based on total exports and for 1821 to date, on exports of domestic merchandise only, shown in Table 482. Import figures for 1790 to 1820 are based on total imports shown in Table 482, for 1821 to 1870, total imports less reexports, and for 1871 to date, imports for consumption, shown in Table 487.]

Yearly average	Ex-ports	Im-ports	Yearly average or year	Ex-ports	Im-ports	Year	Ex-ports	Im-ports	Year	Ex-ports	Im-ports
	Dollars	Dollars		Dollars	Dollars		Dollars	Dollars		Dollars	Dollars
1790-1800	9.70	12.22	1911-1915	23.06	17.46	1895	11.51	10.61	1912	22.65	17.13
1801-1810	11.82	14.71	1915-1920	61.21	31.37	1896	12.20	10.82	1913	24.97	18.17
1811-1820	6.96	9.53	1921-1925	37.97	30.15	1897	14.43	11.03	1914	23.61	19.32
1821-1830	4.71	5.02	1881	17.37	12.78	1898	16.62	8.06	1915	27.13	16.46
1831-1840	5.85	6.91	1882	14.05	13.74	1899	16.24	9.24	1916	33.01	23.06
1841-1850	5.47	5.60	1883	15.04	13.12	1900	18.17	11.01	1917	59.48	28.14
1851-1860	8.48	9.78	1884	13.24	12.20	1901	18.69	10.34	1918	57.51	28.06
1861-1865	5.11	7.15	1885	12.97	10.34	1902	16.99	11.28	1919	72.69	35.90
1866-1870	8.35	10.73	1886	11.62	10.89	1903	17.10	12.38	1920	74.79	47.22
1871-1875	11.70	13.55	1887	12.00	11.60	1904	17.28	11.82	1921	39.77	23.22
1876-1880	14.01	10.18	1888	11.43	11.81	1905	17.62	12.84	1922	33.75	27.55
1881-1885	14.49	12.40	1889	11.95	12.02	1906	19.90	14.06	1923	36.06	32.91
1886-1890	12.12	11.73	1890	13.54	12.27	1907	21.08	16.06	1924	38.96	30.97
1891-1895	13.21	11.59	1891	13.69	13.27	1908	20.48	13.21	1925	41.14	35.66
1896-1900	15.60	10.03	1892	15.62	12.37	1909	17.96	14.05	1926	39.62	37.07
1901-1905	17.53	11.75	1893	12.53	12.56	1910	18.41	16.06	1927	39.52	34.57
1906-1910	19.54	14.82	1894	12.85	9.32	1911	21.34	16.19			



## No. 487.—IMPORTS ENTERED FOR CONSUMPTION AND DUTIES THEREON

[NOTE.—From 1821 to 1865, inclusive, the figures of import values represent total imports less reexports, and for 1870 and later years imports entered for consumption. The ratio prior to 1880 is based upon the values of total imports, since the duties as calculated for those years include the duties afterwards refunded upon reexports. Figures cover fiscal years ended Sept. 30, 1821 to 1840, and June 30, 1840 to 1915; calendar years thereafter.]

Yearly average or year	Values				Duties	Ratio of duties to total		Amount of duties per capita
	Total	Free	Dutiable	Per cent free		Free and dutiable	Dutiable	
	1,000 dollars	1,000 dollars	1,000 dollars		1,000 dollars	Per cent	Per cent	Dollars
1821.....	43,696	1,731	41,965	3.96	18,883	34.04	35.97	1.99
1830.....	49,575	3,512	46,063	7.09	28,417	45.21	48.88	2.38
1840.....	86,250	42,111	44,139	48.82	15,178	15.45	30.37	.89
1850.....	164,084	15,982	148,052	9.74	40,181	28.16	35.85	1.75
1860.....	336,282	68,391	267,891	20.34	52,692	15.67	19.67	1.09
1865.....	309,656	40,097	169,559	19.12	80,635	26.46	47.56	2.32
1870.....	426,346	20,214	406,132	4.74	191,513	44.92	47.16	2.01
1871-1875.....	563,234	112,458	450,776	19.97	183,014	32.49	40.60	4.40
1876-1880.....	482,071	154,501	327,570	32.06	143,388	29.74	43.77	3.08
1881-1885.....	663,128	204,673	458,455	30.86	197,901	29.83	43.15	2.70
1886-1890.....	702,284	237,299	464,935	33.80	212,358	30.38	45.89	3.66
1891-1895.....	768,756	401,921	366,835	52.29	178,832	22.61	47.39	2.83
1896-1900.....	730,411	341,763	388,658	46.79	181,328	24.83	46.65	2.49
1901-1905.....	966,991	428,830	538,061	44.81	256,409	26.80	48.57	2.15
1906-1910.....	1,328,137	615,416	712,721	46.34	306,440	23.00	42.86	2.41
1911-1915.....	1,898,028	966,141	731,887	56.89	283,408	16.09	38.72	2.91
1915-1920 <sup>1</sup> .....	2,288,839	2,262,412	1,026,245	68.79	227,036	6.90	22.08	2.17
1921-1925.....	2,422,748	2,068,932	1,333,816	61.03	478,911	13.99	35.90	4.22
1883.....	701,230	206,868	494,352	29.50	210,637	30.04	42.61	2.94
1884.....	667,751	211,089	456,662	31.61	190,292	28.50	41.67	2.45
1885.....	579,335	192,443	386,892	33.22	178,151	30.75	46.06	2.18
1886.....	624,049	210,271	413,778	33.99	189,410	30.35	45.78	2.21
1887.....	679,644	229,319	450,325	33.74	214,222	31.62	47.57	2.66
1888.....	707,081	238,947	468,134	33.78	216,042	30.55	46.15	2.61
1889.....	734,681	249,824	484,857	34.06	220,576	30.02	45.49	2.61
1890.....	765,708	258,137	507,571	33.71	226,540	29.89	44.63	2.63
1891.....	843,483	379,028	464,455	44.83	216,885	25.65	46.50	2.40
1892.....	804,297	448,771	355,526	56.78	174,134	21.65	48.98	2.08
1893.....	832,732	432,450	400,282	51.93	199,143	23.91	49.75	2.09
1894.....	630,107	372,462	257,645	59.11	129,558	20.56	50.29	1.92
1895.....	731,162	376,890	354,272	51.55	149,450	20.44	42.19	2.17
1896.....	759,694	368,897	390,797	48.56	157,013	20.67	40.18	2.24
1897.....	789,261	381,902	407,359	48.39	172,760	21.89	42.41	2.41
1898.....	867,153	391,534	465,619	49.65	145,438	24.77	49.20	2.09
1899.....	685,441	299,669	385,772	43.72	202,073	29.48	52.38	2.73
1900.....	830,519	360,760	469,759	44.16	229,300	27.62	49.46	2.04
1901.....	807,763	339,003	468,760	41.98	233,556	28.91	49.83	2.99
1902.....	899,793	396,542	503,251	44.01	251,453	27.95	49.97	2.15
1903.....	1,007,980	437,291	570,689	43.38	280,752	27.85	49.20	2.45
1904.....	981,822	454,153	527,669	46.26	258,161	26.29	48.92	2.11
1905.....	1,067,118	517,073	570,045	47.56	258,426	23.77	45.33	2.05
1906.....	1,213,417	548,696	664,722	45.22	283,910	24.22	44.22	2.49
1907.....	1,415,402	641,953	773,449	45.35	329,480	23.28	42.60	2.75
1908.....	1,183,120	525,704	657,416	44.43	282,582	23.88	42.98	2.15
1909.....	1,281,641	699,376	682,265	46.77	294,667	22.99	42.19	2.22
1910.....	1,547,109	761,353	785,756	49.21	328,561	21.11	41.56	2.52
1911.....	1,527,945	776,964	750,981	50.85	309,965	20.29	41.27	2.29
1912.....	1,640,722	881,513	759,209	59.73	304,899	18.58	40.16	2.18
1913.....	1,766,689	986,972	779,717	56.87	312,509	17.69	40.05	2.21
1914.....	1,906,400	1,152,392	754,008	60.45	283,719	14.88	37.63	2.87
1915.....	1,648,386	1,032,863	615,523	62.66	205,946	12.49	33.46	2.06
1915 (6 mos.).....	834,675	631,384	303,291	67.56	96,888	10.26	31.61	.96
1916.....	2,353,612	1,614,842	743,770	68.47	214,214	9.10	28.80	2.09
1917.....	2,919,291	2,140,947	778,344	73.34	204,585	7.01	26.28	1.97
1918.....	2,951,331	2,228,675	722,656	75.51	170,934	5.79	23.65	1.63
1919.....	2,827,683	2,711,462	1,116,221	70.84	227,456	6.20	21.27	2.23
1920.....	5,101,823	3,115,958	1,985,865	61.06	225,646	6.38	16.40	2.91
1921.....	2,566,899	1,564,278	992,591	61.18	292,397	11.44	29.46	2.66
1922.....	3,073,773	1,888,240	1,185,533	61.43	451,356	14.68	38.07	4.05
1923.....	3,731,769	2,165,148	1,566,621	58.02	566,664	15.18	36.17	5.09
1924.....	3,575,111	2,118,168	1,456,943	59.25	532,296	14.89	36.83	4.61
1925.....	4,176,218	2,708,828	1,467,391	64.87	561,863	12.21	37.61	4.71
1926.....	4,408,076	2,908,107	1,499,969	65.97	590,045	12.39	39.34	4.96
1927.....	4,163,090	2,690,069	1,473,021	64.39	574,839	12.81	32.76	4.77

<sup>1</sup> Period July 1, 1914, to Dec. 31, 1920.

## No. 488.—EXPORTS OF DOMESTIC MERCHANDISE

[Note.—All figures in thousands of dollars. Merchandise only, specie values. Figures cover fiscal years used to describe these classes in former abstracts and in the original trade reports (which phrases, however, foodstuffs in crude condition, and food animals, foodstuffs partly or wholly manufactured; man covered by each class see Annual Commerce and Navigation of the United States. Owing to the special also shown)]

Yearly average or year	Domestic exports					
	Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semi-manufactures	Finished manufactures
1821	51,584	31,332	2,475	10,055	4,807	2,925
1830	55,525	36,665	2,724	9,557	4,118	5,462
1840	111,661	75,735	4,555	15,936	4,841	10,584
1850	134,900	84,124	7,536	20,017	6,001	17,162
1860	315,342	216,908	12,166	38,025	12,642	35,811
1865	136,940	34,213	13,975	47,991	10,650	30,121
1870	376,516	213,803	41,852	50,920	13,712	56,329
1871-1875	496,128	218,449	75,206	96,282	22,681	74,509
1876-1880	663,650	213,989	158,856	161,915	30,174	98,719
1881-1885	774,607	261,645	162,714	197,457	37,044	115,747
1886-1890	725,685	276,703	108,708	181,521	40,028	118,730
1891-1895	876,326	296,087	160,846	228,560	55,343	136,470
1896-1900	1,136,039	296,664	214,778	272,760	100,800	242,338
1901-1905	1,427,020	432,027	173,972	316,236	161,206	343,589
1906-1910	1,750,980	554,754	155,828	317,374	249,134	473,690
1911-1915	2,331,648	716,637	205,939	233,971	359,239	715,861
1915-1920 <sup>1</sup>	6,416,813	1,168,935	587,588	1,183,226	967,185	2,539,520
1921-1925	4,310,221	1,187,056	420,002	600,710	536,793	1,565,660
1910-1914	2,130,429	712,184	126,506	294,908	341,620	654,211
1915-1919 <sup>1</sup>	5,227,127	843,268	502,763	945,729	871,731	2,063,646
1883	604,223	294,190	163,196	186,323	37,996	122,448
1884	724,965	243,892	130,396	194,703	37,801	118,173
1885	726,683	261,299	123,327	201,801	39,437	110,519
1886	665,965	256,811	100,900	162,689	34,038	111,627
1887	708,023	252,634	125,454	175,785	36,732	112,416
1888	682,862	272,553	86,368	169,672	40,176	113,893
1889	730,282	291,034	96,847	174,504	42,713	123,184
1890	845,294	309,482	132,073	224,757	46,455	132,527
1891	872,270	351,355	106,156	226,448	47,961	140,350
1892	1,015,732	319,761	262,456	250,439	50,284	132,762
1893	831,031	251,669	163,278	247,075	49,071	129,938
1894	869,206	283,357	133,197	249,846	67,145	135,659
1895	793,393	269,294	96,145	219,090	62,254	143,610
1896	863,201	257,227	128,551	219,413	76,220	181,799
1897	1,032,008	304,291	181,421	235,051	96,284	212,959
1898	1,210,292	295,775	306,109	264,880	101,991	222,537
1899	1,203,931	285,867	232,903	304,755	117,730	262,657
1900	1,370,764	340,130	225,906	319,696	153,276	331,747
1901	1,460,463	411,377	245,836	337,153	148,351	317,746
1902	1,355,482	385,711	184,780	328,832	132,206	321,947
1903	1,392,232	415,543	185,308	323,245	140,607	327,469
1904	1,435,179	466,964	135,747	308,836	174,877	348,735
1905	1,491,745	478,518	118,185	283,065	209,926	402,060
1906	1,717,964	507,328	177,216	347,385	226,211	459,813
1907	1,853,718	600,540	167,348	345,707	259,442	480,651
1908	1,834,786	563,197	180,052	331,962	261,106	480,470
1909	1,838,356	528,691	135,664	302,565	231,144	440,272
1910	1,710,064	574,015	106,828	259,290	267,766	490,215
1911	2,013,549	720,611	103,402	282,017	309,152	598,348
1912	2,170,320	731,164	99,899	315,830	348,150	672,268
1913	2,428,506	740,290	181,907	321,204	408,807	776,297
1914	2,329,684	799,838	137,495	293,219	374,224	724,908
1915	2,716,178	691,282	506,923	454,575	353,862	807,466
1915 (6 moor)	1,820,303	303,228	157,897	292,720	268,002	798,546
1916	5,422,642	815,663	421,284	645,039	912,262	2,625,304
1917	6,169,617	832,827	508,762	809,941	1,315,242	2,705,845
1918	6,047,875	972,107	547,436	1,405,820	1,063,270	2,069,242
1919	7,749,816	1,423,085	678,363	1,962,616	922,246	2,563,506
1920	8,060,481	1,882,530	917,991	1,116,605	958,497	3,204,858
1921	4,378,028	983,553	673,334	685,025	410,167	1,626,849
1922	3,765,091	968,456	458,611	587,987	437,730	1,292,307
1923	4,000,715	1,208,468	257,478	583,292	563,718	1,477,159
1924	4,497,649	1,432,746	392,691	673,492	610,068	1,588,052
1925	4,818,722	1,422,058	317,894	673,753	661,683	1,843,334
1926	4,711,721	1,261,325	335,003	603,006	655,547	1,956,781
1927	4,758,864	1,192,776	421,107	463,299	699,727	1,961,955

<sup>1</sup> Period July 1, 1915, to Dec. 31, 1920.

## AND IMPORTS, BY ECONOMIC CLASSES

ended Sept. 30, 1790 to 1842, and June 30, 1843 to 1915; calendar thereafter, except as noted. The fuller phrases ever, are hardly adequate to indicate their exact scope) are as follows: Crude materials for use in manufactures for further use in manufacturing; and manufactures ready for consumption. For articles influence of the war on the character of our trade, averages for the fiscal years 1910-1914 and 1915-1919 are

Imports						Yearly average or year
Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semimanufactures	Finished manufactures	
54,521	2,540	6,081	10,821	4,079	30,999	1821.
62,721	4,797	7,382	9,654	5,152	35,735	1830.
98,259	12,140	15,274	15,189	11,356	44,300	1840.
173,510	12,556	18,012	21,466	26,163	95,313	1850.
353,616	41,006	45,744	59,838	34,899	172,129	1860.
238,746	29,587	35,137	48,031	29,908	96,138	1865.
435,958	56,612	54,081	96,062	55,569	173,615	1870.
577,873	93,182	81,602	115,960	78,360	208,769	1871-1875.
492,570	91,353	89,461	105,865	61,318	144,573	1876-1880.
667,142	133,268	99,376	127,732	91,625	215,141	1881-1885.
717,231	162,436	113,130	118,224	113,045	210,396	1886-1890.
745,137	185,222	146,510	140,726	112,833	199,846	1891-1895.
741,519	218,517	111,843	118,124	99,005	194,030	1896-1900.
972,162	324,508	125,644	120,218	161,809	239,983	1901-1905.
1,344,838	464,809	147,706	158,658	239,577	334,088	1906-1910.
1,712,319	597,701	219,085	215,144	297,476	382,963	1911-1915.
3,358,354	1,347,667	408,152	544,549	574,421	483,566	1915-1920. <sup>1</sup>
3,450,103	1,290,375	382,539	448,069	609,225	719,875	1921-1925.
1,688,874	594,957	203,205	194,312	307,068	389,332	1910-1914.
2,514,557	1,039,366	312,059	355,305	443,647	364,180	1915-1919. <sup>2</sup>
723,181	146,261	93,091	142,128	96,755	242,946	1883.
667,698	131,439	103,011	130,778	94,698	207,771	1884.
577,527	120,446	93,346	102,938	78,255	182,543	1885.
635,436	144,745	91,589	112,771	91,539	194,792	1886.
692,320	151,363	106,362	111,715	120,080	202,800	1887.
723,957	163,998	116,087	111,048	121,605	211,219	1888.
745,132	172,184	123,131	122,254	115,060	212,483	1889.
789,310	179,889	128,480	133,332	116,924	230,686	1890.
844,916	192,531	150,639	147,722	136,446	217,578	1891.
827,402	194,776	175,559	139,795	112,729	204,544	1892.
866,401	216,624	131,664	153,739	135,609	228,765	1893.
654,995	134,643	133,310	155,349	82,895	148,708	1894.
731,970	187,537	141,377	107,026	96,487	199,543	1895.
779,725	203,205	130,002	118,806	101,071	226,640	1896.
764,730	200,771	128,380	129,245	88,490	217,844	1897.
616,050	193,660	103,985	86,091	79,289	153,025	1898.
697,148	213,297	98,933	123,448	91,954	169,516	1899.
849,941	281,649	97,916	133,028	134,222	203,126	1900.
823,172	254,164	110,385	125,541	127,577	205,505	1901.
903,321	306,613	120,280	95,350	147,656	231,421	1902.
1,025,719	336,388	119,203	116,620	195,751	257,757	1903.
991,087	327,549	132,224	118,223	160,234	252,858	1904.
1,117,513	395,826	146,131	145,356	177,828	252,372	1905.
1,226,562	423,789	134,315	140,358	220,299	307,801	1906.
1,434,421	487,728	149,748	158,656	274,096	364,193	1907.
1,194,342	373,889	145,578	147,009	196,248	331,618	1908.
1,311,920	460,901	164,111	165,701	222,102	299,106	1909.
1,556,947	577,743	144,777	181,566	255,138	367,723	1910.
1,527,226	524,817	181,195	172,006	267,786	361,422	1911.
1,653,265	573,048	230,358	196,101	258,739	360,019	1912.
1,813,008	649,438	211,747	194,243	349,402	408,179	1913.
1,893,926	649,740	247,948	227,644	319,276	449,318	1914.
1,674,170	591,462	223,930	285,725	237,176	335,877	1915.
912,787	378,446	130,398	113,441	143,752	146,750	1915 (6 mos.).
2,391,635	1,029,358	260,132	338,707	417,860	345,578	1916.
2,952,468	1,286,079	385,725	351,553	536,663	392,448	1917.
3,031,213	1,233,697	345,653	397,370	649,585	404,908	1918.
3,904,365	1,701,057	545,301	555,808	606,996	493,203	1919.
5,278,481	1,783,534	577,627	1,238,139	802,456	876,725	1920.
2,509,148	858,858	300,181	368,311	361,747	620,051	1921.
3,112,747	1,179,894	329,809	387,419	552,677	662,947	1922.
3,792,066	1,406,797	363,032	530,208	720,729	771,300	1923.
3,609,963	1,258,256	424,873	521,600	655,888	749,346	1924.
4,226,589	1,748,065	494,800	432,906	755,065	795,733	1925.
4,430,888	1,792,292	539,818	417,817	804,333	876,628	1926.
4,184,742	1,600,899	504,686	450,849	749,801	878,597	1927.

<sup>1</sup> Fiscal years.

## No. 489.—IMPORTS, FREE AND DUTIABLE, AND

[NOTE.—All figures in thousands of dollars. Merchandise only, specie values. Figures cover fiscal 1922 to 1927, inclusive, dutiable imports for consumption of crude foodstuffs and crude materials were See headnotes, Tables 483 and 497]

Year or yearly average	Total			Crude materials			Crude foodstuffs and food animals		
	Free	Dutiable	Percent free	Free	Dutiable	Percent free	Free	Dutiable	Percent free
1821.....	2,018	52,504	3.7	1,475	1,066	58.1	.....	5,062	.....
1830.....	4,590	58,131	7.3	2,348	1,450	61.8	.....	7,382	.....
1840.....	48,314	49,946	49.2	9,780	2,360	80.6	15,214	50	99.6
1850.....	15,082	155,428	10.4	.....	11,954	4.8	13,803	2,208	87.7
1860.....	73,741	279,874	20.9	17,510	23,496	42.7	42,126	3,517	92.1
1865.....	44,520	194,226	12.6	7,654	21,885	25.9	15,378	19,760	43.8
1870.....	20,141	415,818	4.6	12,582	43,030	24.0	199	53,882	.4
1871-1875.....	105,286	472,587	18.2	43,082	45,100	51.6	45,026	36,576	55.2
1876-1880.....	154,663	337,887	31.4	60,902	30,450	66.7	74,806	14,654	83.6
1881-1885.....	204,735	462,407	30.7	91,384	41,884	68.6	78,513	22,864	77.0
1886-1890.....	242,521	474,710	33.8	104,961	57,475	64.6	90,085	28,006	76.6
1891-1895.....	402,363	362,774	51.2	142,613	41,610	77.5	134,808	21,702	85.2
1896-1900.....	342,125	399,394	46.1	177,649	40,868	81.3	88,350	22,494	79.0
1901-1905.....	426,836	545,326	43.9	242,319	81,189	75.0	98,921	26,723	76.7
1906-1910.....	614,825	730,013	45.7	343,061	116,749	74.9	120,233	27,473	81.4
1911-1915.....	961,439	750,880	56.1	491,948	105,753	82.3	181,170	37,865	82.7
1915-1920 <sup>1</sup> .....	2,258,608	1,099,747	67.3	1,196,593	152,074	88.7	349,926	56,236	85.7
1921-1925.....	2,060,308	1,389,800	59.7	1,036,581	253,794	80.3	302,242	80,297	79.0
1910-1914.....	905,796	783,078	53.6	477,331	117,626	80.2	164,554	38,651	81.0
1915-1919 <sup>2</sup> .....	1,744,767	769,789	69.4	925,417	113,949	88.0	263,025	49,033	84.3
1882.....	207,505	515,676	28.7	99,720	46,541	68.2	70,535	22,506	75.8
1884.....	209,884	457,814	31.4	87,698	43,740	66.7	80,592	22,419	78.2
1885.....	193,213	384,314	33.5	79,242	41,205	65.8	73,323	20,022	78.5
1886.....	212,159	423,277	33.4	97,600	47,146	67.4	71,204	20,384	77.7
1887.....	234,221	458,099	33.8	100,459	50,904	66.4	84,826	21,536	79.8
1888.....	244,072	479,885	33.7	107,043	56,955	65.3	87,121	28,966	75.0
1889.....	256,487	486,645	34.4	107,210	64,974	62.3	100,507	22,624	81.6
1890.....	265,668	523,642	33.7	112,495	67,394	62.5	106,515	21,965	82.9
1891.....	366,241	478,675	43.3	139,855	52,576	72.6	126,337	24,302	83.9
1892.....	457,999	369,403	55.4	149,159	45,616	76.6	155,831	19,728	88.8
1893.....	444,544	421,857	51.3	165,928	50,697	76.6	106,769	24,893	81.1
1894.....	379,796	275,199	58.0	106,654	27,989	79.2	114,255	19,054	85.7
1895.....	303,234	398,736	49.6	156,464	31,073	83.4	120,347	20,530	85.5
1896.....	369,758	409,967	47.4	176,657	26,549	86.9	108,891	21,111	83.8
1897.....	381,938	382,792	49.9	182,775	17,996	91.0	108,049	20,291	84.2
1898.....	291,414	324,636	47.3	147,341	46,319	76.1	86,145	17,840	82.5
1899.....	300,280	396,868	43.1	168,653	44,043	79.1	69,948	28,983	70.7
1900.....	367,237	482,704	43.2	212,820	68,829	75.6	68,722	29,194	70.2
1901.....	339,609	483,503	41.3	191,155	63,009	75.2	80,961	29,424	73.3
1902.....	396,819	506,502	43.9	233,242	75,371	75.6	90,287	29,993	75.1
1903.....	426,181	599,538	41.6	249,276	87,112	74.1	86,622	32,581	72.7
1904.....	454,130	530,957	46.8	249,998	77,552	76.3	110,481	21,742	83.6
1905.....	517,442	600,071	46.3	292,921	102,905	71.5	126,254	19,877	86.4
1906.....	549,624	676,938	44.8	312,290	111,499	73.7	114,305	20,010	85.1
1907.....	644,030	790,391	44.9	366,164	121,564	75.1	125,047	24,701	83.5
1908.....	525,003	668,739	44.0	282,043	90,940	75.7	110,510	29,068	80.0
1909.....	599,557	712,363	45.7	334,957	125,944	72.7	131,621	32,490	80.2
1910.....	755,311	801,636	48.5	443,951	133,792	76.8	113,681	31,095	78.5
1911.....	776,972	750,254	50.9	409,671	115,145	78.1	147,262	33,932	81.3
1912.....	881,671	771,594	53.3	453,931	119,117	79.2	180,127	50,231	78.2
1913.....	987,524	825,484	54.5	519,103	130,334	79.9	179,829	31,917	84.9
1914.....	1,127,503	766,423	59.5	560,000	99,749	85.2	261,968	46,090	81.4
1915.....	1,033,527	640,643	61.7	517,034	74,428	87.4	196,763	27,167	87.9
1915 (6 mos.).....	628,837	283,950	68.9	332,105	46,340	87.8	113,550	16,849	87.1
1916.....	1,611,867	779,748	67.4	922,045	107,312	89.6	216,570	43,562	83.3
1917.....	2,135,552	816,916	72.3	1,169,641	117,038	90.9	316,965	68,759	82.2
1918.....	2,230,353	800,860	73.6	1,092,837	140,860	88.6	283,135	62,118	82.0
1919.....	2,698,703	1,205,662	69.1	1,506,164	192,894	88.7	490,856	64,444	88.2
1920.....	3,117,010	2,161,471	59.1	1,551,570	231,964	87.0	513,117	64,510	88.8
1921.....	1,502,292	946,856	62.3	750,640	106,219	87.4	253,703	46,477	84.5
1922.....	1,871,917	1,240,830	60.1	963,150	216,744	81.6	249,690	60,309	75.7
1923.....	2,135,942	1,656,124	56.3	1,091,393	315,404	77.6	279,222	83,410	76.9
1924.....	2,090,090	1,529,867	57.8	977,635	290,921	77.7	335,741	89,132	79.0
1925.....	2,651,266	1,575,323	62.7	1,400,063	347,982	80.1	392,942	101,858	79.4
1926.....	2,853,411	1,577,477	64.4	1,483,772	308,520	82.8	438,594	101,224	81.2
1927.....	2,621,873	1,562,869	62.7	1,315,237	285,572	82.2	392,971	111,715	77.9

<sup>1</sup> Period July 1, 1915, to Dec. 31, 1920.

## PER CENT FREE, BY ECONOMIC CLASSES

years ended Sept. 30, 1821 to 1842, and June 30, 1843 to 1915, calendar thereafter, except as noted. For smaller than dutiable general imports, and free imports for consumption were correspondingly larger.

Manufactured foodstuffs			Semimanufactures			Finished manufactures			Year or yearly average
Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	
	10,821		488	3,501	12.0	55	30,944	0.2	1821.
	9,654		1,211	3,942	23.5	31	35,708	.1	1830.
1,021	14,168	6.7	4,962	6,394	43.7	17,337	26,963	39.1	1840.
	21,466		764	25,399	2.9	911	94,401	1.0	1850.
4,447	55,391	7.4	6,433	28,466	18.4	3,225	168,904	1.9	1860.
6,152	41,879	12.8	7,730	22,172	25.9	7,007	88,581	7.9	1865.
	96,082		2,518	53,051	4.5	3,842	169,773	2.2	1870.
371	115,589	.3	6,255	72,105	8.0	5,552	208,216	2.7	1871-1875.
3,244	102,621	3.1	9,114	52,204	14.9	6,616	137,957	4.6	1876-1880.
9,240	118,498	7.2	15,209	76,416	16.6	12,389	202,751	5.8	1881-1885.
13,664	104,500	11.6	19,175	98,870	17.0	14,686	195,709	7.0	1886-1890.
92,078	48,649	65.4	25,614	87,219	22.7	16,251	183,894	8.1	1891-1895.
18,950	99,173	16.0	34,565	64,440	34.9	22,602	171,429	11.6	1896-1900.
3,189	117,029	2.7	59,943	101,866	37.0	21,465	218,518	8.9	1901-1905.
5,498	153,100	3.5	102,198	137,379	42.7	38,835	295,258	11.6	1906-1910.
25,626	189,517	11.9	167,863	129,612	56.4	94,832	288,131	24.8	1911-1915.
73,142	471,407	13.4	424,243	150,177	73.9	215,704	267,862	44.6	1915-1920. <sup>1</sup>
56,620	391,469	12.6	411,802	197,423	67.6	253,058	466,817	35.2	1921-1925.
17,290	177,022	8.9	160,166	146,902	52.2	76,455	302,877	22.2	1910-1914.
59,384	295,122	16.7	340,677	102,970	76.8	156,464	207,715	43.0	1915-1919. <sup>2</sup>
8,901	133,227	6.3	16,701	82,054	16.9	11,597	231,348	4.8	1883.
10,980	119,848	8.4	16,087	78,611	17.0	14,576	198,195	7.0	1884.
11,796	91,142	11.5	14,025	64,230	17.9	14,828	167,715	8.1	1885.
10,565	102,207	9.4	16,006	75,533	17.5	16,784	178,007	8.6	1886.
11,095	160,620	9.9	20,282	99,798	16.9	17,559	184,241	8.7	1887.
15,222	95,826	13.7	20,657	100,947	17.0	14,028	197,191	6.6	1888.
16,062	106,192	13.1	19,655	95,425	17.1	13,052	199,430	6.1	1889.
15,375	117,957	11.5	19,275	97,650	16.5	12,009	218,677	5.2	1890.
62,119	85,008	42.1	23,435	113,011	17.2	14,496	208,082	6.7	1891.
111,614	28,180	79.8	26,437	86,298	23.5	14,969	189,585	7.3	1892.
121,858	31,881	79.3	33,114	102,496	24.4	16,876	211,899	7.4	1893.
130,454	24,896	84.0	15,129	67,765	18.3	13,302	135,496	8.9	1894.
34,343	72,683	32.1	29,955	66,531	31.0	21,625	177,919	10.8	1895.
15,908	102,902	13.4	37,718	63,353	37.3	30,588	196,051	13.5	1896.
17,082	112,163	13.2	39,566	48,925	44.7	34,427	183,417	15.8	1897.
18,874	67,217	21.9	23,739	55,550	29.9	15,316	137,709	10.0	1898.
19,783	108,665	16.0	26,226	65,728	28.5	15,670	158,847	9.2	1899.
23,110	109,918	17.4	45,578	88,644	34.0	17,007	186,119	8.4	1900.
2,817	122,724	2.2	44,700	82,877	35.0	19,976	185,530	9.7	1901.
3,068	92,283	3.2	51,138	96,519	34.6	19,084	212,336	8.2	1902.
3,417	113,208	2.9	67,258	128,493	34.4	19,009	233,149	7.6	1903.
3,328	114,895	2.8	65,558	94,676	40.9	24,765	223,092	9.8	1904.
3,317	142,089	2.3	71,061	106,767	40.0	23,890	223,483	9.5	1905.
3,349	137,089	2.4	91,172	129,126	41.4	28,508	279,294	9.3	1906.
4,105	154,551	2.6	116,722	157,374	42.6	31,992	332,201	8.8	1907.
5,469	141,540	3.7	84,721	111,528	43.2	35,961	295,657	10.8	1908.
5,177	160,524	3.1	95,079	127,023	42.8	32,723	266,384	10.9	1909.
9,391	172,176	5.2	123,295	161,843	43.2	64,993	302,730	17.7	1910.
12,339	159,668	7.2	142,773	145,013	49.6	64,928	296,496	18.0	1911.
16,629	179,471	8.5	153,258	140,481	52.2	77,725	282,294	21.6	1912.
10,889	183,354	5.6	180,580	168,822	51.7	97,122	311,057	23.8	1913.
37,202	190,443	16.3	200,925	118,350	62.9	127,508	321,810	28.4	1914.
51,073	234,652	17.9	161,781	75,396	68.2	106,876	229,001	31.8	1915.
20,062	98,359	17.7	108,717	40,085	72.2	59,383	87,367	40.5	1915 (6 mos.).
37,401	301,306	11.0	299,265	118,595	71.6	136,006	208,972	39.5	1916.
59,255	292,298	16.9	422,021	114,642	78.6	168,270	224,178	42.9	1917.
91,724	305,646	23.1	561,448	88,137	86.4	200,809	204,089	49.6	1918.
69,504	486,304	12.5	399,579	209,418	65.6	240,601	252,602	48.8	1919.
124,314	1,113,825	10.0	547,306	255,149	68.2	380,702	496,023	43.4	1920.
53,604	314,707	14.6	286,458	125,289	65.4	267,887	352,164	43.2	1921.
43,115	344,304	11.1	370,871	181,806	67.1	245,181	417,767	37.0	1922.
52,164	478,044	9.8	471,775	248,954	65.5	241,388	529,912	31.3	1923.
62,044	459,556	11.9	462,898	192,989	70.6	241,778	507,568	32.3	1924.
72,171	360,735	16.7	517,010	288,075	68.5	209,080	526,673	33.8	1925.
57,192	360,625	13.7	598,379	235,954	70.7	305,481	571,147	34.8	1926.
75,698	375,151	16.8	827,187	222,614	70.3	310,789	567,817	35.4	1927.

<sup>1</sup> Fiscal years.

## No. 490.—EXPORTS (DOMESTIC AND FOREIGN) AND

[NOTE.—All figures in thousands of dollars. Merchandise only, specie values. Figures cover fiscal years average for 1910-1914 and 1915-1919. The Philippine Islands are included.]

Yearly average or year	Exports							
	Total	North America		South America	Europe	Asia	Oceania	Africa
		Northern	Southern					
1821	54,498	2,302	11,965	2,308	33,575	1,977	71	309
1830	71,671	2,892	14,729	4,386	47,303	1,906	27	234
1840	123,899	6,090	17,341	5,714	92,039	1,580	330	696
1850	144,376	9,519	14,284	7,730	108,638	3,028	190	967
1860	233,576	22,883	29,273	15,708	249,425	8,100	4,982	3,227
1865	166,029	16,618	34,008	12,026	95,744	2,330	4,016	1,373
1870	392,772	21,703	31,100	15,188	313,315	5,773	3,873	1,820
1871-1875	501,841	32,084	36,188	20,235	402,268	5,020	3,909	2,117
1876-1880	676,761	33,714	36,303	22,067	562,302	11,236	7,437	3,782
1881-1885	791,892	42,636	44,836	28,212	641,824	17,526	12,783	4,074
1886-1890	738,379	38,788	43,063	32,046	583,661	20,389	15,070	3,382
1891-1895	892,421	49,310	60,724	33,247	709,239	20,672	13,965	5,263
1896-1900	1,157,318	79,961	66,375	35,699	887,401	45,263	26,838	17,281
1901-1906	1,453,803	124,860	97,733	46,246	1,080,540	76,942	29,738	28,044
1906-1910	1,778,697	180,836	154,743	82,142	1,212,978	97,240	82,358	18,400
1911-1915	2,370,539	237,091	182,315	122,243	1,517,404	133,848	51,506	36,632
1915-1920	6,521,190	780,221	508,439	360,744	4,123,823	562,476	109,121	81,668
1921-1925	4,397,026	627,381	444,578	297,115	2,317,944	498,853	141,426	69,729
1910-1914	2,165,818	319,800	181,205	121,028	1,350,800	121,042	47,715	34,638
1915-1919	5,308,823	638,704	340,971	256,897	3,534,473	408,716	87,382	52,860
1883	823,839	47,032	52,296	29,571	659,867	16,785	14,011	4,177
1884	740,514	46,861	45,356	31,227	583,798	17,371	13,347	2,555
1885	742,190	40,589	36,225	27,735	599,241	21,444	13,818	3,187
1886	679,525	35,184	36,797	26,132	541,373	22,594	14,644	2,801
1887	716,183	36,475	36,951	30,744	575,300	20,116	13,730	2,877
1888	696,965	37,697	42,359	29,579	549,093	19,564	34,580	2,123
1889	742,401	42,528	47,023	35,021	578,903	19,371	16,060	3,497
1890	857,829	41,967	52,133	38,753	693,736	20,279	16,346	4,614
1891	894,481	39,844	56,705	33,706	704,798	26,170	18,497	4,758
1892	1,030,274	45,260	60,306	33,146	850,623	20,368	15,512	5,061
1893	847,645	48,828	70,963	32,639	661,977	17,017	11,046	5,196
1894	892,141	58,470	61,223	33,212	700,871	21,669	11,772	4,924
1895	907,538	54,152	54,434	33,526	627,929	19,134	12,997	6,378
1896	882,607	61,231	55,336	36,298	673,044	25,792	17,035	13,871
1897	1,050,994	66,196	68,762	33,799	813,396	39,376	22,656	16,953
1898	1,231,482	83,095	54,533	33,822	973,809	44,836	21,875	17,516
1899	1,227,023	89,765	68,167	35,660	936,602	48,764	29,471	18,594
1900	1,364,483	97,517	90,078	38,946	1,040,188	67,554	40,751	19,470
1901	1,487,765	107,967	98,567	44,400	1,136,505	53,418	31,365	25,543
1902	1,381,719	111,877	92,094	38,044	1,009,034	69,303	29,000	33,469
1903	1,430,142	125,967	89,515	41,128	1,029,257	62,398	33,430	38,437
1904	1,460,827	133,960	100,950	50,755	1,057,030	64,944	28,018	24,230
1905	1,518,562	143,030	117,540	56,804	1,020,973	134,705	26,879	18,541
1906	1,743,885	159,806	148,577	73,160	1,200,169	110,911	29,682	19,562
1907	1,840,851	186,176	153,694	82,157	1,298,452	101,365	32,525	16,511
1908	1,960,773	170,699	154,005	83,594	1,283,600	113,247	35,327	20,341
1909	1,663,011	167,423	142,054	76,562	1,146,755	82,982	20,200	17,035
1910	1,744,985	220,104	145,416	93,247	1,125,915	77,694	34,057	18,551
1911	2,049,320	274,478	182,582	108,895	1,306,276	103,146	44,338	23,607
1912	2,318,322	333,900	182,938	132,310	1,341,733	141,198	48,300	24,043
1913	2,465,894	420,404	197,009	146,148	1,479,075	140,441	52,716	29,089
1914	2,364,579	350,563	178,082	124,540	1,486,499	140,730	56,204	27,902
1915	2,768,699	309,112	170,984	96,324	1,971,435	139,226	63,000	28,520
1915 (6 mos.)	1,852,802	263,475	119,952	83,557	1,291,914	94,712	38,254	21,000
1916	5,482,641	613,416	411,137	250,247	3,813,278	387,735	82,797	64,011
1917	6,233,513	839,367	422,398	311,883	4,001,759	469,402	77,402	51,384
1918	6,149,088	900,248	425,238	402,710	3,838,698	499,477	104,519	56,198
1919	7,923,426	749,950	545,842	441,748	5,187,686	771,717	125,585	97,918
1920	8,229,016	984,818	644,345	625,917	4,466,091	871,579	171,605	165,602
1921	4,485,031	600,434	529,146	275,325	2,683,809	532,615	112,786	72,847
1922	3,831,777	583,454	332,203	228,075	2,083,357	448,976	101,945	55,776
1923	4,167,498	690,597	425,661	200,318	2,093,415	511,498	149,423	60,671
1924	4,500,984	633,876	458,165	314,252	2,445,300	514,592	156,505	70,294
1925	4,909,848	638,640	479,714	402,006	2,003,750	486,592	180,489	89,057
1926	4,808,660	747,685	428,797	443,507	2,310,144	564,543	212,705	101,279
1927	4,865,375	845,307	407,720	438,159	2,313,782	559,606	193,714	107,088

\* Period July 1, 1915, to Dec. 31, 1920.

## IMPORTS OF MERCHANDISE DISTRIBUTED BY CONTINENTS

to and including 1915, calendar years thereafter, except as noted. See headnote, Table 488, concerning with Asia for all years; Hawaiian Islands are with Oceania prior to 1901]

Imports								Yearly average or year
Total	North America		South America	Europe	Asia	Oceania	Africa	
	Northern	Southern						
54,321	402	11,816	1,570	25,000	5,324	34	375	
62,721	398	10,793	4,019	40,117	6,241	18	234	
96,259	1,228	15,421	8,006	61,721	10,686	152	445	1840.
173,509	5,180	16,116	16,086	123,115	12,424	9	618	1850.
353,616	23,730	44,180	24,929	216,061	29,239	1,170	2,708	1860.
238,746	35,007	46,653	23,221	115,002	14,449	1,124	3,279	1865.
435,956	36,265	74,435	42,964	240,187	37,773	1,612	2,722	1870.
577,873	32,840	96,124	63,357	321,067	55,794	2,955	2,736	1871-1875.
492,570	27,600	86,646	68,185	247,520	55,635	4,619	2,365	1876-1880.
667,142	41,989	96,309	75,940	367,542	69,906	11,370	4,085	1881-1885.
717,231	40,236	98,819	82,427	401,745	74,439	16,158	3,405	1886-1890.
785,137	36,335	128,043	116,797	397,622	85,169	16,257	4,914	1891-1895.
741,519	37,266	76,007	97,713	389,843	107,969	22,781	9,910	1896-1900.
972,162	52,762	129,634	121,746	496,296	149,537	9,085	11,151	1901-1905.
1,344,838	79,511	180,192	157,126	689,838	205,041	16,601	16,529	1906-1910.
1,712,319	131,455	248,943	219,923	798,115	270,797	19,020	24,065	1911-1915.
3,358,354	425,337	368,103	591,295	682,298	910,340	70,134	90,848	1915-1920. <sup>1</sup>
3,450,103	396,669	514,233	421,336	1,049,494	942,878	53,994	71,499	1921-1925.
1,688,874	118,518	228,618	206,858	936,498	258,524	17,276	22,573	1910-1914
2,514,557	321,382	439,019	466,212	525,122	642,479	59,002	61,342	1915-1919. <sup>2</sup>
723,181	44,756	102,139	76,787	409,713	73,752	12,530	4,531	
667,698	34,016	97,305	75,754	370,957	67,844	12,708	4,114	1884.
577,527	36,979	80,471	65,290	318,733	60,834	12,099	3,121	1885.
635,436	37,506	87,927	65,875	357,536	69,396	13,964	3,228	1886.
692,320	38,087	92,704	79,764	390,728	72,675	14,604	3,557	1887.
723,957	43,116	96,703	84,356	407,052	73,213	16,206	3,312	1888.
745,132	43,039	107,826	92,135	403,421	75,846	19,253	3,610	1889.
789,310	39,434	108,984	90,006	449,967	80,863	16,764	3,321	1890.
844,916	39,450	123,776	118,737	459,305	78,967	20,454	4,207	1891.
827,402	35,335	133,719	150,726	391,626	88,850	16,824	5,318	1892.
866,401	38,254	145,479	102,208	456,460	99,316	16,828	5,857	1893.
654,995	31,444	135,519	100,147	296,078	74,876	14,450	3,470	1894.
731,970	37,191	96,724	112,167	383,646	83,813	12,720	5,709	1895.
779,725	41,376	85,501	106,826	418,689	94,575	19,632	11,173	1896.
764,730	40,863	68,061	107,289	430,192	91,678	20,017	9,530	1897.
616,050	32,404	58,973	92,092	365,934	96,425	23,029	7,194	1898.
697,148	31,690	80,460	86,568	353,885	111,501	22,568	10,436	1899.
849,941	39,999	90,037	93,667	440,567	145,814	26,640	11,216	1900.
823,172	42,935	102,223	110,367	429,620	122,089	6,974	8,964	1901.
903,321	48,846	102,230	119,786	475,162	136,295	7,554	13,448	1902.
1,025,719	58,699	134,067	107,428	547,227	159,075	9,671	12,582	1903.
991,087	52,701	146,078	120,364	496,697	155,576	8,244	9,427	1904.
1,117,513	63,657	163,572	150,796	540,773	174,641	12,731	11,344	1905.
1,226,562	69,608	165,750	140,423	632,292	192,434	12,432	12,629	1906.
1,434,421	74,813	168,763	180,166	747,291	223,966	18,275	21,127	1907.
1,194,342	70,301	162,515	194,999	608,014	191,332	14,891	16,291	1908.
1,311,920	80,467	173,533	163,879	654,323	200,000	17,628	15,109	1909.
1,586,947	96,371	210,397	196,165	806,270	210,473	19,782	17,490	1910.
1,527,226	102,204	208,233	182,624	766,168	230,850	12,874	27,214	1911
1,633,265	110,145	223,927	215,089	819,565	248,725	13,207	22,566	1912.
1,813,006	127,784	240,179	217,735	892,866	297,505	16,533	26,425	1913.
1,893,926	162,046	265,353	222,677	895,608	305,115	23,962	18,149	1914.
1,674,170	161,055	312,025	261,490	614,355	271,790	28,502	24,963	1915.
912,787	107,626	140,821	166,219	271,684	191,667	18,021	16,730	1915 (6 mos.).
2,391,635	240,161	418,277	427,610	633,317	550,866	59,511	61,893	1916.
2,952,466	419,124	452,858	598,819	551,145	820,624	39,835	73,064	1917.
3,031,213	457,600	516,956	610,931	318,121	999,301	102,737	85,506	1918.
3,904,365	500,165	657,009	687,525	750,528	1,107,733	88,616	112,188	1919.
5,278,481	614,618	1,048,045	760,999	1,227,843	1,396,677	80,014	150,285	1920.
2,509,148	337,632	417,217	296,623	764,942	617,862	35,499	40,373	1921.
3,112,747	366,534	455,930	358,763	991,203	626,886	48,517	64,924	1922.
3,792,066	418,348	563,169	467,421	1,157,056	1,019,811	59,200	87,061	1923.
3,606,963	402,047	569,108	466,074	1,096,967	930,708	48,945	72,992	1924.
4,226,589	458,791	521,742	518,797	1,238,181	1,319,126	77,808	92,144	1925.
4,430,868	485,503	626,067	567,979	1,285,863	1,400,701	68,365	96,420	
4,184,742	484,499	500,959	518,275	1,276,466	1,256,758	84,531	93,255	

\* Fiscal years ended June 30.



## No. 491.—PERCENTAGE DISTRIBUTION OF EXPORTS AND IMPORTS, BY CONTINENTS

(NOTE.—Percentages are based on figures shown in Table 490)

Yearly average or year	Per cent of total exports							Per cent of total imports						
	North America		South America	Europe	Asia	Oceania	Africa	North America		South America	Europe	Asia	Oceania	Africa
	North- ern	South- ern						North- ern	South- ern					
1821.....	4.4	22.0	4.1	65.3	3.6	0.1	0.6	0.7	21.7	2.9	64.2	9.8	0.1	0.7
1830.....	2.9	20.5	3.4	65.1	2.7	(?)	.8	.6	17.2	7.8	64.0	10.0	(?)	.4
1840.....	4.9	13.9	4.6	74.4	1.2	.8	.6	1.2	15.7	8.8	62.8	10.9	.2	.6
1850.....	6.6	9.9	5.4	75.2	2.1	.1	.7	3.0	9.3	9.2	71.0	7.2	(1)	.4
1860.....	6.9	8.8	4.7	74.8	2.4	1.5	1.0	6.7	12.5	9.9	61.3	8.3	.3	1.0
1865.....	10.0	20.5	7.2	57.7	1.4	2.4	.8	14.7	19.5	2.7	48.2	6.1	.6	1.4
1870.....	5.5	7.9	3.9	79.8	1.5	1.0	.5	8.3	17.1	2.9	55.1	8.7	.4	.6
1871-1875.....	5.4	7.2	4.0	80.2	1.0	.8	.4	5.9	16.6	11.0	55.6	9.7	.7	.8
1876-1880.....	5.0	5.4	3.3	83.1	1.7	1.1	.6	5.6	17.6	13.8	50.3	11.3	.9	.5
1881-1885.....	5.4	5.7	3.6	81.1	2.2	1.6	.5	6.3	14.4	11.4	55.1	10.5	1.7	.8
1886-1890.....	5.2	6.8	4.3	79.3	2.8	2.0	.5	5.6	13.8	11.5	56.0	10.4	2.3	.5
1891-1895.....	5.5	6.8	3.7	79.5	2.3	1.6	.6	4.6	16.3	14.9	50.6	10.8	2.1	.8
1896-1900.....	5.9	5.6	3.1	76.7	3.9	2.3	1.5	5.0	10.3	13.2	52.6	14.6	2.1	1.3
1901-1905.....	5.6	5.7	3.2	72.3	5.3	2.0	1.9	5.4	13.3	12.5	51.3	15.4	.9	1.1
1906-1910.....	10.2	8.7	4.6	68.2	5.5	1.8	1.0	5.9	13.4	11.7	51.3	15.2	1.2	1.2
1911-1915.....	14.2	7.7	5.2	64.0	5.8	2.2	2.1	7.7	14.5	12.8	46.6	15.8	1.1	1.4
1915-1920 <sup>1</sup> .....	12.0	7.7	5.5	63.2	5.6	1.7	1.3	12.7	17.5	17.6	20.3	27.1	2.1	2.7
1921-1925.....	14.3	10.1	6.8	52.7	11.3	3.2	1.6	11.5	14.9	12.2	30.4	27.3	1.6	2.1
1910-1914.....	14.8	8.4	5.6	62.3	5.6	2.2	1.1	7.0	13.5	12.2	49.5	15.3	1.0	1.3
1915-1919 <sup>1</sup> .....	12.0	6.4	4.7	66.6	7.6	1.6	1.0	12.8	17.5	18.5	20.9	25.6	2.3	2.4
1893.....	5.7	6.4	3.6	80.1	2.0	1.7	.5	6.2	14.1	10.8	56.7	10.1	1.7	.6
1894.....	5.3	6.1	4.2	78.8	2.3	1.8	.3	5.8	14.6	11.3	55.6	10.2	1.9	.6
1895.....	5.5	4.9	3.7	80.7	2.9	1.9	.4	6.4	12.9	11.3	55.2	10.5	2.1	.6
1896.....	5.2	5.4	3.8	79.7	3.3	2.2	.4	5.9	13.8	10.4	56.3	10.9	2.2	.5
1897.....	5.1	5.2	4.3	80.3	2.8	1.9	.4	5.5	13.4	11.5	56.4	10.5	2.1	.6
1898.....	5.4	6.1	4.3	78.9	2.8	2.1	.4	6.0	13.4	11.7	55.2	10.1	2.3	.5
1899.....	5.7	6.3	4.7	78.0	2.6	2.2	.5	5.8	14.5	12.4	54.1	10.2	2.6	.5
1900.....	4.9	6.1	4.6	79.7	2.4	1.9	.5	5.0	13.8	11.4	57.1	10.2	2.1	.4
1901.....	4.5	6.4	3.8	79.7	2.9	2.1	.5	4.7	14.6	14.1	54.5	9.3	2.4	.5
1902.....	4.4	5.9	3.2	82.0	2.0	1.5	.5	4.3	16.8	18.2	47.3	10.7	2.0	.6
1903.....	5.8	8.4	3.9	78.1	2.0	1.3	.6	4.4	16.8	11.8	52.9	11.5	1.9	.7
1904.....	6.6	6.9	3.7	73.6	2.4	1.3	.6	4.8	20.7	15.3	45.1	11.4	2.2	.6
1905.....	6.7	6.7	4.2	77.8	2.2	1.6	.8	5.1	13.2	15.3	52.4	11.5	1.7	.8
1906.....	6.9	6.3	4.1	76.3	2.9	1.9	1.6	5.3	11.0	14.0	53.7	12.1	2.5	1.4
1907.....	6.3	5.6	3.2	77.4	3.7	2.1	1.6	5.3	8.5	14.0	56.3	12.0	2.6	1.2
1908.....	6.9	4.4	2.7	79.1	3.6	1.8	1.4	5.3	9.6	14.9	49.7	15.7	3.7	1.2
1909.....	7.3	5.6	2.9	76.3	4.0	2.4	1.5	4.5	11.5	12.4	50.8	16.0	3.2	1.5
1900.....	7.0	6.5	2.8	74.6	4.8	2.9	1.4	4.7	10.6	11.0	51.8	17.2	3.4	1.3
1901.....	7.3	6.0	3.0	75.4	3.6	2.1	1.7	5.2	12.4	13.4	52.2	14.8	.8	1.1
1902.....	8.1	6.7	2.8	73.0	5.0	2.1	2.4	5.4	11.3	13.3	52.0	15.1	.8	1.5
1903.....	8.9	6.3	2.9	72.5	4.4	2.4	2.7	5.4	13.1	10.5	53.4	15.5	.9	1.2
1904.....	9.2	6.9	3.5	72.4	4.4	1.9	1.7	5.3	14.7	12.1	50.3	15.7	.8	1.0
1905.....	9.4	7.7	3.7	67.2	8.9	1.8	1.2	5.7	14.6	13.5	48.4	15.6	1.1	1.0
1906.....	9.2	8.5	4.3	68.8	6.4	1.7	1.1	5.7	13.5	11.4	51.0	15.7	1.0	1.8
1907.....	9.9	8.7	4.4	69.0	5.4	1.7	.9	5.2	13.2	11.2	52.1	15.6	1.3	1.5
1908.....	9.2	8.3	4.5	69.0	6.1	1.9	1.1	6.4	13.6	10.5	50.9	16.0	1.2	1.4
1909.....	10.1	8.5	4.6	69.0	5.0	1.8	1.0	6.1	13.2	12.5	49.9	15.8	1.3	1.2
1910.....	12.6	9.5	5.3	65.1	4.5	2.0	1.1	6.2	13.5	12.6	51.8	13.5	1.3	1.1
1911.....	13.4	8.9	5.3	63.8	5.1	2.3	1.2	6.7	13.3	12.0	50.3	15.1	.8	1.8
1912.....	15.1	8.3	6.0	60.9	6.4	2.2	1.1	6.7	13.5	13.9	49.6	15.0	.8	1.4
1913.....	17.0	8.0	5.9	60.0	5.7	2.2	1.2	6.7	13.2	12.0	49.2	16.4	.9	1.6
1914.....	14.8	7.5	5.3	62.9	6.0	2.4	1.2	8.6	14.0	11.8	47.3	14.1	1.3	1.0
1915.....	11.1	6.2	3.6	71.2	5.0	1.9	1.0	9.6	18.6	15.6	36.7	16.2	1.7	1.5
1915 (6 mos.).....	11.0	6.5	4.5	69.7	5.1	2.1	1.1	11.8	15.4	18.2	29.8	21.0	2.0	1.8
1916.....	11.2	5.7	4.0	69.6	7.1	1.5	1.0	10.0	17.6	17.9	26.5	23.0	2.3	2.6
1917.....	13.5	6.8	5.0	65.2	7.5	1.2	.8	14.2	15.3	20.3	18.7	27.8	1.2	2.5
1918.....	14.6	6.9	4.9	62.8	8.1	1.8	1.0	15.1	17.1	20.2	10.5	31.0	3.4	2.8
1919.....	9.5	6.9	5.6	65.5	9.7	1.6	1.2	12.8	16.8	17.6	19.2	28.4	2.3	2.9
1920.....	12.0	11.5	7.6	54.3	10.6	2.1	2.0	11.6	19.9	14.4	23.3	26.5	1.5	2.8
1921.....	13.4	11.8	6.1	52.7	11.9	2.5	1.0	13.5	10.6	11.8	30.5	24.6	1.4	1.6
1922.....	15.2	8.7	5.9	54.4	11.7	2.7	1.5	11.8	14.6	11.5	31.8	26.6	1.6	2.1
1923.....	15.8	10.2	6.5	50.2	12.3	3.5	1.5	11.0	15.4	12.3	30.5	26.9	1.6	2.3
1924.....	13.8	9.9	6.8	53.3	11.2	3.4	1.5	11.1	16.4	12.9	30.4	25.8	1.4	2.0
1925.....	13.4	9.8	8.2	53.0	9.9	3.9	1.8	10.9	12.3	12.3	29.3	31.2	1.8	2.2
1926.....	15.5	8.9	9.2	48.0	11.7	4.4	2.1	11.0	11.9	12.8	29.0	31.6	1.5	2.2
1927.....	17.3	8.4	9.0	47.6	11.6	4.0	2.2	11.6	12.0	12.4	30.5	30.0	1.3	2.2

<sup>1</sup> Less than one-tenth of 1 per cent.<sup>2</sup> Period July 1, 1915, to Dec. 31, 1920.<sup>3</sup> Fiscal years.

**No. 492.—PERCENTAGE DISTRIBUTION OF EXPORTS OF DOMESTIC MERCHANDISE AND OF IMPORTS, BY ECONOMIC CLASSES**

[NOTE.—Percentages are based on figures shown in Table 488]

Year or yearly average	Per cent of total domestic exports					Per cent of total imports				
	Crude materials	Crude food-stuffs	Manufactured food-stuffs	Semi-manufactures	Finished manufactures	Crude materials	Crude food-stuffs	Manufactured food-stuffs	Semi-manufactures	Finished manufactures
1821.....	60.62	4.79	19.51	9.42	5.66	4.66	11.15	19.85	7.48	56.86
1830.....	62.65	4.65	16.32	7.04	9.34	7.65	11.77	15.39	8.22	56.97
1840.....	67.83	4.09	14.27	4.34	9.47	12.36	15.54	15.46	11.56	45.09
1850.....	62.36	5.59	14.84	4.49	12.72	7.24	10.38	12.37	14.08	54.98
1860.....	68.62	3.85	12.21	3.99	11.33	11.60	12.94	16.92	9.87	48.68
1865.....	24.98	10.20	35.04	7.79	22.00	12.37	14.72	20.12	12.52	40.27
1870.....	56.77	11.12	13.53	3.66	14.96	12.99	12.41	22.08	12.75	39.82
1871-1875.....	44.94	15.47	19.59	4.67	15.33	16.12	14.12	20.07	13.56	39.27
1876-1880.....	32.24	23.93	24.39	4.55	14.87	18.55	18.56	21.49	12.45	29.35
1881-1885.....	33.78	21.00	25.50	4.78	14.94	19.98	14.90	19.15	13.73	32.26
1886-1890.....	38.13	14.98	25.01	5.52	16.36	22.65	15.77	16.49	15.76	29.33
1891-1895.....	33.67	17.21	27.22	6.32	15.57	23.59	18.66	17.92	14.37	25.45
1896-1900.....	26.11	18.90	24.01	9.64	21.33	29.47	15.08	15.93	13.35	26.17
1901-1905.....	30.27	12.19	22.16	11.30	24.07	33.38	12.92	12.36	16.65	24.69
1906-1910.....	31.68	8.90	18.12	14.23	27.07	34.56	10.98	11.80	17.82	24.84
1911-1915.....	30.74	8.83	14.32	15.41	30.70	34.91	12.80	12.56	17.37	22.36
1915-1920 <sup>1</sup> .....	18.22	9.16	17.66	15.39	39.58	40.13	12.15	16.21	17.10	14.40
1921-1925.....	27.54	9.74	13.93	12.45	36.33	37.40	11.09	12.99	17.66	20.86
1910-1914.....	33.48	5.94	13.84	16.08	30.71	35.23	12.03	11.50	18.18	23.05
1915-1919 <sup>2</sup> .....	16.13	9.62	18.09	16.67	39.47	41.33	12.43	14.14	17.64	14.50
1883.....	36.58	20.29	23.18	4.72	15.23	20.22	12.87	19.65	13.66	32.59
1884.....	33.64	17.99	26.86	5.21	16.30	19.69	15.43	19.59	14.18	31.12
1885.....	34.58	16.97	27.77	5.42	15.25	20.86	16.16	17.82	13.55	31.61
1886.....	38.58	15.13	24.43	5.11	16.76	22.78	14.41	17.75	14.40	30.65
1887.....	35.94	17.85	25.00	5.22	15.99	21.86	15.36	16.14	17.34	29.29
1888.....	40.00	12.63	24.84	5.88	16.65	22.65	16.03	15.34	16.80	29.17
1889.....	39.85	13.54	23.90	5.85	16.87	23.11	16.53	16.41	15.44	28.52
1890.....	36.61	15.62	26.59	5.50	15.68	22.79	16.28	16.89	14.81	29.23
1891.....	40.28	12.17	25.96	5.49	16.09	22.79	17.83	17.48	16.15	25.75
1892.....	31.48	25.84	24.66	4.95	13.07	23.54	21.22	16.89	13.63	24.72
1893.....	30.28	18.43	29.73	5.94	15.63	25.00	15.19	17.75	15.65	26.40
1894.....	32.60	15.30	28.77	7.72	15.61	20.56	20.35	23.72	12.65	22.72
1895.....	33.94	12.50	27.61	7.85	18.10	25.62	19.31	14.63	13.18	27.26
1896.....	29.80	14.90	25.41	8.85	21.04	26.06	16.67	15.24	12.95	29.07
1897.....	29.49	17.58	22.79	9.52	20.63	26.25	16.79	16.90	11.57	28.48
1898.....	24.44	25.21	23.54	8.43	18.38	31.44	16.88	13.97	12.88	24.84
1899.....	23.75	19.35	25.31	9.78	21.81	30.60	14.19	17.71	13.19	24.32
1900.....	24.81	16.48	23.32	11.18	24.20	33.14	11.52	15.65	15.79	23.90
1901.....	28.17	16.83	23.09	10.16	21.76	30.88	13.43	15.25	15.49	24.96
1902.....	28.60	13.63	24.26	9.75	23.75	34.13	13.31	10.56	16.34	25.62
1903.....	29.85	13.31	23.22	10.10	23.52	32.80	11.62	11.37	19.08	25.13
1904.....	32.54	9.46	21.52	12.19	24.30	33.05	13.34	11.93	16.17	25.51
1905.....	32.08	7.92	18.97	14.07	26.96	35.42	13.08	13.01	15.91	22.58
1906.....	29.53	10.32	20.22	13.17	26.76	34.55	10.96	11.44	17.96	25.10
1907.....	32.40	9.03	18.65	14.00	25.98	34.00	10.44	11.06	19.11	25.39
1908.....	30.70	10.30	18.10	14.23	26.08	31.31	12.19	12.31	16.42	27.77
1909.....	32.27	8.28	18.47	14.11	26.87	35.13	12.51	12.63	16.94	22.80
1910.....	33.57	6.42	15.16	15.66	29.19	37.11	9.30	11.66	18.31	23.62
1911.....	35.79	5.13	14.01	15.35	29.72	34.36	11.87	11.26	18.84	23.67
1912.....	33.69	4.60	14.69	16.04	32.98	34.66	13.93	11.86	17.77	21.78
1913.....	30.48	7.49	13.23	16.83	31.97	35.82	11.68	10.72	19.27	22.51
1914.....	34.33	5.90	12.59	16.06	31.11	34.31	13.09	12.02	16.86	23.72
1915.....	21.77	18.66	16.74	13.10	29.73	35.33	13.38	17.07	14.17	20.04
1915 (6 mos.).....	16.66	8.67	16.08	14.72	43.87	41.46	14.29	12.43	15.75	16.08
1916.....	15.04	7.76	11.96	16.82	48.43	43.04	10.88	14.13	17.45	14.46
1917.....	13.50	8.28	13.08	21.39	43.77	43.56	13.07	11.90	18.18	13.28
1918.....	16.07	9.06	23.25	17.41	34.22	40.70	11.41	13.12	21.43	13.34
1919.....	20.94	8.75	25.32	11.90	33.08	43.57	13.97	14.23	15.60	12.64
1920.....	23.30	11.36	13.82	11.86	39.66	33.79	10.94	23.46	15.20	16.61
1921.....	22.46	15.38	15.66	9.38	37.12	34.23	11.96	14.68	14.41	24.71
1922.....	26.25	12.18	15.62	11.63	34.32	37.91	10.59	12.44	17.76	21.30
1923.....	29.54	6.29	14.26	13.78	36.12	37.10	9.58	13.98	19.00	20.34
1924.....	29.63	8.73	12.75	13.57	35.32	34.86	11.77	14.45	18.17	20.76
1925.....	29.51	6.60	11.90	13.73	38.26	41.36	11.71	10.24	17.87	18.83
1926.....	26.77	7.11	10.67	13.91	41.54	40.47	12.18	9.42	18.15	19.78
1927.....	25.07	8.86	9.74	14.70	41.64	38.25	12.06	10.77	17.92	21.09

<sup>1</sup> Period July 1, 1915, to Dec. 31, 1920.<sup>2</sup> Fiscal years.

**No. 498.—FOREIGN TRADE WITH EACH CONTINENT, BY ECONOMIC CLASSES**

[NOTE.—Values in millions and tenths of millions of dollars. Data prior to 1915 are for years ended June 30; thereafter, for calendar years. The Philippine Islands are included in Oceania prior to 1922 and in Asia for later years. Therefore, Asia and Oceania are combined for the averages.]

	1905- 1909 <sup>1</sup>	1910- 1914 <sup>1</sup>	1921 1925 <sup>1</sup>	1924	1925	1926	1927
<b>EXPORTS (DOMESTIC)</b>							
North America.....	297.8	483.3	1,028.3	1,044.3	1,079.3	1,112.5	1,184.6
Crude materials.....	54.5	84.2	165.9	170.3	123.3	184.2	179.7
Crude foodstuffs.....	20.8	31.5	127.8	155.3	109.9	111.9	165.6
Manufactured foodstuffs.....	39.3	54.7	112.7	107.7	117.0	108.0	101.3
Semimanufactures.....	35.9	70.4	122.6	127.6	141.7	155.6	158.5
Finished manufactures.....	145.1	240.6	500.3	482.4	587.4	553.9	579.6
South America.....	74.4	190.5	394.1	312.1	400.4	442.8	435.6
Crude materials.....	.8	2.7	7.9	9.2	6.3	15.8	6.3
Crude foodstuffs.....	.9	1.3	4.0	3.1	4.8	11.7	6.8
Manufactured foodstuffs.....	5.5	11.9	21.9	23.5	32.8	31.4	28.4
Semimanufactures.....	11.5	21.8	46.1	53.0	65.6	67.6	76.9
Finished manufactures.....	52.7	82.8	214.3	223.3	291.0	314.3	317.2
Europe.....	1,178.0	1,333.8	2,279.5	2,401.5	2,575.7	2,290.6	2,279.8
Crude materials.....	459.7	594.9	873.5	1,007.4	1,116.9	876.2	802.9
Crude foodstuffs.....	131.0	89.6	276.4	219.4	194.6	194.9	239.8
Manufactured foodstuffs.....	255.5	210.0	419.0	396.0	382.6	317.8	284.5
Semimanufactures.....	174.4	229.8	263.7	306.4	357.0	300.5	345.0
Finished manufactures.....	167.5	209.5	445.3	470.4	524.6	591.2	607.0
Asia <sup>2</sup> .....	139.0	168.3	637.7	513.4	485.5	563.4	558.9
Crude materials.....	17.2	27.1	135.0	131.9	160.9	165.5	191.3
Crude foodstuffs.....	2.6	3.1	13.9	13.1	8.4	14.6	7.9
Manufactured foodstuffs.....	15.1	15.2	35.7	36.4	29.3	33.0	36.2
Semimanufactures.....	14.2	17.1	96.4	100.1	73.2	103.6	56.1
Finished manufactures.....	69.6	105.8	355.6	232.0	213.7	246.7	235.0
Oceania.....				156.1	189.9	312.1	193.9
Crude materials.....				8.5	9.0	10.3	8.3
Crude foodstuffs.....				.2	.1	.7	.6
Manufactured foodstuffs.....				4.3	5.3	5.7	4.9
Semimanufactures.....				15.2	17.2	20.7	22.7
Finished manufactures.....				127.9	157.3	174.6	156.7
Africa.....	18.4	24.8	66.6	70.2	92.9	101.2	107.0
Crude materials.....	1.4	2.3	6.4	5.4	5.6	9.2	4.3
Crude foodstuffs.....	2.1	1.0	1.7	.6	.1	1.3	.4
Manufactured foodstuffs.....	3.7	3.2	6.8	5.8	6.8	7.1	7.9
Semimanufactures.....	1.6	2.5	5.7	6.4	7.1	7.5	7.9
Finished manufactures.....	9.5	15.6	49.0	52.1	69.4	76.1	86.4
<b>IMPORTS</b>							
North America.....	243.8	347.1	910.9	995.2	980.5	1,011.8	983.5
Crude materials.....	76.8	114.0	220.0	212.5	246.4	223.9	207.1
Crude foodstuffs.....	35.2	53.8	113.4	112.3	127.7	147.3	144.7
Manufactured foodstuffs.....	74.2	102.7	298.3	349.4	246.0	238.1	253.9
Semimanufactures.....	39.7	46.4	148.6	152.0	170.8	169.8	170.7
Finished manufactures.....	17.9	30.1	130.6	169.0	183.5	212.5	208.4
South America.....	148.1	206.9	421.3	486.1	518.8	568.0	518.3
Crude materials.....	57.2	78.9	131.6	116.7	145.7	157.1	114.6
Crude foodstuffs.....	70.5	95.6	107.7	241.7	274.7	307.3	298.0
Manufactured foodstuffs.....	2.6	3.2	8.7	9.3	5.8	9.9	9.7
Semimanufactures.....	16.9	26.8	78.1	96.6	90.2	89.4	71.3
Finished manufactures.....	8	2.4	5.3	1.8	2.4	4.3	4.6
Europe.....	636.7	856.5	1,049.5	1,096.1	1,258.2	1,265.9	1,276.5
Crude materials.....	166.8	229.4	339.4	262.5	337.8	306.7	261.1
Crude foodstuffs.....	21.3	30.3	27.7	27.5	35.8	32.5	34.1
Manufactured foodstuffs.....	55.0	79.9	79.7	85.1	91.6	97.7	100.0
Semimanufactures.....	138.1	196.5	261.3	266.9	321.5	361.2	349.1
Finished manufactures.....	255.5	309.4	440.8	454.1	451.5	447.8	522.1
Asia <sup>2</sup> .....	213.1	275.6	996.9	930.7	1,319.1	1,400.7	1,256.8
Crude materials.....	113.1	151.0	655.3	582.6	891.1	949.4	852.3
Crude foodstuffs.....	20.7	23.0	34.0	32.7	41.4	37.2	37.7
Manufactured foodstuffs.....	9.5	17.5	60.9	72.7	83.6	65.6	81.9
Semimanufactures.....	23.3	37.1	104.7	119.8	146.4	138.6	144.1
Finished manufactures.....	36.5	47.2	141.9	122.9	156.4	169.8	143.5
Oceania.....				48.9	77.8	68.4	54.5
Crude materials.....				42.0	70.5	59.4	47.0
Crude foodstuffs.....				.6	.8	.4	.4
Manufactured foodstuffs.....				4.5	4.4	5.7	4.7
Semimanufactures.....				1.1	1.2	1.6	1.3
Finished manufactures.....				.8	.9	1.2	1.1
Africa.....	15.8	22.8	71.5	73.0	92.1	96.4	93.3
Crude materials.....	14.7	21.6	40.2	42.0	55.6	55.5	48.0
Crude foodstuffs.....	.3	.4	10.5	10.0	14.4	15.1	19.7
Manufactured foodstuffs.....	( <sup>3</sup> )	( <sup>3</sup> )	.0	.7	1.2	.7	.6
Semimanufactures.....	1	.3	13.1	19.5	20.0	24.0	23.3
Finished manufactures.....	2	2	1.1	8	1.1	1.0	1.5

<sup>1</sup> Average for period. <sup>2</sup> "Asia and Oceania" for 1905-1909, 1910-1914, and 1921-1925. <sup>3</sup> Less than \$50,000.

### No. 494.—PER CENT EACH CONTINENT FURNISHES OR TAKES OF TOTAL TRADE IN EACH ECONOMIC CLASS

[NOTE.—Per cents are based on data shown in Table 493, except calculations were made from the full figures]

Continent	1905- 1909, aver- age	1910- 1914, aver- age	1921- 1925, aver- age	1926	1927	1905- 1909, aver- age	1910- 1914, aver- age	1921- 1925, aver- age	1926	1927
	Crude materials					Foodstuffs				
<b>Exports (domestic):</b>										
North America.....	10.6	12.1	14.0	14.6	15.1	12.5	20.4	23.5	26.2	30.2
South America.....	.1	.4	.7	1.3	.5	2.0	3.1	2.5	5.1	4.0
Europe.....	85.8	83.4	73.5	69.5	67.3	80.6	71.1	68.1	61.2	59.3
Asia and Oceania.....	3.2	3.8	11.4	13.9	16.7	3.7	4.3	5.0	6.4	5.6
Africa.....	.3	.3	.5	.7	.4	1.2	1.0	.8	1.0	.9
<b>Imports:</b>										
North America.....	17.9	19.2	17.0	12.5	13.0	36.5	39.4	49.5	40.2	41.7
South America.....	13.4	13.3	10.2	8.8	10.3	24.4	24.9	24.8	23.1	29.1
Europe.....	38.9	38.6	18.6	17.1	17.6	25.5	25.4	12.9	13.6	14.0
Asia and Oceania.....	26.4	25.4	50.7	58.5	56.2	13.4	10.2	11.4	11.4	13.1
Africa.....	3.4	3.6	3.6	3.1	3.0	.1	.1	1.3	1.7	2.1
	Semimanufactures					Finished manufactures				
<b>Exports (domestic):</b>										
North America.....	15.1	20.6	22.9	23.7	22.6	31.9	36.8	32.0	28.3	29.2
South America.....	4.8	6.4	8.6	10.3	11.0	11.6	12.7	13.7	16.1	16.0
Europe.....	73.4	67.3	49.3	45.8	49.4	34.7	32.0	28.5	30.2	30.6
Asia and Oceania.....	6.0	5.0	18.0	19.0	15.8	19.7	16.2	22.7	21.5	19.8
Africa.....	.7	.7	1.1	1.1	1.1	2.1	2.4	3.1	3.9	4.4
<b>Imports:</b>										
North America.....	18.2	15.1	24.5	23.6	22.8	5.8	7.7	18.1	24.2	23.7
South America.....	7.7	8.7	12.9	11.1	9.5	.3	.6	.7	.5	.5
Europe.....	63.3	64.0	43.1	44.9	45.2	82.2	79.5	61.2	55.6	59.4
Asia and Oceania.....	10.7	12.1	17.3	17.4	19.4	11.7	12.1	19.7	19.5	16.2
Africa.....	( <sup>1</sup> )	.1	2.2	3.0	3.1	.1	.1	.2	.1	.2

<sup>1</sup> Less than one-tenth of 1 per cent.

### No. 495.—PER CENT EACH ECONOMIC CLASS FORMS OF TOTAL TRADE WITH EACH CONTINENT

[NOTE.—Per cents are based on data shown in Table 493, except calculations were made from the full figures]

Class	1905- 1909, aver- age	1910- 1914, aver- age	1921- 1925, aver- age	1926	1927	1905- 1909, aver- age	1910- 1914, aver- age	1921- 1925, aver- age	1926	1927
	North America					South America				
<b>Exports (domestic)</b> .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	19.0	17.8	16.1	16.5	15.2	1.1	2.2	2.7	3.6	1.4
Foodstuffs.....	20.2	17.8	23.4	19.7	22.5	12.7	10.9	8.8	9.8	8.1
Semimanufactures.....	12.0	14.6	11.9	14.0	13.4	15.5	18.1	15.7	15.3	17.6
Finished manufactures.....	48.8	49.8	48.6	49.7	48.9	70.8	68.7	72.9	71.3	72.8
<b>Imports</b> .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	31.5	32.9	24.2	22.1	21.1	38.7	38.1	31.2	27.7	31.8
Foodstuffs.....	44.9	45.1	45.2	38.1	40.5	49.4	47.8	49.0	55.8	53.6
Semimanufactures.....	16.3	13.4	16.3	18.8	17.3	11.4	13.0	18.5	15.7	13.8
Finished manufactures.....	7.4	8.7	14.3	21.0	21.2	.5	1.1	1.3	.7	.9
	Europe					Asia and Oceania				
<b>Exports (domestic)</b> .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	39.0	44.6	38.3	38.4	35.2	12.4	16.1	21.2	22.7	26.6
Foodstuffs.....	32.8	22.5	30.5	22.5	23.0	12.9	10.8	7.9	7.0	6.6
Semimanufactures.....	14.8	17.2	11.6	13.2	15.2	10.2	10.2	15.1	16.0	14.7
Finished manufactures.....	13.4	15.7	19.6	25.9	26.6	64.5	62.9	55.8	54.3	52.1
<b>Imports</b> .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials.....	26.2	27.4	22.9	23.8	22.0	53.1	54.7	65.7	71.4	68.6
Foodstuffs.....	12.0	12.1	10.2	10.1	10.5	18.9	14.7	9.5	7.4	9.5
Semimanufactures.....	21.7	23.5	24.9	28.1	26.6	10.9	13.5	10.5	9.5	11.1
Finished manufactures.....	40.1	37.0	42.0	37.9	40.9	17.1	17.1	14.2	11.6	10.8

## No. 496.—EXPORTS (DOMESTIC AND FOREIGN) AND IMPORTS OF MER

[NOTE.—In the case of some countries, especially those having no seaports, there is considerable indirect imports from them; for such countries the apparent balance of trade may be far from

[All figures in

Country	Imports							
	1910- 1914, average	1921- 1925, average	1923	1925	1926	1927	1928	1929
<b>Grand total</b> .....	1,638,874	2,450,102	2,112,767	2,792,088	2,808,983	4,226,889	4,430,885	4,124,742
<b>North America,</b> <b>total</b> .....	247,136	910,902	622,464	1,001,512	896,126	880,522	1,011,570	965,456
<b>1. Northern</b> .....	116,519	396,682	306,624	412,342	402,047	458,791	485,583	484,489
Canada.....	117,212	293,771	254,025	416,006	399,148	454,235	475,861	475,028
Newfoundland and Labrador.....	1,272	2,525	2,302	2,106	2,509	3,712	2,029	9,086
Miquelon and St. Pierre.....	7	37	3	2	19	152	■	58
Greenland.....	123	332	■	175	311	691	519	347
<b>2. Southern</b> .....	228,617	514,220	453,930	589,169	494,109	421,731	525,987	480,967
Mexico.....	70,479	147,488	122,088	140,142	167,087	178,825	169,305	137,616
<b>Central America</b> .....	17,369	36,357	51,147	57,281	57,262	42,625	48,875	40,420
British Honduras.....	1,425	2,421	2,221	2,227	2,155	2,834	2,848	3,749
Costa Rica.....	3,793	5,090	5,495	4,631	4,689	4,792	7,062	5,023
Guatemala.....	2,845	10,015	8,784	11,267	10,089	11,328	14,491	10,179
Honduras.....	2,755	5,967	5,249	4,937	5,990	8,719	8,720	9,311
Nicaragua.....	1,420	4,987	3,174	5,428	5,453	6,188	5,975	4,227
Panama.....	2,781	4,635	3,007	4,267	5,004	6,431	5,549	5,394
Salvador.....	1,228	3,261	2,619	4,524	3,912	2,322	4,237	1,545
<b>West Indies and Ber-</b> <b>mudas</b> .....	140,770	330,388	294,692	405,747	388,760	300,262	307,837	282,714
Bermudas.....	598	1,076	1,026	1,099	1,195	893	1,124	1,107
Barbados.....	1,308	351	512	359	206	456	569	496
Jamaica.....	6,140	5,878	7,262	6,626	5,174	8,238	9,111	9,723
Trinidad and To- bago.....	5,490	5,199	4,520	5,162	4,852	5,970	8,234	7,461
Other British.....	1,434	2,372	1,908	1,923	2,859	3,028	3,380	3,862
Cuba.....	122,077	299,605	267,837	376,443	361,721	261,673	250,600	256,795
Dominican Re- public.....	3,617	8,138	4,842	8,350	5,826	7,258	8,131	11,026
Netherlands West In- dies.....	474	4,290	2,700	3,592	4,140	9,298	24,386	20,933
French West Indies.....	59	168	82	56	218	387	162	106
Haiti.....	794	1,651	1,211	1,722	1,166	2,060	1,379	1,247
Virgin Islands of U. S.....	221	660	734	415	394	1,021	810	968
<b>South America,</b> <b>total</b> .....	206,366	421,336	356,763	467,421	466,074	519,797	567,979	518,975
<b>3. Caribbean</b> .....	22,545	66,632	51,224	60,679	75,887	84,769	115,190	118,849
Colombia.....	11,945	49,370	36,064	45,706	57,729	63,376	90,242	87,603
Guyana.....	■	■	■	■	■	■	■	■
British Surinam (Nether- lands).....	494	675	309	762	931	960	1,206	981
French Venezuela.....	944	737	696	821	613	743	361	1,412
French.....	38	177	335	179	151	103	66	46
Venezuela.....	9,122	14,873	13,929	13,112	16,463	19,594	22,319	28,598
<b>4. East Coast</b> .....	148,280	261,361	223,627	282,139	262,230	318,877	342,613	319,075
Argentina.....	32,878	83,270	85,678	115,276	75,298	80,170	88,068	97,240
Falkland Islands.....	■	468	■	1,272	411	655	104	■
Brazil.....	110,878	152,170	120,383	143,234	179,337	221,572	235,307	203,027
Paraguay.....	39	655	1,064	545	114	380	541	913
Uruguay.....	4,485	14,799	16,502	21,811	7,070	16,100	18,502	10,895
<b>5. West Coast</b> .....	36,084	104,142	83,901	124,703	127,937	115,154	110,276	87,380
Bolivia.....	2	1,062	722	2,354	84	84	290	218
Chile.....	22,881	77,186	59,714	91,801	98,284	89,194	81,442	61,857
Ecuador.....	3,370	6,859	7,492	6,146	6,697	8,702	6,757	5,194
Peru.....	9,780	19,015	16,872	24,402	22,892	17,174	21,797	20,091

For footnotes, see p. 465.



## No. 496.—EXPORTS (DOMESTIC AND FOREIGN) AND IMPORTS OF MERCHANT

[All figures in

Country	Imports							
	1910- 1914, average	1921- 1925, average	1922	1923	1924	1925	1926	1927
Europe, total.....	836,499	1,049,494	991,903	1,157,056	1,096,067	1,233,181	1,285,833	1,278,466
6. Northwestern and Central.....	723,839	884,987	846,078	984,179	924,146	1,035,645	1,070,239	1,050,866
Sweden.....	9,530	34,073	33,350	36,184	40,031	41,083	44,018	47,896
Norway.....	8,086	18,498	14,706	20,099	21,392	23,289	25,055	22,231
Denmark.....	2,597	6,029	4,164	6,630	6,168	4,828	5,508	4,145
Iceland.....	71	106	297	56	32	97	178	92
United Kingdom.....	278,897	356,035	356,867	404,072	366,466	412,705	383,198	357,931
Irish Free State.....		( <sup>1</sup> )				1,269	1,476	1,597
Belgium.....	40,360	58,335	53,848	68,005	65,559	69,019	77,793	72,234
France.....	130,130	147,875	142,809	149,613	147,636	157,433	152,020	167,800
Netherlands.....	34,937	70,625	63,795	77,521	74,044	92,539	101,855	87,242
Austria.....	18,077	4,097	2,951	4,697	4,967	5,858	9,419	10,611
Czechoslovakia.....		17,373	16,606	16,673	22,423	22,838	28,302	31,726
Hungary.....	( <sup>2</sup> )	603	264	1,313	588	719	873	941
Germany.....	176,462	132,496	117,498	161,193	139,258	164,251	198,495	200,554
Switzerland.....	24,682	38,843	38,924	38,124	35,582	40,267	42,038	45,866
7. Northeastern.....	19,254	17,719	9,908	19,600	24,459	27,387	34,921	31,055
Estonia.....		400	767	492	339	320	1,235	432
Finland.....	153	7,549	5,927	10,253	8,251	7,159	9,108	8,670
Latvia.....		2,578	854	3,714	4,563	3,709	5,982	4,469
Lithuania.....		265	80	161	314	767	947	520
Poland and Danzig.....		2,369	1,944	3,633	2,848	2,527	4,147	4,825
Soviet Russia in Europe.....	19,131	4,557	335	1,347	8,144	12,905	13,503	12,139
8. Southwestern.....	79,589	115,147	100,270	129,870	110,018	140,431	151,081	149,753
Azores and Madeira Islands.....	267	2,495	2,553	2,335	2,964	1,743	1,595	1,814
Gibraltar.....	11	16	9	16	10	34	31	53
Italy.....	51,149	79,141	63,930	92,268	75,011	102,205	102,526	108,970
Portugal.....	6,552	3,855	5,110	3,789	3,041	3,651	5,560	4,565
Spain.....	21,610	29,639	28,669	31,461	28,992	32,798	41,369	34,351
9. Southeastern.....	13,827	31,642	34,948	23,407	37,464	34,718	29,632	44,792
Bulgaria.....	376	1,029	1,334	894	1,544	968	1,295	892
Greece.....	3,329	22,255	21,232	14,388	27,729	26,187	16,908	29,646
Malta, Gozo, and Cyprus Islands.....	18	160	109	123	118	228	195	226
Rumania.....	248	266	500	336	99	302	1,098	649
Turkey in Europe.....	8,859	7,421	11,571	7,473	7,288	5,602	8,981	12,394
Yugoslavia and Albania.....	996	511	202	193	686	1,431	1,155	985
Asia, total.....	258,534	942,879	826,888	1,019,811	930,709	1,319,126	1,400,701	1,256,757
10. Western.....	13,576	21,279	17,900	17,598	22,337	28,967	26,234	26,874
Aden.....	1,808	2,221	1,706	2,513	2,186	3,286	2,892	3,060
Arabia and Iraq.....		2,547	1,396	2,267	3,892	4,973	4,145	4,379
Palestine and Syria.....		2,337	1,329	2,101	3,470	4,450	2,945	4,232
Persia.....	1,377	4,773	3,347	5,181	5,456	7,212	8,401	7,527
Turkey in Asia.....	10,392	9,402	10,122	5,536	7,333	9,046	7,851	7,676
1. Southern and South-eastern.....	119,750	425,025	302,034	443,098	431,433	715,416	815,192	657,887
British India.....	56,356	109,020	91,152	127,978	103,277	144,503	150,930	131,003
Ceylon.....	9,966	27,059	20,211	27,949	25,325	48,159	55,805	40,846
British Malaya.....	24,625	153,247	93,863	153,865	147,686	314,023	383,800	277,784
Java and Madura.....	( <sup>3</sup> )	( <sup>4</sup> )	24,421	37,373	37,963	56,160	68,395	51,600
Other Netherland East Indies.....	9,194	54,962	10,003	17,517	19,557	39,674	51,222	39,788

For footnotes, see p. 466.



## DISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

(thousands of dollars)

Exports (domestic and foreign)								Country
1910- 1914, average	1921- 1925, average	1922	1923	1924	1925	1926	1927	
1,350,299	2,317,944	2,063,357	2,063,415	2,445,300	2,603,750	2,310,144	2,313,782	Europe, total.
1,222,899	1,980,637	1,765,510	1,799,075	2,096,293	2,193,586	1,984,517	1,976,378	6. Northwestern and Central.
10,033	39,443	32,468	42,403	42,313	42,465	40,854	44,689	Sweden.
7,819	28,081	31,243	27,610	23,237	26,200	24,880	23,361	Norway.
15,393	42,615	35,639	38,768	43,413	55,747	50,577	58,605	Denmark.
16	290	383	128	120	249	247	202	Iceland.
567,592	940,868	855,826	882,321	982,942	1,033,856	972,606	840,059	United Kingdom.
	(3)				7,280	16,987	10,882	Irish Free State.
53,117	111,284	101,530	100,762	116,001	120,258	99,299	116,216	Belgium.
138,841	265,196	266,965	272,131	281,664	280,299	264,004	228,781	France.
104,575	138,228	117,806	109,173	151,764	141,518	135,795	148,220	Netherlands.
20,581	2,211	1,626	1,833	3,192	2,884	2,891	4,364	Austria.
	1,665	1,148	1,080	1,951	2,854	2,968	7,442	Czechoslovakia.
(3)	330	137	128	370	819	987	1,753	Hungary.
304,098	383,219	316,114	316,837	440,418	470,344	364,162	481,681	Germany.
833	7,198	4,624	5,901	8,908	8,813	8,260	10,123	Switzerland.
25,883	58,987	54,461	36,437	57,890	90,485	66,995	92,000	7. Northeastern.
	2,081	3,103	1,417	1,389	1,584	826	918	Estonia.
3,031	10,442	9,645	11,214	9,378	12,801	12,916	16,488	Finland.
	3,047	6,804	5,285	1,126	1,305	727	1,029	Latvia.
	67	35	105	102	43	88	218	Lithuania.
	10,881	6,371	12,111	4,581	6,556	3,939	9,261	Poland and Danzig.
23,456	31,749	28,502	6,305	41,314	68,196	48,499	64,086	Soviet Russia in Europe.
96,451	268,107	231,928	239,102	268,188	296,579	240,199	219,496	8. Southwestern.
214	987	676	495	896	1,144	1,280	1,946	Azores and Madeira Islands.
473	3,412	2,723	615	907	1,348	1,677	1,450	Gibraltar.
65,966	185,237	150,894	167,532	187,146	205,151	157,402	131,651	Italy.
3,610	8,006	6,733	8,598	8,085	8,733	11,634	10,672	Portugal.
26,189	70,465	70,901	61,862	71,163	79,203	68,206	73,776	Spain.
5,068	30,943	31,488	18,801	22,999	24,199	18,433	25,909	9. Southeastern.
165	745	564	613	332	302	358	468	Bulgaria.
873	17,153	11,133	11,900	16,722	16,633	10,353	15,028	Greece.
378	1,381	1,493	1,067	1,259	1,192	1,312	1,112	Malta, Gozo, and Cyprus Islands.
1,415	2,409	2,436	1,178	1,192	2,199	3,111	4,925	Rumania.
2,225	8,058	14,287	2,947	2,943	2,773	2,510	3,380	Turkey in Europe.
12	1,198	1,546	1,096	481	1,001	789	996	Yugoslavia and Albania.
121,042	498,853	448,970	511,498	514,592	496,592	564,543	559,605	Asia, total.
2,600	8,047	8,611	4,565	5,603	7,074	6,122	7,478	10. Western.
1,345	1,099	1,729	950	471	589	549	587	Aden.
	362	297	359	339	600	1,043	1,039	Arabia and Iraq.
	3,129	3,651	2,488	3,084	4,779	3,359	3,636	Palestine and Syria.
132	950	756	245	887	439	754	1,569	Persia.
1,123	2,508	2,178	523	722	607	417	647	Turkey in Asia.
40,613	119,137	90,402	103,708	120,012	136,151	106,770	104,067	11. Southern and South-eastern.
10,904	38,188	30,737	30,250	34,901	38,282	50,013	63,297	British India.
413	1,453	789	1,561	1,589	2,386	2,858	2,674	Ceylon.
2,876	8,030	5,781	7,724	7,801	11,388	13,563	13,624	British Malaya.
(9)	(9)	6,297	8,907	9,529	13,549	17,407	23,558	Java and Madura.
3,098	17,242	1,799	3,063	4,950	5,655	10,202	8,579	Other Netherland East Indies.

## No. 496.—EXPORTS (DOMESTIC AND FOREIGN) AND IMPORTS OF MERCHANT

[All figures in

Country	Imports							
	1910- 1914, average	1921- 1925, average	1922	1922	1924	1925	1926	1927
<b>Asia—Continued.</b>								
<b>11. Southern and Southeastern—Continued.</b>								
French Indo-China.....	1	235	460	366	171	100	197	142
Philippine Islands.....	19,430	80,108	61,747	77,724	97,088	111,819	103,797	115,980
Siam.....	110	301	142	222	307	770	633	570
Other Asia.....	68	94	35	105	59	208	414	174
<b>12. Eastern.....</b>	<b>125,908</b>	<b>496,575</b>	<b>508,952</b>	<b>559,115</b>	<b>476,939</b>	<b>574,743</b>	<b>559,275</b>	<b>571,996</b>
China.....	35,323	142,035	134,609	187,602	117,888	168,939	143,204	151,680
Hong Kong.....	3,054	15,937	15,304	19,861	16,490	17,789	11,293	14,785
Kwantung.....	98	2,739	2,062	4,386	2,442	3,527	3,466	2,688
Japan.....	84,999	335,384	354,348	346,995	340,095	384,156	400,693	402,105
Soviet Russia in Asia.....	1,734	480	629	272	24	332	619	738
<b>13. Oceania, total.....</b>	<b>17,276</b>	<b>53,994</b>	<b>48,517</b>	<b>59,200</b>	<b>48,945</b>	<b>77,808</b>	<b>68,355</b>	<b>54,531</b>
Australia.....	12,312	37,534	35,782	41,089	32,868	55,110	45,738	38,627
New Zealand.....	3,758	13,821	10,436	15,573	13,525	19,734	18,826	12,671
British Oceania.....	118	864	771	1,000	649	625	1,454	1,069
French Oceania.....	1,048	1,489	1,408	1,457	1,756	1,871	2,337	2,164
Other Oceania.....	40	286	120	81	147	468		
<b>Africa, total.....</b>	<b>22,573</b>	<b>71,499</b>	<b>64,994</b>	<b>87,061</b>	<b>72,992</b>	<b>92,144</b>	<b>96,420</b>	<b>93,255</b>
<b>14. Mediterranean.....</b>	<b>18,096</b>	<b>36,232</b>	<b>37,652</b>	<b>41,854</b>	<b>32,711</b>	<b>44,999</b>	<b>39,378</b>	<b>39,338</b>
Algeria and Tunisia.....	10,733	10,2,096	1,789	2,372	1,957	2,933	3,154	4,650
Canary Islands.....	139	249	244	235	193	282	464	652
Egypt.....	16,887	33,471	35,397	38,906	30,095	41,045	35,215	33,292
Italian Africa.....	106	21	8	83	1	2	1	11
Morocco.....	232	394	213	358	465	737	542	732
Spanish Africa, n. e. s.....								1
<b>15. Other Africa.....</b>	<b>4,477</b>	<b>35,267</b>	<b>27,272</b>	<b>45,207</b>	<b>40,281</b>	<b>47,145</b>	<b>57,042</b>	<b>53,917</b>
Ethiopia.....	1	2	10	(11)	2		14	28
Belgian Congo.....	7	909	282	973	1,186	1,824	1,697	16,015
British Africa—								
West.....	12,749	12,843	11,557	17,497	12,196	17,349	19,794	23,945
South.....	2,463	9,292	8,203	13,423	7,727	9,215	19,827	8,742
East.....	942	1,750	918	1,578	1,657	3,344	2,258	1,614
Liberia.....	2	29	41	18	5	77	280	362
Madagascar.....	33	207	20	156	231	525	271	108
French Africa, n. e. s.....	(10)	10,11,775	365	524	929	1,283	1,199	1,630
Portuguese Africa.....	280	9,615						
Mozambique.....			5,789	3,186	4,924	13,444	11,563	1,300
Other.....			87	7,851	11,424	84	141	173
<b>Latin America (groups 2, 3, 4, and 5).</b>	<b>435,476</b>	<b>935,569</b>	<b>814,693</b>	<b>1,050,590</b>	<b>1,059,183</b>	<b>1,040,539</b>	<b>1,094,046</b>	<b>1,019,233</b>
<b>Far East (groups 11, 12, 13).....</b>	<b>262,233</b>	<b>975,594</b>	<b>857,503</b>	<b>1,061,413</b>	<b>957,317</b>	<b>1,367,967</b>	<b>1,442,823</b>	<b>1,284,415</b>

<sup>1</sup> Average, 1911-1914.<sup>2</sup> Irish Free State for 1925 included in average for United Kingdom.<sup>3</sup> Figures given under Austria are for Austria-Hungary.<sup>4</sup> Includes Ukraine.<sup>5</sup> Serbia and Montenegro.<sup>6</sup> Includes Greece in Asia and Armenia and Kurdistan.<sup>7</sup> Other British East Indies prior to 1922.<sup>8</sup> Included in other Netherlands East Indies.

## DISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

thousands of dollars]

Exports (domestic and foreign)								Country
1910- 1914, average	1921- 1925, average	1922	1923	1924	1925	1926	1927	
								Asia—Continued.
								11. Southern and Southeast- ern—Continued.
243	1,079	828	2,041	787	1,371	2,190	1,427	French Indo-China.
22,596	51,927	43,298	49,241	50,519	61,062	68,648	69,522	Philippine Islands.
481	1,199	871	799	925	1,444	1,852	1,940	Siam.
1	19	2	4	11	14	37	64	Other Asia.
77,829	371,609	349,957	403,236	389,077	344,367	391,651	367,449	12. Eastern.
21,578	104,175	100,357	108,595	109,189	94,442	110,205	83,471	China.
9,137	17,810	20,934	17,610	17,476	14,306	12,819	18,966	Hong Kong.
676	6,735	5,717	8,760	8,614	5,267	6,466	6,698	Kwantung.
45,290	241,877	221,555	266,949	253,009	229,642	260,754	257,570	Japan.
1,148	1,072	<sup>9</sup> 1,393	<sup>9</sup> 1,312	789	710	1,407	835	Soviet Russia in Asia.
47,716	141,436	101,946	146,423	156,505	169,489	212,705	192,714	13. Oceania, total.
38,722	111,273	80,520	119,389	125,178	148,524	168,695	159,124	Australia.
7,791	28,198	19,967	25,283	29,306	38,363	41,575	32,517	New Zealand.
296	606	388	441	581	1,065	1,425	1,156	British Oceania.
754	1,065	792	1,044	1,215	1,215	1,011	917	French Oceania.
153	284	278	267	225	322			Other Oceania.
94,638	69,729	55,776	60,671	70,994	89,057	101,279	107,088	Africa, total.
4,914	20,830	21,187	16,362	15,595	18,200	23,878	25,145	14. Mediterranean.
<sup>10</sup> 2,357	<sup>10</sup> 7,329	6,709	5,588	5,525	5,652	6,669	6,855	Algeria and Tunisia.
752	2,110	2,173	1,885	2,001	1,986	3,833	2,343	Canary Islands.
1,688	8,221	7,967	6,174	5,866	7,394	10,249	11,182	Egypt.
50	63	41	47	31	95	15	55	Italian Africa.
51	2,445	3,017	2,112	1,570	2,391	2,313	3,296	Morocco.
17	661	1,279	556	602	682	799	1,414	Spanish Africa, n. e. s.
19,794	48,899	34,569	44,309	54,699	70,857	77,401	81,942	15. Other Africa.
	10	2	5	21	7	4	18	Ethiopia.
34	469	363	322	496	787	1,233	729	Belgian Congo.
<sup>12</sup> 3,189	7,835	6,816	8,127	8,009	10,688	9,913	13,777	British Africa—
12,910	31,369	20,910	28,401	36,020	46,162	51,080	52,486	West.
708	2,306	1,556	1,455	2,562	3,840	3,977	4,843	South.
96	213	158	175	209	329	389	756	East.
18	130	137	80	139	168	287	300	Liberia.
( <sup>10</sup> )	<sup>10,12</sup> 2,350	1,659	1,885	2,600	3,256	4,066	2,928	Madagascar.
2,770	4,687							French Africa, n. e. s.
		2,501	3,157	3,946	4,907	4,959	4,872	Portuguese Africa.
		486	703	606	713	1,492	1,174	Mozambique.
								Other.
302,233	741,662	558,278	694,979	770,416	822,319	872,305	945,879	Latin America (groups 2, 3, 4, and 5).
106,158	632,232	542,304	653,357	665,594	698,007	771,126	745,841	Far East (groups 11, 12, 13).

<sup>9</sup> Includes Far Eastern Republic.<sup>10</sup> Figures given under Algeria and Tunisia include French Africa, n. e. s., for years prior to 1922.<sup>11</sup> Less than \$500.<sup>12</sup> Includes Kamerun.<sup>13</sup> Average, 1922-1925.

## No. 497.—FREE AND DUTIABLE IMPORTS BY PRINCIPAL COUNTRIES

[NOTE.—For the years 1926 and 1927 dutiable imports for consumption from Canada were probably 3 to 5 per cent less and the free imports correspondingly greater than the general imports because of wheat which was originally entered as dutiable but which was later classified as free. There was a similar difference between imports for consumption and general imports from China caused by a reclassification of carpet wool from dutiable to free and this affects to a smaller degree statistics for Argentina, British India, and other wool exporting countries. See headnotes, Tables 482 and 483.]

[All figures except percentages in thousands of dollars]

Country	1910-1914 average			1926			1927		
	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free
<b>Grand total.....</b>	<b>908,796</b>	<b>783,079</b>	<b>53.8</b>	<b>2,853,411</b>	<b>1,577,477</b>	<b>64.4</b>	<b>2,821,574</b>	<b>1,562,990</b>	<b>69.7</b>
<b>Northern North America..</b>	<b>84,446</b>	<b>54,072</b>	<b>54.4</b>	<b>380,758</b>	<b>194,746</b>	<b>74.3</b>	<b>352,388</b>	<b>182,114</b>	<b>72.7</b>
Canada <sup>1</sup> .....	63,855	53,358	54.5	352,245	128,636	74.0	344,193	180,835	72.5
Newfoundland and Labrador.....	563	707	44.4	7,039	1,100	87.8	7,810	1,256	85.1
<b>Southern North America..</b>	<b>97,129</b>	<b>131,493</b>	<b>42.5</b>	<b>238,858</b>	<b>287,229</b>	<b>45.4</b>	<b>208,086</b>	<b>294,873</b>	<b>41.1</b>
Central American countries.....	16,808	561	96.8	42,101	6,772	86.1	33,445	6,986	82.7
Mexico.....	59,387	11,092	84.3	135,441	33,865	80.0	103,059	34,756	74.8
Cuba.....	4,789	117,288	3.9	10,945	239,556	4.4	10,241	246,444	4.0
Other West Indies and Bermudas.....	16,138	2,555	86.3	50,351	6,936	87.9	59,241	6,895	89.9
<b>South America.....</b>	<b>191,833</b>	<b>15,025</b>	<b>89.7</b>	<b>479,498</b>	<b>66,481</b>	<b>84.4</b>	<b>443,907</b>	<b>75,068</b>	<b>85.5</b>
Argentina.....	22,758	10,120	68.2	27,880	60,178	31.7	41,103	55,127	42.3
Bolivia.....	2	( <sup>2</sup> )	93.2	248	32	88.6	201	17	92.2
Brazil.....	110,189	689	99.4	228,172	7,129	96.9	198,179	4,845	97.6
Chile.....	22,327	364	98.5	79,196	2,252	97.2	60,138	1,720	97.2
Colombia.....	10,952	994	91.7	89,519	723	99.2	87,281	522	99.4
Ecuador.....	3,158	212	93.7	5,782	975	85.6	4,390	796	84.7
Peru.....	8,969	811	91.7	21,067	739	96.6	19,385	706	96.5
Uruguay.....	3,539	946	78.9	3,671	14,832	19.8	2,971	7,923	27.3
Venezuela.....	8,782	340	96.3	23,216	100	99.6	23,434	164	99.4
<b>Europe.....</b>	<b>332,987</b>	<b>503,532</b>	<b>39.8</b>	<b>485,589</b>	<b>806,384</b>	<b>37.8</b>	<b>462,830</b>	<b>815,838</b>	<b>36.3</b>
Belgium.....	17,288	23,072	42.8	23,493	54,300	30.2	22,063	49,541	31.4
Czechoslovakia.....	—	—	—	2,184	20,118	7.7	3,461	28,266	10.9
Denmark.....	1,966	631	75.7	3,095	2,413	56.2	2,250	1,894	54.3
France.....	41,227	88,903	31.7	46,636	103,385	30.7	46,044	121,756	27.4
Germany.....	63,740	112,716	36.1	63,856	134,636	32.2	69,246	131,508	34.5
Greece.....	474	2,855	14.2	1,660	15,248	9.8	1,796	27,850	6.1
Italy.....	17,321	33,828	33.9	24,245	78,281	23.4	20,231	88,739	18.6
Netherlands.....	16,151	24,786	29.1	31,778	70,077	31.2	30,147	57,094	34.6
Norway.....	2,126	5,990	26.3	9,924	15,131	39.6	10,684	11,547	48.1
Soviet Russia in Europe.....	15,418	3,713	80.6	5,491	8,611	40.7	4,457	7,683	36.7
Spain.....	10,071	11,539	46.6	17,211	24,158	41.6	9,295	25,050	27.1
Sweden.....	1,965	7,575	20.5	35,307	8,711	80.2	39,555	8,341	82.6
Switzerland.....	561	24,121	2.3	5,354	36,694	12.7	5,306	40,501	11.7
United Kingdom.....	140,814	138,083	50.5	187,191	196,007	48.9	172,645	185,286	48.2
<b>Asia.....</b>	<b>187,298</b>	<b>71,836</b>	<b>72.4</b>	<b>1,172,560</b>	<b>225,141</b>	<b>83.7</b>	<b>1,043,806</b>	<b>215,152</b>	<b>83.0</b>
British India <sup>1</sup> .....	30,175	26,181	53.5	54,359	96,571	36.0	49,716	81,288	37.9
British Malaya.....	24,318	307	98.8	382,849	651	99.8	276,013	1,771	99.4
Ceylon.....	9,430	536	94.4	52,658	3,147	94.4	37,370	3,476	91.5
China.....	26,613	9,710	72.5	97,561	40,642	67.4	104,464	47,216	68.9
Netherlands East Indies.....	4,076	4,518	46.9	117,160	2,456	98.0	87,969	3,419	96.3
Hongkong.....	1,717	1,337	56.2	2,217	5,070	65.1	9,410	5,375	63.6
Japan.....	66,749	18,250	78.5	346,417	51,276	87.2	354,807	47,228	88.2
Philippine Islands.....	10,412	8	99.9	103,790	7	100.0	115,073	8	100.0
<b>Oceania.....</b>	<b>12,221</b>	<b>5,055</b>	<b>70.7</b>	<b>35,870</b>	<b>32,485</b>	<b>52.5</b>	<b>31,573</b>	<b>22,958</b>	<b>57.9</b>
Australia.....	8,254	4,656	47.1	20,103	25,035	44.0	19,047	19,580	49.3
New Zealand.....	2,521	547	77.1	12,067	7,450	64.1	9,395	3,276	74.1
<b>Africa.....</b>	<b>19,909</b>	<b>2,864</b>	<b>85.2</b>	<b>60,319</b>	<b>18,101</b>	<b>83.3</b>	<b>62,187</b>	<b>11,068</b>	<b>88.1</b>
British South Africa.....	196	1,717	28.5	6,491	9,336	52.0	4,432	4,309	50.7
British West Africa.....	654	28	98.8	7,618	2,116	80.3	21,118	827	96.5
Egypt.....	16,618	219	98.4	45,413	802	94.0	31,610	2,282	93.1

<sup>1</sup> See headnote.

<sup>2</sup> Less than \$500.

# No. 498.—EXPORTS (DOMESTIC AND FOREIGN) AND IMPORTS OF MERCHANDISE, AND DUTIES COLLECTED, BY CUSTOMS DISTRICTS

[NOTE.—“Duties collected” are as reported to the Treasury Department by collectors, subject in certain cases to subsequent refund as well as drawback. These figures are somewhat higher than duties as calculated on the basis of imports for consumption as shown in Table 457.]

[All figures in thousands of dollars]

Customs district	Exports, domestic and foreign			Imports			Duties collected
	1925	1926	1927	1925	1926	1927	
<b>Total</b> . . . . .	4,809,942	4,808,000	4,845,375	4,296,589	4,430,036	4,184,742	606,331
<b>North Atlantic coast</b> . . . . .	1,846,048	1,812,350	1,868,434	2,856,141	2,772,086	2,580,046	427,812
Maine and New Hampshire	14,778	11,315	9,142	26,620	31,157	30,346	1,661
Massachusetts	47,494	41,283	42,181	321,567	306,879	288,499	45,948
Rhode Island	101	118	81	9,145	7,424	7,238	1,589
Connecticut	175		9	8,317	7,822	6,680	800
New York	1,774,436	1,662,538	1,736,110	2,074,149	2,224,964	2,042,783	326,979
Philadelphia	119,064	97,005	90,911	215,343	196,828	204,500	47,942
<b>South Atlantic coast</b> . . . . .	447,822	466,809	498,708	174,948	180,088	194,467	35,242
Maryland	108,614	129,348	101,323	94,808	106,241	108,967	14,815
Virginia	190,016	209,520	174,229	18,142	21,599	23,922	3,572
North Carolina	13,180	9,763	12,288	13,886	8,001	20,546	7,701
South Carolina	30,241	35,485	36,082	12,776	12,067	11,702	150
Georgia	98,534	104,594	97,228	22,917	19,490	18,056	6,708
Porto Rico	7,063	7,589	7,538	11,621	12,665	11,264	2,300
<b>Gulf coast</b> . . . . .	1,296,444	1,180,944	1,100,818	300,088	323,614	343,373	48,176
Florida	73,819	56,883	62,404	31,220	35,912	26,914	3,694
Mobile	50,132	42,157	54,011	8,069	9,717	8,808	818
New Orleans	467,279	413,793	370,607	221,023	239,805	211,684	31,652
Batone	64,796	74,587	59,004	3,864	2,273	2,085	11
Galveston	639,418	533,825	554,898	35,862	28,909	35,683	10,000
<b>Mexican border</b> . . . . .	78,750	72,831	77,120	22,672	24,317	27,682	2,004
San Antonio	47,135	45,868	56,633	3,779	4,690	5,691	400
El Paso	14,556	13,449	9,971	7,397	8,747	7,190	419
Arizona	14,068	13,484	10,516	12,497	12,880	14,541	1,186
<b>Pacific coast</b> . . . . .	427,478	518,288	508,125	584,989	546,102	512,669	26,122
Washington	120,587	147,570	129,513	261,874	261,880	239,284	5,267
Oregon	41,935	78,694	78,733	12,429	12,714	14,208	1,445
San Francisco	183,292	186,773	174,568	196,537	210,129	199,999	12,172
Los Angeles	78,944	102,645	120,678	44,453	49,671	47,140	5,500
Alaska	902	522	484	847	544	786	28
Hawaii	1,845	1,684	2,268	10,829	10,264	9,172	1,711
<b>Northern border</b> . . . . .	681,437	756,472	864,284	507,373	542,486	655,008	40,148
Vermont	48,341	55,083	50,626	44,176	47,121	47,680	2,067
St. Lawrence	64,803	72,422	78,544	135,621	128,408	132,392	2,261
Rochester	7,026	9,022	8,345	7,600	8,292	8,249	2,137
Buffalo	177,764	191,676	219,904	115,496	125,668	127,936	6,198
Ohio	27,591	31,309	31,978	19,096	22,809	19,203	3,647
Michigan	252,275	272,376	279,907	84,247	101,682	91,314	4,777
Chicago	14,259	17,843	17,718	30,630	50,478	51,585	15,921
Wisconsin	1,983	1,470	3,069	5,287	6,133	6,812	1,155
Duluth and Superior	37,814	47,683	101,141	19,424	20,425	22,310	451
Dakota	43,376	58,838	60,738	28,042	28,996	34,786	1,324
Montana and Idaho	6,206	6,736	6,312	2,754	2,466	2,723	200
<b>Interior</b> . . . . .				36,147	36,228	31,673	1,794
Pittsburgh				11,684	11,356	8,686	2,206
Kentucky				747	657	429	400
Tennessee				1,071	1,408	479	120
Indiana				2,208	1,561	1,845	680
Iowa				243	290	182	85
Omaha				1,510	953	1,671	670
St. Louis				13,057	11,890	10,628	2,706
Minnesota				7,288	4,780	7,274	1,586
Colorado				1,194	1,208	872	215
Utah and Nevada				170	106	75	53
<b>Parcel post</b> . . . . .	26,052	27,277	27,765				

No. 499.—EXPORTS (DOMESTIC AND FOREIGN) AND IMPORTS OF MER-  
CHANDISE, BY GROUPS OF CUSTOMS DISTRICTS

[NOTE.—Fiscal years to and including 1915; thereafter, calendar years. All figures except export figures for 1865 and 1870-1878 represent specie values; exports for those years represent mixed gold and currency values and hence do not agree with the specie values given for total exports in other tables. Exports and imports of the Interior districts, a small percentage of the total (see Table 498), are not included in this table]

[All figures in thousands of dollars]

Year or yearly average	Atlantic coast		Gulf coast		Mexican border		Pacific coast		Northern border	
	Exports	Imports	Exports	Im- ports	Ex- ports	Im- ports	Ex- ports	Im- ports	Exports	Im- ports
1860-----	160, 216	304, 577	153, 680	22, 303	1, 012	528	4, 981	7, 372	13, 688	18, 836
1865-----	257, 459	193, 741	3, 622	1, 476	-----	-----	10, 905	15, 948	16, 228	27, 580
1870-----	293, 440	370, 614	146, 020	16, 506	2, 213	959	14, 647	16, 241	1, 5043	31, 639
1871-1875---	390, 885	501, 968	122, 677	20, 099	2, 719	1, 440	21, 581	26, 039	22, 318	28, 328
1876-1880---	533, 477	425, 404	107, 452	12, 430	3, 114	1, 707	33, 466	30, 326	25, 028	22, 703
1881-1885---	589, 552	572, 760	114, 719	13, 834	4, 431	2, 200	50, 742	40, 285	32, 649	37, 141
1886-1890---	548, 775	594, 176	112, 611	14, 204	3, 640	6, 413	42, 352	46, 455	31, 000	48, 514
1891-1895---	655, 100	651, 233	140, 229	21, 407	8, 597	9, 619	44, 260	46, 683	44, 235	48, 245
1896-1900---	813, 139	611, 207	188, 587	18, 356	15, 051	4, 579	60, 712	49, 627	79, 727	50, 247
1901-1905---	923, 383	776, 744	297, 581	37, 652	25, 364	12, 931	81, 029	55, 747	126, 276	76, 141
1906-1910---	1, 058, 483	1, 052, 156	408, 656	60, 901	33, 074	16, 980	86, 229	82, 813	192, 242	112, 757
1911-1915---	1, 364, 246	1, 278, 953	513, 960	100, 153	22, 785	24, 708	135, 718	128, 019	333, 493	159, 878
1915-1920 <sup>1</sup>	4, 234, 998	2, 245, 780	946, 560	185, 341	49, 361	41, 471	449, 906	429, 557	840, 366	432, 185
1921-1925---	2, 207, 289	2, 296, 418	1, 088, 592	233, 228	73, 826	17, 117	374, 062	421, 062	653, 761	456, 922
1883-----	597, 388	625, 154	131, 026	12, 279	5, 436	1, 939	53, 497	46, 881	36, 492	36, 927
1884-----	542, 780	583, 397	110, 109	12, 948	4, 642	1, 915	46, 395	37, 184	36, 589	32, 254
1885-----	563, 743	481, 845	97, 798	10, 820	2, 625	2, 422	47, 923	35, 986	30, 101	41, 845
1886-----	505, 362	533, 642	105, 431	10, 082	2, 095	3, 730	39, 824	38, 704	26, 813	43, 909
1887-----	538, 943	578, 040	104, 229	11, 963	2, 654	5, 089	41, 414	42, 223	28, 943	46, 793
1888-----	522, 696	595, 776	104, 674	13, 865	3, 443	5, 712	36, 314	49, 187	28, 828	51, 263
1889-----	548, 011	609, 888	107, 600	17, 289	4, 401	8, 182	48, 847	51, 171	33, 543	51, 066
1890-----	628, 865	653, 535	141, 120	17, 821	5, 608	9, 353	45, 361	50, 993	36, 875	49, 540
1891-----	637, 454	697, 965	151, 941	23, 214	7, 541	11, 106	52, 583	53, 581	34, 962	49, 584
1892-----	753, 107	689, 458	174, 686	21, 750	6, 993	12, 501	55, 826	49, 988	39, 666	46, 010
1893-----	624, 278	717, 360	125, 592	24, 682	12, 152	13, 826	42, 230	48, 315	43, 413	52, 923
1894-----	670, 266	537, 644	126, 788	20, 681	7, 345	8, 229	34, 599	41, 241	53, 143	41, 693
1895-----	590, 393	613, 737	122, 138	16, 709	8, 955	2, 435	36, 061	40, 290	49, 991	51, 017
1896-----	635, 842	645, 204	131, 320	17, 548	10, 984	3, 687	44, 071	49, 174	60, 390	56, 153
1897-----	733, 205	639, 407	181, 269	19, 991	13, 999	4, 135	58, 925	43, 906	63, 596	50, 066
1898-----	862, 325	502, 146	201, 848	13, 063	12, 135	5, 065	74, 183	50, 264	80, 981	39, 478
1899-----	870, 755	576, 163	194, 390	17, 483	15, 820	4, 632	56, 204	45, 873	89, 404	45, 588
1900-----	963, 569	693, 113	234, 108	23, 693	22, 320	5, 378	70, 175	58, 916	104, 267	59, 948
1901-----	1, 002, 841	670, 622	285, 465	26, 670	21, 147	10, 142	69, 534	48, 203	107, 939	57, 120
1902-----	895, 445	724, 371	263, 079	31, 077	24, 231	13, 704	87, 515	54, 301	111, 441	67, 756
1903-----	904, 172	821, 252	285, 021	38, 378	25, 936	13, 377	79, 253	56, 475	125, 759	82, 054
1904-----	897, 106	779, 237	334, 795	43, 924	29, 261	12, 450	65, 723	57, 499	133, 942	83, 744
1905-----	917, 350	888, 239	319, 544	48, 210	26, 245	14, 981	103, 122	62, 257	152, 300	90, 030
1906-----	1, 061, 778	974, 563	368, 723	53, 984	34, 925	16, 945	101, 770	66, 324	176, 665	97, 928
1907-----	1, 079, 770	1, 133, 032	469, 273	62, 908	41, 101	18, 001	92, 030	91, 140	198, 674	109, 172
1908-----	1, 155, 761	907, 185	396, 552	59, 341	33, 101	10, 869	94, 207	81, 982	181, 147	114, 874
1909-----	976, 963	1, 018, 847	409, 631	59, 566	27, 136	16, 178	69, 949	85, 962	179, 329	112, 690
1910-----	1, 018, 144	1, 227, 155	399, 100	68, 705	29, 106	22, 911	73, 199	88, 657	225, 398	129, 123
1911-----	1, 166, 469	1, 163, 540	487, 929	82, 148	30, 397	20, 364	94, 261	102, 703	269, 890	137, 724
1912-----	1, 262, 679	1, 268, 101	463, 974	92, 245	27, 194	22, 512	127, 542	111, 488	322, 371	137, 882
1913-----	1, 348, 811	1, 375, 850	543, 077	103, 612	24, 903	27, 060	146, 856	128, 895	401, 998	153, 613
1914-----	1, 304, 109	1, 374, 621	566, 388	120, 372	16, 630	32, 803	136, 243	138, 151	341, 183	205, 273
1915-----	1, 739, 159	1, 212, 656	508, 435	102, 388	14, 801	20, 801	173, 686	158, 858	332, 020	164, 897
1915 (6 mos.)	1, 303, 840	638, 241	223, 556	44, 396	9, 766	13, 024	97, 319	105, 067	218, 381	105, 395
1916-----	3, 826, 421	1, 654, 404	624, 381	114, 298	23, 501	42, 970	337, 920	294, 973	670, 418	268, 982
1917-----	4, 287, 541	1, 798, 340	663, 341	144, 479	48, 420	46, 144	390, 024	539, 336	844, 186	404, 061
1918-----	3, 758, 942	1, 829, 544	776, 176	156, 390	47, 556	52, 414	538, 987	568, 563	1, 027, 428	403, 316
1919-----	5, 211, 140	2, 629, 614	1, 235, 148	220, 298	58, 021	35, 195	599, 000	463, 137	817, 116	529, 496
1920-----	4, 904, 606	3, 801, 648	1, 683, 476	339, 513	84, 220	38, 345	511, 233	391, 488	1, 044, 482	665, 769
1921-----	2, 378, 557	1, 726, 488	1, 076, 736	158, 231	103, 543	10, 113	311, 605	190, 308	614, 591	408, 411
1922-----	1, 938, 344	2, 024, 214	914, 466	188, 420	57, 012	11, 300	312, 357	430, 152	609, 598	440, 266
1923-----	2, 070, 261	2, 534, 277	991, 864	237, 570	59, 564	20, 155	371, 572	480, 679	674, 231	486, 843
1924-----	2, 245, 602	2, 357, 723	1, 164, 452	281, 881	73, 253	20, 343	447, 311	477, 302	638, 946	441, 717
1925-----	2, 403, 680	2, 839, 389	1, 295, 444	300, 038	75, 759	23, 673	427, 475	526, 969	681, 437	507, 373
1926-----	2, 308, 548	2, 953, 131	1, 120, 944	325, 614	72, 831	26, 317	518, 888	546, 102	759, 473	543, 493
1927-----	2, 297, 143	2, 774, 503	1, 100, 918	285, 373	77, 120	27, 623	506, 125	510, 569	856, 284	555, 002

<sup>1</sup> Period July 1, 1915, to Dec. 31, 1920.

# No. 500.—EXPORTS (DOMESTIC AND FOREIGN) AND IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS

[Note.—All figures in thousands of dollars. Fiscal years to and including 1915; thereafter, calendar years. Figures represent specie values except for exports for years 1965 and 1970-1978. Areas of districts were rearranged July 1, 1913. Prior to that date some of the districts were more restricted. However in most cases, this change only slightly affects the comparability of the figures. Prior to 1914 the statistics given in the table for Buffalo include the (former) districts of Buffalo Creek and Niagara; those for Michigan include the (former) districts of Superior, Huron, and Detroit; and those for Massachusetts and Maryland were the former districts of Boston and Baltimore, respectively. See also headnote, Table 499.]

Year or yearly average	Massachusetts		New York		Philadelphia		Maryland		Georgia	
	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports	Ex-ports	Im-ports
1860.....	12,748	39,334	80,048	231,810	5,827	14,812	8,940	9,781	18,367	782
1865.....	19,862	24,390	202,509	182,240	11,052	7,035	12,141	4,816		
1870.....	14,126	47,434	196,615	281,040	16,938	14,452	14,511	19,512	29,747	1,002
1871-1875.....	25,334	59,185	257,564	383,490	24,907	22,809	21,631	27,900	30,749	807
1876-1880.....	47,545	45,732	321,900	331,362	45,503	24,360	50,007	19,098	20,591	464
1881-1885.....	64,752	64,694	357,802	453,943	39,145	32,907	51,007	13,901	22,191	702
1886-1890.....	61,519	62,591	322,039	467,009	33,042	44,150	51,657	12,866	22,619	354
1891-1895.....	83,827	68,510	360,521	503,284	43,432	57,617	75,039	14,873	25,020	387
1896-1900.....	110,895	69,025	423,950	477,123	56,495	43,284	96,725	12,390	27,214	377
1901-1905.....	102,378	80,132	511,464	567,139	73,588	53,972	88,305	22,211	51,684	933
1906-1910.....	88,467	113,207	639,080	708,313	88,642	74,278	91,981	30,252	60,781	2,362
1911-1915.....	76,794	141,012	913,312	975,410	74,228	86,261	107,095	30,195	84,022	4,882
1915-1920 <sup>1</sup> .....	217,236	273,049	2,912,529	1,703,482	415,261	144,849	320,396	42,282	139,812	16,745
1921-1925.....	55,559	257,227	1,611,326	1,675,784	117,833	182,857	113,995	77,696	71,832	19,714
1926.....	62,367	72,582	361,425	496,005	38,148	33,739	55,003	14,599	22,813	483
1927.....	62,499	65,806	329,883	465,120	36,493	33,057	43,079	11,424	19,947	682
1928.....	62,000	53,446	344,515	380,078	38,723	29,919	43,038	11,650	20,671	653
1929.....	54,009	58,431	314,329	419,339	33,753	36,561	26,848	11,097	20,306	426
1930.....	59,002	61,018	316,347	456,699	33,427	39,952	51,007	12,536	23,782	302
1931.....	56,457	63,898	310,627	470,427	28,846	41,772	46,237	11,742	20,266	294
1932.....	66,634	66,731	319,839	472,154	29,775	48,529	50,812	15,224	17,865	374
1933.....	71,202	62,877	349,052	516,437	37,411	53,936	73,984	13,140	30,684	472
1934.....	77,020	71,213	346,529	537,786	33,674	59,428	64,412	20,556	33,506	516
1935.....	87,176	71,780	413,932	536,538	58,541	60,007	98,850	13,419	25,704	302
1936.....	85,460	79,358	347,306	548,559	49,402	66,122	71,507	16,151	19,840	338
1937.....	83,972	53,209	369,146	415,796	40,801	53,727	78,422	11,979	25,527	352
1938.....	85,506	66,899	325,580	477,741	35,042	48,903	61,939	12,261	20,524	426
1939.....	95,851	79,180	354,275	499,933	39,567	43,841	66,399	13,477	21,409	274
1940.....	100,857	90,178	391,690	490,604	47,305	43,073	63,693	11,871	23,443	416
1941.....	117,532	51,475	445,518	402,291	56,244	31,420	116,846	8,907	28,928	392
1942.....	128,087	52,096	459,444	463,560	60,950	41,223	107,159	9,151	24,039	378
1943.....	112,196	72,196	518,834	537,237	78,406	51,696	115,530	19,045	38,252	420
1944.....	143,708	61,452	529,593	527,260	79,354	48,043	106,239	18,999	46,739	645
1945.....	102,404	71,921	490,362	359,931	80,383	47,750	80,533	22,825	41,526	572
1946.....	96,126	86,311	505,830	618,706	73,532	59,995	81,704	27,603	54,141	1,037
1947.....	89,846	80,656	506,808	600,171	71,393	53,890	82,836	20,246	53,770	924
1948.....	87,804	100,318	524,726	679,629	63,278	60,181	91,215	21,181	62,246	1,489
1949.....	98,740	106,442	607,160	734,351	82,564	70,801	109,925	30,085	64,840	1,303
1950.....	100,872	124,433	627,950	853,697	94,832	79,870	104,909	37,774	63,040	2,204
1951.....	98,051	93,679	701,062	688,216	109,261	63,432	99,989	29,477	61,696	2,044
1952.....	76,158	112,473	607,239	779,309	84,286	68,884	77,551	24,022	50,900	2,152
1953.....	70,517	129,006	651,986	935,991	73,266	88,403	77,392	29,901	63,429	3,855
1954.....	71,534	116,597	772,552	881,593	69,856	63,627	85,121	32,174	72,076	5,297
1955.....	69,692	129,293	817,946	975,744	69,070	85,038	92,211	26,439	104,287	5,130
1956.....	69,553	146,399	917,936	1,048,321	76,315	98,210	116,474	32,695	58,235	4,462
1957.....	65,715	159,916	864,546	1,040,281	65,183	96,483	109,660	34,489	116,595	5,270
1958.....	107,476	152,654	1,193,561	931,011	90,666	72,948	131,978	24,983	74,919	2,251
1959 (6 mos.).....	53,707	81,345	1,026,310	496,617	77,669	31,420	57,647	11,939	20,362	659
1960.....	183,953	202,900	2,790,403	1,257,185	317,124	111,411	291,168	38,942	68,628	1,694
1961.....	208,532	229,404	2,901,128	1,361,062	502,224	102,344	377,379	36,963	107,777	4,668
1962.....	221,315	295,915	2,500,857	1,294,415	425,072	115,011	300,717	35,963	111,391	15,001
1963.....	234,487	290,365	2,456,229	2,064,654	519,564	153,919	253,713	38,900	258,682	15,397
1964.....	192,802	392,753	3,283,873	2,492,621	442,250	282,763	381,557	69,624	202,014	54,269
1965.....	60,251	164,922	1,730,256	1,332,285	130,672	122,302	142,919	41,124	64,124	9,086
1966.....	50,545	238,507	1,375,396	1,494,685	121,477	154,352	124,941	60,069	67,673	14,072
1967.....	62,159	307,288	1,518,852	1,797,820	106,507	219,710	93,436	91,836	51,493	28,928
1968.....	57,346	253,852	1,657,698	1,690,003	106,444	202,547	100,172	100,494	77,337	22,666
1969.....	47,494	321,567	1,774,436	2,074,149	119,064	215,343	105,614	94,906	98,534	22,917
1970.....	41,293	306,879	1,682,528	2,224,964	97,006	195,823	129,348	106,241	104,594	19,490
1971.....	42,181	293,499	1,726,110	2,042,783	90,811	204,500	101,222	108,997	97,226	18,036

<sup>1</sup> Period July 1, 1915, to Dec. 31, 1920.



**No. 500.—EXPORTS (DOMESTIC AND FOREIGN) AND IMPORTS OF MERCHANDISE,  
BY PRINCIPAL CUSTOMS DISTRICTS—Continued**

[All figures in thousands of dollars]

Year or yearly average	New Orleans		Galveston		Buffalo		Chicago		Michigan	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1866	106,166	20,636	5,772	533	3,049	4,850	1,165	60	3,827	961
1865	3,582	1,404			991	7,118	4,590	811	2,877	1,441
1870	107,687	14,377	14,874	509	353	9,375	2,613	736	3,116	1,736
1871-1875	90,675	16,694	15,768	1,612	739	7,145	5,053	911	6,314	2,461
1876-1880	78,804	9,796	15,214	1,155	578	5,979	3,369	474	9,915	2,904
1881-1885	86,165	10,683	21,011	1,982	412	8,304	2,223	2,717	13,969	5,136
1886-1890	87,050	11,707	18,319	663	483	9,926	2,013	12,260	15,604	5,375
1891-1895	93,628	18,583	38,707	776	4,673	7,069	3,054	18,853	16,729	6,081
1896-1900	99,832	13,633	65,432	1,355	15,077	6,030	4,796	12,936	26,018	6,609
1901-1905	147,174	28,216	114,540	2,655	30,760	8,465	5,043	18,150	39,045	7,973
1906-1910	153,171	45,945	185,524	4,717	47,483	12,562	4,504	24,766	62,736	13,426
1911-1915	179,038	78,668	241,254	7,611	82,712	24,321	10,341	32,000	102,380	20,967
1915-1920 <sup>1</sup>	428,107	149,070	346,964	15,930	198,666	88,161	21,379	40,133	294,375	61,896
1921-1925	391,342	167,731	523,904	30,066	162,606	77,517	27,681	46,066	211,729	76,869
1883	95,107	9,597	29,629	1,512	466	8,629	2,724	649	13,899	5,016
1884	81,668	10,785	20,455	1,120	445	7,364	2,906	916	18,763	4,309
1885	79,148	8,689	12,679	1,157	467	8,657	2,083	9,918	14,745	4,346
1886	82,660	8,115	16,967	757	410	8,766	2,310	10,183	12,492	5,052
1887	79,520	9,652	18,903	705	450	9,548	1,461	11,704	14,172	5,033
1888	81,287	11,618	15,703	716	476	10,357	1,632	12,721	13,645	5,534
1889	83,820	14,492	15,578	723	480	11,230	2,161	13,100	18,613	5,667
1890	106,127	14,658	24,447	416	588	9,726	2,481	13,690	19,369	5,399
1891	109,107	20,267	33,772	648	732	8,809	2,340	15,303	18,510	5,933
1892	131,253	18,910	35,366	1,317	730	7,668	3,676	14,976	17,926	5,297
1893	77,838	21,790	37,476	663	3,022	7,511	4,084	18,448	15,903	6,977
1894	81,529	18,066	35,012	681	9,246	4,478	3,610	16,486	16,700	6,284
1895	68,413	13,662	41,887	370	9,638	6,858	1,568	15,053	16,604	5,915
1896	80,987	13,471	36,397	603	10,799	5,968	1,293	15,546	22,928	6,660
1897	101,494	16,619	58,196	779	10,818	7,189	2,310	11,526	22,273	6,381
1898	112,827	9,664	68,428	1,166	14,571	5,385	7,489	10,141	23,608	5,002
1899	87,063	11,918	78,477	2,921	14,060	5,449	7,076	12,154	28,725	4,657
1900	115,859	17,491	85,658	1,454	24,200	6,159	5,212	16,310	32,559	5,353
1901	152,777	20,462	101,857	954	23,629	6,726	10,030	14,532	33,742	6,237
1902	134,487	23,763	96,722	969	25,121	8,233	5,093	16,861	34,735	7,630
1903	149,073	28,881	104,121	1,511	28,096	8,973	4,551	20,122	40,328	8,566
1904	148,595	34,037	145,316	1,845	11,601	7,980	2,322	21,068	41,688	8,480
1905	150,911	43,933	126,182	4,992	40,755	10,413	3,221	18,145	44,733	8,957
1906	150,479	36,465	166,318	5,019	44,207	10,32	2,581	22,210	57,750	10,996
1907	140,562	46,047	237,306	7,029	48,740	11,744	4,013	25,017	64,865	11,515
1908	159,450	42,780	161,352	5,694	46,460	11,316	4,925	28,172	61,108	14,537
1909	144,082	45,713	189,464	3,355	42,691	13,065	4,775	23,671	60,161	14,172
1910	146,377	55,712	173,179	2,488	55,109	16,553	6,529	26,761	69,794	15,900
1911	172,835	66,722	220,508	3,531	67,279	18,973	6,916	30,586	81,808	17,031
1912	149,161	71,060	216,141	4,310	81,543	20,506	7,665	28,749	96,941	16,615
1913	169,960	82,369	281,458	7,821	103,103	20,405	4,869	32,537	112,641	19,687
1914	193,640	89,383	255,768	12,245	87,676	30,306	5,688	38,631	102,573	26,347
1915	209,373	79,745	236,392	10,148	73,959	31,415	23,565	29,498	117,747	24,956
1915 (6 mos.)	91,583	35,976	92,370	2,814	50,111	20,126	7,835	14,018	84,852	14,225
1916	266,662	92,041	252,545	8,773	154,619	4,421	3,990	29,006	222,663	32,575
1917	320,896	110,240	226,229	13,979	212,826	107,612	4,419	27,008	279,143	54,131
1918	309,967	124,258	226,834	14,014	208,440	99,915	90,019	40,301	179,158	57,231
1919	563,073	177,286	467,183	17,704	199,051	96,378	6,524	45,804	297,029	74,896
1920	712,860	274,073	649,253	30,730	237,930	121,436	25,800	64,504	356,220	107,351
1921	423,943	110,283	412,911	18,858	174,169	59,241	45,230	41,491	177,901	63,052
1922	375,282	126,776	417,142	21,160	146,021	76,263	38,506	46,914	205,977	65,442
1923	301,411	171,620	536,540	32,962	178,818	76,316	13,997	45,555	226,500	90,019
1924	411,691	205,974	579,509	41,487	150,246	72,247	36,415	45,739	195,902	81,537
1925	467,279	221,023	639,416	35,242	177,764	115,496	14,259	50,630	252,274	84,247
1926	413,793	238,805	533,825	38,900	191,671	125,668	17,843	50,478	272,375	101,682
1927	370,607	211,684	554,893	55,843	219,908	137,936	17,718	51,585	279,907	91,314

<sup>1</sup> Period July 1, 1915, to Dec. 31, 1920.

**No. 500.—EXPORTS (DOMESTIC AND FOREIGN) AND IMPORTS OF MERCHANDISE,  
BY PRINCIPAL CUSTOMS DISTRICTS—Continued**

[All figures in thousands of dollars]

Year or yearly average	San Francisco		Washington		Year or yearly average	San Francisco		Washington	
	Ex- ports	Im- ports	Ex- ports	Im- ports		Ex- ports	Im- ports	Ex- ports	Im- ports
1860.....	4,868	7,367	63	-----	1898.....	41,224	42,823	17,919	5,068
1865.....	9,988	15,802	633	12	1899.....	30,215	35,747	15,200	7,240
1870.....	13,992	15,983	428	35	1900.....	40,368	47,870	17,903	7,149
1871-1875.....	19,476	25,459	497	30	1901.....	34,597	35,162	20,679	6,721
1876-1880.....	27,718	29,798	486	33	1902.....	38,184	35,103	33,789	11,971
1881-1885.....	41,740	39,109	1,647	109	1903.....	33,503	36,454	32,500	12,177
1886-1890.....	33,035	44,344	2,708	417	1904.....	32,547	37,543	22,730	11,285
1891-1895.....	32,365	43,557	5,627	1,068	1905.....	49,924	46,676	43,843	7,378
1896-1900.....	36,607	40,443	13,948	6,399	1906.....	39,915	44,433	49,235	13,614
1901-1905.....	37,751	38,188	30,708	9,907	1907.....	33,027	54,095	43,659	25,353
1906-1910.....	32,758	49,226	38,567	23,409	1908.....	28,000	48,251	44,033	22,209
1911-1915.....	60,154	63,760	57,711	50,200	1909.....	31,669	49,998	25,788	26,960
1915-1920 <sup>1</sup> .....	186,317	197,613	222,702	206,862	1910.....	31,181	49,351	30,121	28,910
1921-1925.....	158,275	155,500	110,361	214,213	1911.....	40,625	53,885	39,361	36,655
1883.....	44,959	45,703	1,770	95	1912.....	49,250	59,235	63,746	39,011
1884.....	37,051	35,858	1,955	138	1913.....	66,021	62,502	62,548	51,474
1885.....	38,116	35,040	3,185	238	1914.....	63,375	67,111	55,012	55,392
1886.....	30,228	37,142	2,123	661	1915.....	81,501	76,068	67,888	68,467
1887.....	32,711	40,708	1,770	348	1915 (6 mos.).....	41,807	42,290	46,161	55,933
1888.....	27,685	46,693	2,251	407	1916.....	126,758	117,128	200,448	161,780
1889.....	37,673	48,426	4,069	362	1917.....	175,136	231,979	196,932	289,078
1890.....	36,876	48,751	3,326	305	1918.....	214,695	245,519	296,166	300,954
1891.....	40,169	50,943	5,729	477	1919.....	240,518	238,027	292,274	195,919
1892.....	40,737	47,136	6,566	573	1920.....	225,828	211,928	192,880	134,079
1893.....	31,144	45,291	5,008	840	1921.....	129,111	97,129	90,327	58,539
1894.....	24,903	38,147	4,942	1,230	1922.....	145,099	170,815	90,071	218,218
1895.....	24,873	36,270	5,805	2,222	1923.....	160,432	166,685	116,088	262,156
1896.....	31,583	41,400	6,855	5,484	1924.....	173,442	146,335	134,760	270,294
1897.....	39,648	34,376	11,865	7,066	1925.....	183,292	196,537	120,557	261,870
					1926.....	186,773	210,139	147,570	261,880
					1927.....	174,555	199,999	129,513	239,284

<sup>1</sup> Period July 1, 1915, to Dec. 31, 1920.

## No. 501.—VALUE OF PRINCIPAL DOMESTIC

[NOTE.—Specie values except for 1865, and 1870-1878; for those years mixed gold and currency values, thereafter. In some cases blanks represent entire absence

[All figures in thou

Year or yearly average	Meats	Animal fats and oils	Leather	Rye (including flour)	Wheat (including flour)	Oil cake and meal	Fruits and nuts	Rubber and manufactures	Naval stores, gums, and resins	Tobacco, unmanufactured
1821					4,476				315	5,649
1830					6,132		24		356	5,586
1840					11,779		55		666	9,884
1850					7,742		25		1,372	9,951
1860	8,080	6,200	693		19,525	1,609	206	241	3,886	15,907
1865	20,696	14,473	669	169	46,905	2,267	415	291	343	41,625
1870	11,630	9,909	111	217	68,341	3,419	543	186	3,277	21,100
1871-1875	33,909	25,773	3,785	710	82,188	4,195	1,138	212	5,192	24,475
1876-1880	66,498	35,496	7,256	2,194	133,946	5,268	1,831	262	4,511	23,580
1881-1885	68,946	37,492	7,374	2,185	157,600	6,551	2,893	560	6,364	19,407
1886-1890	59,092	35,168	9,167	380	106,331	7,143	3,724	857	6,009	23,085
1891-1895	80,985	51,133	11,931	2,570	147,211	8,565	4,075	1,450	7,536	22,896
1896-1900	99,041	53,370	18,703	4,075	148,176	12,300	8,394	2,280	9,934	25,209
1901-1905	106,641	70,933	24,019	1,311	131,029	19,470	14,778	4,605	13,898	29,891
1906-1910	89,968	87,326	31,234	989	117,768	23,472	16,531	7,831	19,438	33,188
1911-1915	76,647	83,806	44,656	3,613	172,788	25,570	31,865	13,362	21,852	46,064
1915-1920 <sup>1</sup>	397,321	166,868	110,215	52,009	512,963	21,978	61,501	46,430	20,417	139,509
1921-1925	133,223	146,339	44,287	39,475	321,864	24,695	82,869	38,550	22,379	164,596
1883	61,200	35,160	6,424	1,683	174,704	6,317	3,007	569	7,609	19,438
1884	63,795	36,372	7,024	4,342	126,166	7,115	1,751	635	7,005	17,766
1885	62,654	31,732	8,539	2,016	125,079	6,674	3,516	686	4,985	22,026
1886	54,194	27,198	7,553	146	88,706	7,054	3,310	664	4,844	27,158
1887	52,641	32,105	9,170	228	142,667	7,310	2,670	834	5,861	25,948
1888	51,696	32,354	8,423	61	111,019	6,424	3,510	867	5,930	21,936
1889	59,217	35,982	9,515	172	86,949	6,928	5,072	832	5,966	18,901
1890	77,711	48,202	11,175	1,294	102,312	8,000	4,060	1,090	7,444	21,480
1891	81,124	51,011	12,023	230	106,126	7,452	2,435	1,236	8,192	21,034
1892	83,169	48,841	10,518	11,455	236,761	9,713	6,626	1,416	7,990	20,670
1893	79,433	50,967	10,695	1,013	169,029	9,689	3,919	1,609	7,287	22,892
1894	80,417	57,311	12,779	136	128,679	8,807	2,424	1,472	6,791	24,085
1895	80,787	47,534	13,640	17	95,458	7,166	4,972	1,517	7,420	25,799
1896	80,615	46,719	17,765	456	91,735	7,950	5,679	1,969	8,844	24,571
1897	87,502	42,595	16,431	3,675	115,835	9,611	7,739	1,927	9,215	24,711
1898	104,162	54,771	17,796	8,838	214,948	12,582	9,013	2,058	9,155	22,172
1899	108,739	60,579	19,725	5,951	177,363	14,549	7,897	2,321	9,983	25,467
1900	114,186	62,187	21,797	1,457	140,998	16,806	11,643	3,124	12,474	29,422
1901	120,588	68,226	21,321	1,333	166,231	18,724	10,827	3,659	12,587	27,656
1902	121,117	72,985	22,350	1,590	178,537	19,943	8,719	4,032	11,734	27,104
1903	104,234	72,258	23,514	3,157	161,552	19,839	18,058	4,674	12,919	35,251
1904	100,876	71,040	24,852	452	104,745	17,069	20,679	5,149	16,145	29,641
1905	96,388	70,158	28,058	21	44,082	21,777	15,607	5,509	16,107	29,801
1906	112,098	92,110	29,317	925	87,864	23,992	15,274	6,544	20,076	28,808
1907	104,149	94,098	32,058	573	122,390	26,416	17,588	7,429	21,687	33,387
1908	98,086	92,076	26,970	2,201	163,907	21,867	14,339	7,574	21,642	34,727
1909	78,253	86,575	30,413	1,064	119,252	25,836	16,568	7,433	15,101	30,903
1910	57,255	71,769	37,414	184	95,428	19,251	18,886	10,176	18,682	38,115
1911	60,924	85,665	37,200	27	71,427	19,631	24,498	12,453	25,023	39,255
1912	66,839	85,512	41,798	22	79,477	28,229	30,964	12,823	26,755	43,252
1913	64,117	88,573	42,384	1,282	142,208	29,444	37,079	14,325	26,471	49,354
1914	64,365	80,562	36,669	1,586	142,408	21,668	31,850	12,441	19,882	53,964
1915	126,990	78,720	65,229	15,150	428,422	28,879	34,933	14,768	11,127	44,494
1915 (6 mos.) <sup>2</sup>	88,763	33,808	42,079	7,556	146,718	14,978	22,549	15,841	5,430	30,454
1916	196,214	85,002	100,498	19,380	313,240	33,253	37,345	33,934	16,289	62,833
1917	271,069	99,666	80,817	27,960	384,272	15,810	35,332	34,788	14,401	45,574
1918	664,915	181,421	55,127	31,065	505,266	2,785	32,373	31,501	10,236	122,918
1919	690,897	326,290	218,784	74,211	650,351	36,041	126,265	53,866	31,434	259,986
1920	273,409	191,587	108,876	125,878	821,448	18,012	84,390	85,437	34,503	245,532
1921	150,878	145,955	31,787	44,589	550,752	24,489	70,157	30,786	11,449	205,133
1922	134,528	118,167	45,471	46,075	291,821	19,898	75,864	34,009	18,510	146,489
1923	149,365	158,279	42,834	29,021	204,641	19,831	68,619	36,972	24,820	153,439
1924	113,445	158,998	49,188	40,204	328,324	27,590	97,689	39,641	25,309	164,130
1925	117,898	150,298	52,155	37,484	233,784	31,666	102,015	51,341	31,809	153,787
1926	98,733	136,111	49,815	12,379	284,872	26,458	111,797	59,205	36,865	136,919
1927	64,185	116,760	54,003	39,913	324,836	30,186	121,665	68,658	34,335	139,667

<sup>1</sup> Incl des semimanufactures.

<sup>2</sup> A verage for period July 1, 1915, to Dec. 31, 1920.

## COMMODITIES EXPORTED FROM THE UNITED STATES

Figures are for fiscal years ended Sept. 30, through 1840, and June 30, 1850 through 1915; calendar years of trade; in other cases the item was not segregated]

sands of dollars]

Cotton, raw	Cotton manu- factures	Saw- mill prod- ucts	Other wood manu- factures	Coal and coke	Petro- leum and prod- ucts	Iron and steel- mill prod- ucts	Copper and manu- fac- tures <sup>1</sup>	Ma- chin- ery, all classes	Auto- mobiles includ- ing en- gines and parts	Year or yearly average
20, 157	-----	1, 513	-----	-----	-----	-----	27	-----	-----	1821.
29, 675	1, 318	1, 650	429	-----	-----	-----	37	-----	-----	1830.
63, 870	3, 550	2, 072	921	-----	-----	-----	87	-----	-----	1840.
71, 985	4, 734	2, 545	2, 279	167	-----	-----	105	-----	-----	1850.
191, 807	10, 935	3, 884	6, 148	741	-----	-----	1, 664	-----	-----	1860.
6, 836	3, 452	7, 020	11, 261	1, 371	15, 766	1, 190	1, 545	7, 222	-----	1865.
227, 028	3, 787	4, 600	7, 886	1, 306	32, 609	539	1, 042	5, 783	-----	1870.
205, 624	3, 196	6, 749	9, 108	2, 538	36, 913	1, 115	749	8, 373	-----	1871-1875.
183, 530	10, 047	7, 840	7, 924	2, 474	43, 808	1, 185	2, 564	8, 357	-----	1876-1880.
218, 763	12, 693	11, 796	9, 347	4, 077	47, 753	1, 322	3, 951	13, 552	-----	1881-1885.
224, 614	12, 423	13, 376	8, 846	5, 747	51, 151	1, 922	7, 309	13, 662	-----	1886-1890.
230, 743	13, 354	14, 782	9, 694	10, 184	49, 344	3, 241	14, 392	22, 061	-----	1891-1895.
220, 894	20, 494	22, 390	13, 863	14, 005	68, 766	20, 438	36, 745	50, 125	-----	1896-1900.
335, 443	31, 333	34, 447	17, 413	26, 121	82, 260	32, 759	54, 942	77, 958	-----	1901-1905.
437, 582	35, 141	50, 754	21, 075	38, 825	103, 803	54, 297	92, 334	113, 963	6, 292	1906-1910.
537, 044	52, 525	61, 379	24, 687	58, 648	137, 058	96, 313	123, 655	158, 897	35, 805	1911-1915.
768, 361	214, 697	60, 630	36, 556	151, 590	347, 396	491, 191	208, 909	353, 963	157, 775	1915-1920. <sup>2</sup>
804, 985	133, 139	85, 078	30, 846	131, 112	405, 051	166, 776	129, 761	320, 825	177, 164	1921-1925.
247, 329	12, 951	13, 297	10, 802	4, 245	45, 850	1, 228	2, 348	16, 769	-----	1883.
197, 015	11, 885	12, 455	9, 749	5, 036	48, 366	1, 551	5, 596	16, 386	-----	1884.
201, 962	11, 837	11, 017	8, 401	4, 581	51, 983	1, 422	10, 187	10, 970	-----	1885.
205, 086	13, 960	11, 040	8, 112	4, 207	51, 929	1, 372	5, 672	10, 102	-----	1886.
206, 222	14, 929	10, 685	7, 710	4, 561	48, 858	1, 465	3, 727	10, 598	-----	1887.
223, 017	13, 013	12, 532	8, 331	6, 345	49, 211	1, 925	8, 877	12, 156	-----	1888.
237, 775	10, 213	15, 977	10, 205	6, 714	51, 943	2, 056	9, 867	15, 934	-----	1889.
250, 969	9, 999	16, 646	9, 872	6, 910	53, 812	2, 793	8, 403	19, 521	-----	1890.
290, 713	13, 605	14, 887	9, 042	8, 434	55, 741	3, 189	11, 875	21, 110	-----	1891.
258, 461	13, 226	14, 721	9, 056	8, 761	48, 771	2, 871	13, 263	21, 475	-----	1892.
188, 771	11, 809	14, 851	9, 499	10, 185	46, 658	3, 358	9, 117	21, 809	-----	1893.
210, 869	14, 341	14, 463	10, 561	12, 093	45, 320	3, 340	22, 133	21, 687	-----	1894.
204, 901	13, 790	14, 989	10, 313	11, 445	50, 230	3, 446	15, 573	24, 224	-----	1895.
190, 056	16, 837	17, 315	11, 836	11, 146	66, 790	4, 692	21, 754	29, 313	-----	1896.
230, 891	21, 038	22, 038	13, 642	11, 556	67, 592	10, 782	33, 681	37, 738	-----	1897.
230, 442	17, 024	20, 393	13, 393	12, 293	62, 156	18, 973	33, 005	44, 438	-----	1898.
210, 090	23, 567	23, 591	13, 939	14, 294	63, 078	29, 207	36, 424	61, 117	-----	1899.
242, 989	24, 003	28, 614	16, 506	20, 737	84, 214	38, 534	58, 862	78, 020	-----	1900.
315, 105	20, 272	32, 370	15, 415	23, 751	77, 970	40, 455	44, 614	73, 489	-----	1901.
291, 598	32, 108	27, 546	16, 330	22, 486	81, 162	25, 686	43, 820	67, 510	949	1902.
317, 065	32, 216	33, 681	19, 110	23, 119	76, 665	21, 418	40, 595	76, 202	1, 207	1903.
372, 049	22, 404	42, 106	18, 256	30, 044	87, 920	30, 832	58, 119	83, 841	1, 896	1904.
381, 399	49, 666	36, 533	17, 956	31, 387	87, 582	45, 402	87, 564	88, 748	2, 481	1905.
401, 006	52, 944	44, 115	20, 511	30, 652	92, 850	51, 183	83, 179	108, 379	3, 497	1906.
481, 278	32, 305	58, 237	20, 969	37, 741	93, 887	55, 451	96, 601	125, 255	5, 502	1907.
437, 788	25, 178	53, 839	22, 825	42, 074	112, 857	57, 820	105, 873	120, 581	5, 278	1908.
417, 391	31, 879	44, 213	19, 879	40, 069	112, 446	46, 630	86, 708	98, 983	5, 992	1909.
450, 447	33, 397	53, 368	21, 193	43, 590	106, 977	60, 403	89, 309	116, 718	11, 190	1910.
585, 319	40, 852	62, 947	24, 384	48, 314	105, 494	78, 790	104, 908	151, 205	15, 509	1911.
565, 849	50, 770	66, 811	25, 667	55, 587	122, 789	102, 385	117, 063	160, 645	26, 435	1912.
547, 357	51, 510	76, 955	30, 764	68, 416	149, 256	124, 222	143, 124	194, 738	32, 982	1913.
610, 475	49, 246	70, 095	26, 326	62, 711	161, 085	90, 920	151, 472	167, 909	34, 591	1914.
376, 218	70, 247	30, 085	16, 296	58, 211	146, 668	85, 247	101, 690	119, 990	69, 510	1915.
157, 548	48, 714	19, 086	9, 959	37, 236	83, 264	100, 894	70, 033	94, 935	59, 647	1915 (6 mos.). <sup>2</sup>
545, 229	127, 052	33, 061	20, 818	72, 500	220, 089	375, 975	236, 859	278, 071	123, 064	1916.
575, 304	157, 267	40, 302	26, 602	118, 956	273, 906	644, 924	362, 871	355, 540	124, 476	1917.
674, 123	179, 106	54, 121	28, 095	119, 742	369, 542	632, 219	206, 732	269, 602	100, 889	1918.
1, 137, 371	270, 235	76, 884	51, 239	125, 505	374, 530	449, 939	130, 790	361, 407	156, 426	1919.
1, 136, 409	398, 458	110, 013	64, 347	359, 805	589, 348	497, 601	141, 717	587, 354	303, 262	1920.
534, 242	115, 539	52, 532	28, 040	170, 983	399, 871	236, 126	97, 898	408, 206	83, 749	1921.
673, 250	136, 778	67, 890	24, 485	95, 562	344, 255	136, 218	103, 874	234, 485	103, 202	1922.
807, 108	136, 300	108, 378	33, 347	166, 014	365, 625	167, 065	129, 220	282, 172	170, 612	1923.
950, 581	130, 808	101, 999	32, 248	115, 966	442, 554	150, 369	156, 646	311, 447	209, 872	1924.
1, 059, 751	146, 272	99, 589	36, 109	107, 035	472, 952	144, 102	161, 166	367, 815	318, 386	1925.
814, 429	128, 878	97, 444	37, 884	203, 884	554, 534	174, 101	141, 204	369, 868	320, 179	1926.
826, 306	133, 310	107, 574	38, 089	109, 687	485, 903	160, 547	150, 214	436, 153	388, 528	1927.

<sup>1</sup> July to December.

## No. 502.—VALUE OF PRINCIPAL COMMODITIES

[NOTE.—Specie values. Figures are for fiscal years ended Sept. 30 through 1890, and June 30, 1890 through the item was

(All figures in thou

Year or yearly average	Hides and skins	Furs, and manu- factures	Fruits and nuts	Vegetable oils ex- pressed and fats	Coffee	Sugar <sup>1</sup>	Rubber, crude	Tobacco, un- manufactured	Cotton manu- factures <sup>2</sup>	Burlaps
1821	893	224	181		4,490	3,554			7,391	
1830	2,410	306	520	18	4,237	4,831			7,865	
1840	2,756	423	1,405	263	8,546	5,581			6,504	
1850	4,799	1,014	1,191	922	11,235	7,556		272	20,781	
1860	10,525	1,838	4,804	1,619	21,884	31,079	1,427	1,366	33,216	
1865	4,550	2,309	2,265	634	11,242	27,326	1,228	552	9,224	
1870	14,402	2,236	7,417	2,153	24,215	56,924	3,469	2,534	23,380	
1871-1875	16,649	3,704	10,987	1,097	43,737	76,754	5,391	4,725	31,263	
1876-1880	18,237	4,680	11,486	1,230	54,011	73,678	5,996	4,000	22,118	
1881-1885	25,179	7,286	17,880	1,697	48,267	87,906	12,732	6,188	31,789	
1886-1890	24,373	7,161	19,584	1,896	62,504	83,614	13,791	11,176	26,656	4,562
1891-1895	25,208	9,707	21,322	3,023	98,220	105,946	17,768	12,810	29,482	5,828
1896-1900	39,075	9,224	17,661	3,716	67,830	88,795	24,506	11,355	33,694	8,021
1901-1905	56,206	15,003	23,034	7,350	69,450	77,440	34,623	16,743	47,839	14,305
1906-1910	82,619	21,469	33,692	14,002	73,496	92,286	60,687	24,905	67,851	22,730
1911-1915	102,967	19,341	43,033	26,554	108,970	118,230	82,736	31,576	63,049	30,749
1915-1920 <sup>3</sup>	201,517	47,620	61,755	84,467	165,265	393,906	192,149	51,012	65,816	62,545
1921-1925	93,067	79,840	75,499	59,652	295,792	295,389	192,922	64,831	86,568	60,408
1893	27,640	7,960	20,359	1,512	42,051	91,638	15,511	8,549	36,854	
1894	22,361	8,178	19,812	1,677	49,687	98,263	13,736	5,962	29,076	4,067
1895	20,586	5,268	16,706	2,091	46,723	72,520	9,095	6,302	27,197	3,795
1896	20,699	6,814	17,318	1,924	42,673	80,774	11,888	7,830	29,709	3,077
1897	24,219	7,286	20,606	1,685	56,348	78,411	13,767	8,705	28,940	3,827
1898	23,939	6,735	20,502	1,914	60,508	74,245	16,067	10,871	28,918	4,040
1899	25,128	7,416	18,746	1,805	74,725	88,544	12,837	10,868	26,806	5,384
1890	21,882	7,554	20,746	2,160	78,267	96,095	14,855	17,605	29,918	6,434
1891	27,931	9,829	25,083	2,198	96,124	105,728	17,856	13,264	29,712	5,566
1892	28,850	10,197	20,944	3,116	128,042	104,409	19,718	10,332	28,324	7,064
1893	29,348	10,568	23,687	3,646	80,486	116,250	17,609	14,703	33,638	6,154
1894	16,786	7,620	18,755	2,641	90,315	126,872	15,078	10,985	22,440	4,567
1895	26,123	10,322	17,240	3,522	96,131	70,463	18,351	14,746	33,297	5,789
1896	30,520	9,303	19,032	3,064	84,793	89,220	16,603	16,503	32,643	6,447
1897	27,463	6,015	17,127	3,487	81,544	99,066	17,458	9,584	34,601	9,243
1898	37,069	7,881	14,567	3,358	65,068	60,473	25,386	7,489	27,420	5,671
1899	41,988	10,801	18,314	3,609	55,275	94,964	31,708	9,902	32,265	8,138
1900	57,036	12,000	19,264	4,462	52,468	100,251	31,377	13,297	41,541	10,606
1901	48,220	11,020	19,587	4,888	62,861	90,488	28,455	10,290	40,436	12,606
1902	58,007	15,624	21,481	6,626	70,962	55,061	24,809	15,212	44,956	15,532
1903	58,032	15,302	23,727	9,487	59,201	72,089	40,437	17,235	53,269	14,378
1904	52,006	14,763	24,436	7,829	68,562	71,916	40,444	16,938	50,370	14,631
1905	64,764	18,306	27,937	8,119	84,654	97,645	49,878	18,039	50,162	14,603
1906	83,882	21,856	28,916	9,688	73,256	85,460	45,114	22,448	64,399	20,084
1907	83,207	21,864	37,505	11,690	78,232	92,606	58,920	26,055	74,747	29,114
1908	54,770	15,918	36,874	12,369	67,688	86,258	36,613	22,870	66,825	23,225
1909	78,487	21,087	30,444	14,622	79,112	96,555	61,710	25,401	63,232	19,780
1910	112,248	26,598	36,061	21,639	69,194	106,349	61,079	27,751	68,053	21,448
1911	70,505	23,618	39,976	26,071	90,568	96,691	76,245	27,856	67,004	21,104
1912	102,476	21,986	42,567	25,157	117,827	115,515	93,013	31,919	65,175	24,259
1913	117,380	21,102	41,091	25,191	118,963	103,640	90,170	35,919	66,087	37,774
1914	120,290	11,836	51,026	36,650	110,725	101,436	71,230	35,029	70,723	42,421
1915	104,177	10,162	40,504	23,069	106,766	173,807	83,030	27,157	46,258	24,060
1915 (6 mos.)	67,570	8,640	20,895	6,984	54,394	67,425	38,658	9,384	20,767	15,800
1916	172,603	2,060	41,749	40,061	118,813	227,319	159,748	20,856	54,609	19,089
1917	209,730	29,638	44,744	66,307	122,607	221,960	213,221	33,472	55,675	53,704
1918	108,014	34,144	48,722	11,312	99,423	241,390	146,378	54,080	40,701	80,279
1919	308,510	71,278	78,961	127,833	261,270	393,171	215,820	75,146	52,652	65,768
1920	243,878	92,399	101,551	108,026	252,151	1015,188	242,796	81,630	137,583	69,359
1921	67,561	40,058	73,532	39,880	142,609	235,287	73,773	54,172	75,430	41,377
1922	107,039	68,110	72,490	56,042	160,874	251,905	61,843	66,000	87,070	49,256
1923	118,917	87,975	70,463	64,086	190,232	360,060	185,060	57,156	100,153	66,972
1924	75,052	87,706	72,335	59,607	218,828	363,656	174,231	75,362	90,914	59,396
1925	96,764	115,349	88,604	74,985	286,237	246,008	426,705	71,464	79,271	85,028
1926	96,811	117,418	87,560	70,060	322,746	232,534	505,818	80,570	67,159	82,238
1927	112,446	135,574	84,721	78,659	294,275	158,163	339,869	74,617	66,197	67,249

<sup>1</sup> Includes sirups and maple sugar prior to Oct. 4, 1913.<sup>2</sup> Includes semifinances.

## IMPORTED INTO THE UNITED STATES

1915; calendar years thereafter. In some cases blanks represent entire absence of trade; in other cases not segregated]

sands of dollars]

Wool and mohair	Wool manufactures (including rags, noils, waste)	Silk, raw	Saw-mill products	Wood pulp	Paper and manufactures	Petroleum and products	Copper, including ore and manufactures	Tin, including ore	Fertilizers and materials	Year or yearly average
	7, 239				58		233	149		1821.
97	5, 901	119			170		807	108		1830.
846	10, 808	234			70		1, 653	229		1840.
1, 690	19, 621	386			432		2, 418	674	92	1850.
4, 843	43, 142	1, 236			497		1, 630	1, 158	526	1860.
7, 734	21, 929	1, 194			372		1, 144	591	590	1865.
6, 743	34, 491	3, 018			1, 100		656	2, 043	2, 192	1870.
15, 150	47, 763	5, 237	7, 542		1, 822		1, 495	3, 136	2, 383	1871-1875.
10, 506	28, 482	7, 543	4, 017		1, 359		672	2, 927	2, 251	1876-1880.
10, 603	37, 946	12, 545	8, 076		1, 838		525	4, 962	4, 677	1881-1885.
16, 459	48, 638	19, 380	8, 603		2, 326		470	7, 005	4, 723	1886-1890.
18, 129	34, 531	21, 806	9, 194	1, 851	3, 149		896	7, 687	6, 240	1891-1895.
26, 212	29, 496	30, 514	7, 707	1, 107	2, 882		5, 866	10, 604	7, 043	1896-1900.
24, 687	17, 429	44, 815	12, 147	3, 027	3, 539		22, 611	21, 550	14, 892	1901-1905.
40, 132	21, 285	66, 202	21, 112	7, 729	6, 708		38, 026	30, 244	27, 046	1906-1910.
42, 664	22, 777	80, 079	21, 884	16, 254	12, 952	8, 077	46, 129	41, 493	39, 631	1911-1915.
170, 173	26, 852	213, 900	45, 592	42, 814	47, 214	30, 363	103, 805	73, 739	67, 142	1915-1920. <sup>a</sup>
102, 369	64, 592	348, 123	68, 410	67, 002	105, 239	90, 793	77, 811	59, 225	56, 865	1921-1925.
10, 949	44, 275	14, 043	8, 581		1, 058		395	6, 106	4, 123	1883.
12, 385	41, 158	12, 481	8, 780		1, 714		527	5, 430	4, 480	1884.
8, 880	35, 777	12, 422	7, 677		1, 593		499	4, 283	3, 802	1885.
16, 746	41, 421	17, 233	7, 332		1, 839		598	5, 874	4, 511	1886.
16, 424	44, 903	18, 687	7, 858		2, 028		338	6, 928	4, 959	1887.
15, 887	47, 719	19, 151	8, 918		2, 401		408	8, 759	4, 340	1888.
17, 975	52, 565	18, 544	9, 610		2, 542		483	7, 014	4, 956	1889.
15, 264	56, 582	23, 285	9, 295	1, 814	2, 817		521	6, 899	4, 847	1890.
18, 231	41, 060	17, 995	10, 077	1, 903	3, 031		730	7, 978	5, 950	1891.
19, 688	35, 566	24, 321	9, 606	1, 820	3, 342		1, 146	8, 668	6, 007	1892.
21, 064	38, 049	29, 056	10, 739	2, 909	3, 881		944	12, 359	6, 157	1893.
6, 107	19, 439	15, 628	8, 289	1, 665	2, 628		861	2, 641	5, 749	1894.
25, 556	38, 540	22, 029	7, 259	958	2, 864		801	6, 787	7, 336	1895.
32, 451	53, 494	26, 247	8, 527	1, 053	3, 169		1, 530	6, 762	7, 161	1896.
53, 243	49, 163	18, 497	9, 095	801	3, 122		1, 626	6, 536	5, 785	1897.
16, 784	14, 824	31, 447	5, 068	602	2, 839		3, 809	8, 776	6, 811	1898.
8, 523	13, 833	31, 827	6, 015	672	2, 392		6, 817	11, 843	5, 949	1899.
20, 261	16, 164	44, 550	9, 829	2, 406	2, 890		15, 490	19, 104	9, 509	1900.
12, 530	14, 585	29, 354	8, 636	1, 586	3, 055		20, 582	19, 806	11, 525	1901.
17, 712	17, 384	41, 714	12, 015	2, 059	3, 170		25, 063	19, 462	11, 741	1902.
22, 153	19, 546	49, 003	13, 922	3, 388	3, 483		20, 891	23, 619	15, 087	1903.
24, 814	17, 734	44, 462	12, 027	3, 603	3, 868		21, 682	21, 486	16, 812	1904.
46, 226	17, 894	59, 543	14, 137	4, 501	4, 117		24, 835	23, 378	19, 294	1905.
39, 068	28, 081	52, 856	19, 367	4, 585	4, 793		32, 563	30, 933	22, 761	1906.
41, 534	22, 321	70, 230	20, 959	6, 349	6, 759		47, 725	38, 117	25, 998	1907.
23, 665	19, 388	62, 666	20, 257	7, 313	7, 312	584	31, 520	25, 295	24, 237	1908.
45, 172	18, 102	78, 831	20, 900	8, 629	7, 183	556	38, 076	26, 007	26, 616	1909.
51, 221	28, 582	65, 426	24, 079	11, 768	7, 491	962	40, 245	30, 870	35, 620	1910.
23, 228	18, 570	72, 714	20, 761	13, 980	8, 224	2, 578	39, 682	37, 936	41, 353	1911.
33, 078	14, 913	67, 173	19, 794	14, 219	7, 273	4, 006	45, 217	46, 214	38, 900	1912.
35, 580	16, 318	82, 148	23, 098	16, 165	12, 169	9, 721	59, 580	53, 113	41, 383	1913.
53, 191	34, 294	97, 828	22, 312	17, 023	18, 244	13, 993	54, 506	39, 422	46, 381	1914.
68, 243	29, 791	80, 532	23, 453	19, 881	18, 849	10, 087	31, 661	30, 778	30, 139	1915.
43, 363	7, 461	53, 302	16, 231	8, 567	9, 858	5, 985	27, 992	21, 422	15, 950	1915 (6 mos.) <sup>b</sup>
125, 524	16, 471	144, 757	30, 497	26, 986	24, 611	14, 398	95, 335	55, 836	43, 859	1916.
171, 557	28, 343	184, 283	35, 694	41, 979	42, 031	21, 243	137, 787	68, 372	66, 731	1917.
251, 773	22, 809	180, 210	41, 960	31, 477	48, 214	26, 232	123, 525	104, 589	95, 995	1918.
216, 765	19, 486	329, 339	50, 314	37, 048	54, 452	32, 414	86, 271	62, 762	31, 894	1919.
126, 972	56, 116	284, 891	76, 057	89, 418	80, 510	66, 724	90, 019	92, 582	114, 850	1920.
60, 482	51, 218	259, 054	44, 492	39, 396	88, 330	77, 715	45, 785	22, 319	30, 688	1921.
86, 546	59, 414	365, 787	63, 844	63, 292	85, 334	88, 485	66, 829	46, 302	45, 123	1922.
129, 711	69, 118	391, 908	82, 622	74, 744	115, 659	78, 713	95, 988	63, 261	63, 913	1923.
93, 151	69, 310	327, 582	72, 942	75, 743	117, 673	101, 357	96, 184	69, 024	66, 531	1924.
141, 957	73, 900	396, 286	78, 150	81, 834	119, 201	107, 694	84, 270	95, 219	78, 072	1925.
106, 721	70, 667	392, 760	74, 579	91, 231	139, 499	124, 556	99, 742	104, 980	69, 239	1926.
82, 983	78, 775	390, 365	64, 004	85, 843	149, 365	113, 434	84, 963	100, 944	58, 842	1927.

<sup>a</sup> Average for period July 1, 1915, to Dec. 31, 1920.

<sup>b</sup> July to December.



## No. 503.—EXPORTS AND IMPORTS BY GROUPS AND SUBGROUPS

[Values in millions and tenths of millions of dollars]

Group and subgroup	Exports					Imports				
	1910-1914	1921-1925	1925	1926	1927	1910-1914	1921-1925	1925	1926	1927
Grand total.....	2,130.4	4,310.2	4,818.7	4,711.7	4,758.9	1,683.9	3,450.1	4,226.6	4,439.9	4,184.7
Group 00.—Animals and animal products, edible.....	167.8	342.3	323.2	284.9	226.2	42.9	90.0	102.5	116.3	122.1
A. Animals, edible.....	7.8	6.7	3.9	2.4	2.6	7.6	5.9	6.1	9.2	21.1
B. Meats.....	62.7	133.2	117.9	98.7	64.2	5.1	7.3	7.0	12.2	19.1
C. Dairy products.....	3.3	30.1	23.6	19.0	17.4	10.8	28.1	30.1	34.2	37.0
D. Fish.....	9.7	18.0	20.7	19.9	18.3	15.5	29.3	30.1	34.3	35.4
E. Animal oils and fats, edible.....	76.7	138.5	139.7	128.4	108.4	.8	.4	.3	1.5	1.2
F. Other edible animal products.....	7.5	15.9	17.4	16.5	15.3	3.1	19.0	28.9	24.8	22.3
Group 0.—Animals and animal products, inedible.....	90.0	109.6	129.2	117.0	131.1	174.1	233.2	226.3	300.2	345.3
A. Hides and skins, raw, except furs.....	3.2	7.6	12.0	10.8	11.5	104.6	93.1	96.8	96.8	112.8
B. Leather.....	39.1	44.3	52.2	49.8	54.0	8.5	15.3	22.4	28.6	37.4
C. Leather manufactures.....	19.0	21.8	20.6	18.5	18.4	9.6	12.8	13.9	17.2	21.7
D. Furs and manufactures.....	14.7	22.5	26.6	23.2	30.9	22.6	79.8	115.3	117.4	135.6
E. Animal oils, fats, and greases, inedible.....	7.4	8.1	10.7	7.8	8.5	1.8	4.7	7.1	9.0	8.8
F. Other inedible animals and animal products.....	6.6	5.4	7.2	6.7	7.9	27.0	27.6	30.8	31.2	29.0
Group 1.—Vegetable food products and beverages.....	253.6	675.9	566.7	553.2	658.2	355.3	728.2	823.6	841.4	819.4
A. Grains and preparations.....	147.3	474.3	351.8	355.7	443.8	18.0	32.6	26.2	28.0	23.9
B. Fodders and feeds.....	29.4	26.7	33.8	28.2	32.9	2.7	8.0	11.9	12.6	11.2
C. Vegetables and preparations.....	6.3	19.1	19.1	20.9	21.9	14.4	26.2	36.3	38.4	38.4
D. Fruits and nuts.....	28.7	82.9	102.0	111.8	121.7	42.3	75.5	88.7	87.6	84.7
E. Vegetable oils and fats, edible.....	19.4	11.9	9.0	5.6	7.3	7.4	13.3	15.7	13.9	17.6
F. Cocoa, coffee, and tea.....	7.7	7.3	8.7	9.8	6.9	135.0	263.1	357.1	398.3	350.8
G. Spices.....	.1	.2	.2	.2	.2	7.3	13.9	19.8	16.4	20.1
H. Sugar and related products.....	10.7	51.5	40.6	19.3	21.6	106.4	303.5	266.4	244.5	270.9
I. Beverages.....	4.0	2.0	1.6	1.8	1.9	21.9	2.2	1.6	1.6	1.8
Group 2.—Vegetable products, inedible, except fibers and wood.....	100.6	275.8	283.3	281.0	288.8	210.7	442.0	722.9	802.7	636.9
A. Rubber and manufactures.....	12.4	38.5	51.3	59.2	68.7	97.7	197.8	437.2	516.0	349.0
B. Naval stones, gums, resins, and balsams.....	23.4	22.4	31.8	36.9	34.3	11.9	30.9	30.8	34.0	32.5
C. Drugs, herbs, leaves and roots, crude.....	1.9	3.2	3.0	3.6	3.6	4.2	6.5	7.9	9.2	9.0
D. Oilseeds.....	.5	.2	.3	.2	.1	15.1	51.2	64.7	70.5	64.6
E. Vegetable oils, inedible.....	1.3	4.2	5.3	5.4	6.6	22.5	51.6	65.7	71.7	67.5
F. Dyeing and tanning materials.....	.8	2.3	1.9	1.8	2.2	6.2	8.1	8.2	7.9	10.1
G. Seeds, except oilseeds.....	2.6	3.8	3.5	4.0	3.6	8.2	11.5	11.9	11.6	9.5
H. Nursery and greenhouse stock.....	.4	.4	.4	.5	.4	3.0	7.2	9.8	7.5	7.4
I. Tobacco and manufactures.....	50.3	187.2	171.3	157.4	156.2	37.4	73.2	81.3	69.5	83.0
J. Miscellaneous vegetable products.....	6.8	13.6	14.4	12.0	13.1	4.5	3.8	5.5	4.8	4.3
Group 3.—Textiles.....	616.1	997.2	1,278.4	1,010.3	1,022.5	387.8	893.6	1,049.6	999.7	954.5
A. Cotton, unmanufactured.....	551.9	805.0	1,059.8	814.4	826.3	20.7	46.3	52.8	46.2	45.7
B. Cotton semimanufactures.....	4.7	15.4	22.2	19.1	24.0	6.1	8.4	9.0	6.5	5.4
C. Cotton manufactures.....	40.5	117.7	124.1	109.8	109.3	61.3	78.2	70.2	60.7	60.8
D. Jute and manufactures.....	1.0	2.8	3.7	3.6	3.4	40.6	76.6	108.5	113.3	90.1
E. Flax, hemp, and ramie manufactures.....		.3	.4	.5	.4	36.4	48.9	52.6	52.7	55.3
F. Other vegetable fibers and manufactures.....	9.6	9.5	9.2	7.0	4.9	29.5	34.7	52.1	50.1	41.2
G. Hats of straw or fiber and materials for.....		1.7	1.1	.9	.7	9.7	12.4	14.8	18.1	18.1
H. Miscellaneous fiber manufactures.....						2.9	3.3	3.5	4.5	4.9
I. Wool, unmanufactured.....	(1)	.2	.1	.1	.1	39.3	102.4	142.0	106.7	82.9
J. Wool semimanufactures.....	.5	.9	.9	1.0	1.2		20.5	18.4	11.5	14.6
K. Wool manufactures.....	2.9	6.7	4.9	4.0	4.0	21.5	44.0	55.5	59.2	64.2
L. Hair and manufactures.....	1.4	1.7	2.6	2.2	2.8	5.4	8.9	7.3	7.3	6.1
M. Silk, unmanufactured.....						79.5	356.3	408.4	402.7	399.1
N. Silk manufactures.....	1.9	12.0	18.2	17.8	15.3	29.9	40.9	36.7	40.6	42.2
O. Artificial silk (rayon) manufactures.....		7.0	8.7	7.7	7.4	2.7	8.8	13.1	13.9	18.7
P. Miscellaneous textile products.....	1.7	15.3	22.4	22.3	22.5	2.4	3.0	4.7	5.7	5.1

¹ Less than \$50,000.



## No. 503.—EXPORTS AND IMPORTS BY GROUPS AND SUBGROUPS—Continued

(Values in millions and tenths of millions of dollars)

Group and subgroup	Exports					Imports				
	1910-1914	1921-1925	1926	1927	1928	1910-1914	1921-1925	1926	1927	1928
<b>Group 4.—Wood and paper.</b>	109.7	133.3	179.1	179.7	192.2	79.9	309.6	349.9	272.3	303.6
A. Wood, unmanufactured...	5.1	8.1	9.2	11.1	12.5	9.6	15.0	17.9	17.0	18.0
B. Wood semimanufactures—sawmill products	65.0	85.1	99.6	97.4	107.6	22.1	69.4	78.2	74.6	64.0
C. Wood manufactures	25.7	30.8	36.1	37.9	39.1	4.2	9.1	9.6	10.5	10.6
D. Cork and manufactures	.3	.9	1.5	1.5	1.6	5.6	4.7	5.4	9.7	9.9
E. Paper base stocks	1.9	2.7	5.8	5.0	5.4	27.5	94.2	118.8	121.5	112.6
F. Paper and manufactures	10.7	34.6	28.8	26.8	20.9	10.7	105.2	119.2	139.5	149.4
<b>Group 5. Nonmetallic mineral products</b>	303.3	532.4	632.7	811.6	844.9	99.3	230.1	303.0	301.4	302.8
A. Coal and related products	55.7	131.1	107.0	203.9	109.7	4.7	12.3	7.3	12.3	5.0
B. Petroleum and products	127.7	405.1	472.0	554.5	485.9	6.2	90.8	107.7	124.6	113.4
C. Stone, sand, cement, lime, and plaster	6.4	5.5	5.1	5.6	5.7	2.5	5.3	9.3	9.6	8.2
D. Glass and glass products	3.5	10.1	8.6	9.2	8.9	5.5	17.0	17.4	30.9	17.0
E. Clay and clay products	4.1	7.2	7.7	8.0	8.4	12.6	19.0	21.7	25.9	25.7
F. Precious stones and pearls, and imitations		.1	(1)	.1	.1	42.6	66.5	75.3	60.7	68.7
G. Other nonmetallic mineral products	5.9	23.3	31.3	30.3	35.8	14.1	19.2	24.1	27.6	24.3
<b>Group 6. Metals and manufactures, except machinery and vehicles</b>	302.2	412.4	463.5	459.1	460.2	153.3	343.3	312.3	304.9	302.4
A. Iron ore	2.8	3.0	2.4	3.4	3.4	6.7	7.0	6.9	3.9	6.1
B. Iron and steel semimanufactures	37.0	72.2	70.2	92.7	90.7	12.7	11.7	15.5	16.4	10.0
C. Steel mill products—manufactures	54.2	93.6	73.9	51.4	73.6	1.6	7.7	13.8	17.7	18.3
D. Iron and steel, advanced manufactures	45.0	68.5	76.2	75.9	72.3	8.0	8.3	5.5	6.9	7.2
E. Ferro-alloys	3	.5	.7	.8	1.1	3.1	13.3	18.0	20.8	16.4
F. Nonferrous metals, except precious	141.1	173.5	235.3	200.6	216.1	111.9	178.1	232.0	272.2	247.4
G. Precious metals, jewelry, and plated ware <sup>1</sup>	2.8	2.1	4.8	4.5	5.7	7.6	17.2	20.5	24.1	22.5
<b>Group 7. Machinery and vehicles</b>	300.5	321.2	730.5	759.8	867.0	12.3	17.8	19.2	36.2	37.3
A. Electrical machinery and apparatus	20.9	69.1	73.8	84.2	84.6		1.8	2.4	2.5	2.0
B. Industrial machinery	78.6	166.7	172.9	179.6	201.5					
C. Office appliances	15.0	23.5	33.9	36.3	44.1		11.4	11.7	16.5	16.5
D. Printing machinery	2.2	9.6	9.9	14.3	15.2					
E. Agricultural machinery and implements	40.5	32.1	77.6	85.5	90.7		2.6	3.1	3.0	5.4
F. Automobiles and other vehicles	42.2	210.6	252.5	356.1	420.9	2.6	2.0	1.9	2.2	2.6
<b>Group 8. Chemicals and related products</b>	49.6	107.4	118.3	194.9	131.9	37.7	112.1	139.3	134.9	199.9
A. Coal-tar products	.1	9.9	10.8	14.1	17.1	14.3	16.1	20.7	19.6	24.0
B. Medicinal and pharmaceutical preparations	6.8	16.1	19.8	19.7	20.1	1.8	4.9	5.7	5.9	5.4
C. Industrial chemicals	14.9	30.2	29.2	31.1	35.7	25.6	23.2	22.4	28.2	28.5
D. Pigments, paints and varnishes	6.8	14.6	18.5	18.9	20.9	2.1	3.1	3.2	3.8	2.8
E. Fertilizers and fertilizer materials	10.7	17.5	17.3	20.0	17.7	40.7	56.9	78.1	69.2	58.8
F. Explosives, etc.	1.7	3.9	4.7	4.2	3.5	.7	.9	1.1	1.2	1.1
G. Soap and toilet preparations	5.6	15.3	16.1	16.8	16.9	2.8	7.1	7.1	6.6	8.2
<b>Group 9.—Miscellaneous</b>	59.0	119.6	139.9	134.1	139.3	94.4	153.1	166.9	171.3	178.4
A. Photographic goods	3.0	17.4	18.5	18.6	18.7	2.7	6.4	5.6	5.7	5.8
B. Scientific and professional instruments, apparatus and supplies	4.6	10.0	10.6	12.1	12.2	1.0	2.1	2.9	2.6	2.2
C. Musical instruments	6.1	10.9	13.4	16.0	17.7	1.7	3.8	4.2	5.2	4.9
D. Miscellaneous office supplies	2.0	7.1	9.2	8.8	8.6					
E. Toys, athletic and sporting goods	1.4	4.0	3.1	4.3	5.4	3.1	3.1	6.2	6.6	6.9
F. Firearms and ammunition	6.6	3.1	3.6	5.2	6.0		.3	.5	.5	.5
G. Books, maps, pictures and other printed matter	9.2	19.9	21.0	21.9	24.3	9.2	9.4	13.4	14.4	13.2
H. Clocks and watches	2.2	2.2	2.8	3.2	3.6	2.3	11.8	12.9	15.0	15.6
I. Art works	1.0	.9	.6	1.4	1.4	25.0	31.3	45.9	52.5	60.4
J. Miscellaneous articles, n. e. s.	16.7	41.1	40.7	41.0	35.5	34.2	30.0	66.3	67.4	65.0

<sup>1</sup> Less than \$50,000.<sup>2</sup> Except gold and silver in ore, bullion, and coin.

## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES

[NOTE.—Data are for calendar years except averages for 1910-1914 which are for years ended June 30. A greater number of items are shown separately beginning about 1913 and for this reason many averages for two or three years are shown in the table. However, averages shown for group totals always cover five years. In some cases the detail does not add to the total because of the different periods covered by the averages.]

Commodity and Article		Quantity						Value in thousands of dollars					
		1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
Total exports of domestic merchandise													
GROUP D. ANIMALS AND ANIMAL PRODUCTS.													
Total.....													
A. Animals, edible													
Cattle													
Bull for breeding	number		1 541	1 337	3,381	1,460	997		184	135	274	181	174
Cows for breeding	do	87,625	9,776	11 856	17,303	6,874	6,323	7,212	591	409	755	585	615
Other cattle	do		25 877	47,766	50,881	14,259	11,360		1,113	908	1,349	646	415
Hogs (swine)	do	11 491	87 644	82 848	48,040	28,566	42,270	113	1,107	1,143	960	603	603
Sheep	do	142 601	16,879	18,546	12,041	12,311	22,928	523	1,165	1,190	270	176	261
Poultry, live	1,000 lbs.		543	806	712	565	647		285	306	343	343	370
B. Meats													
Beef and veal—	do	485,438	1,084,077	808,170	611,447	451,361	304,616	62,701	149,363	113,443	117,096	96,735	64,135
Fresh	do	29 452	3,396	2 628	3,359	2,479	1,738	3,100	530	457	541	432	344
Pickled or cured	do	42 873	23,042	21,923	20,930	19,653	14,868	2,779	2,340	2,239	2,224	2,206	1,626
Pork													
Carcasses, fresh or frozen	do	2 024	12,359	8 685	3,264	2,705	1,876	251	1,518	1,077	495	495	391
Loins and other fresh pork	do		42,333	24,115	16,527	12,890	8,650		6,482	3,575	3,002	2,701	1,274
Wiltshire sides	do	168,813	372,093	18,767	14,031	6,139	653	21,788	50,319	2,648	2,819	1,316	194
Hams and shoulders, cured	do			305,110	251,853	183,718	122,612		46,930	46,930	52,121	43,801	25,330
Bacon	do	182,474	456,797	286,628	176,329	147,505	105,649	23,205	60,084	37,035	33,986	28,050	16,094
Cumberland sides	do	48,275	41,841	28,280	27,433	14,180	8,806	5,002	4,094	4,010	5,131	3,119	1,639
Pickled pork	do	3,539	2,087	1,445	1,464	1,171	937	380	389	3,353	4,398	4,785	4,175
Mutton and lamb	do	5,856	7,937	8,565	7,663	4,266	4,351	794	2,030	2,070	313	267	213
Sausage, not canned	do										2,127	1,319	1,272
Canned meats													
Beef	do	9,392	16,137	15,807	16,890	15,699	16,601	2,907	5,190	4,451	5,295	5,267	5,014
Pork	do	4,227	1,733	1,500	2,174	2,645	2,752	1,111	473	343	682	586	912
Sausage	do	1,1,282	2,801	3,274	4,702	6,462	7,274	537	806	687	1,084	2,330	2,003
Other canned meat	do		2,798	3,532	3,773	3,755	3,844	1,174	732	960	1,040	1,126	1,149
Poultry and game, fresh	do		8,805	7,591	6,241	2,737	3,844	1,189	3,069	2,372	1,870	615	853
Other meats (including edible oil)	do		5,722	3,996	3,102	3,496	4,629	899	1,088	1,174	1,548	1,117	1,365
			52,343	49,663	41,006	36,581	37,306	1,536	4,901	4,273	3,806	4,075	4,005

C. Dairy products—										1913	1914	1915	1916	1917	1918	1919	1920	1921	1922
Milk and cream—										1913	1914	1915	1916	1917	1918	1919	1920	1921	1922
Fresh and sterilized—																			
Condensed (sweetened)										57,378	64,025	42,707	86	56	34,381	351	82	67	48
Evaporated (unsweetened)										130,890	142,354	106,046	106,046	76,838	68,047	1,377	6,020	6,007	5,517
Powdered (dried)										2,437	5,529	5,645	2,437	2,461	2,326	1,013	2,774	2,411	2,940
Butter										5,846	8,267	5,343	5,343	5,053	3,410	2,697	2,430	2,430	2,010
Cheese										6,331	4,309	9,180	9,180	3,903	2,410	1,697	1,115	2,430	1,028
Infant's food, malted milk, etc.										1,843	1,887	2,819	2,819	2,870	2,872		696	728	696
D. Fish—										9,710	18,096	30,906	30,906	30,906	18,994	18,994	18,994	18,994	18,994
Fresh—																			
Salmon										4,204	9,694	4,204	4,204	3,022	3,079	1,511	486	502	473
Other										6,901	9,504	6,282	6,282	1,786	5,000	2,777	382	682	440
Shellfish, not canned										2,106	4,079	6,706	6,706	2,066	7,433	366	366	994	1,053
Fish, salted or dry-cured—																			
Salmon										1,092	1,890	1,026	1,026	2,122	2,356	(?)	426	303	510
Cod										3,445	4,118	4,382	4,382	2,934	2,820		424	533	374
Herring										3,755	2,114	2,437	2,437	2,351	2,342	128	156	212	187
Haddock, hake, and pollock										3,426	2,680	2,164	2,164	2,704	2,189		197	278	168
Other										2,146	2,700	1,716	1,716	1,616	2,204	370	131	131	182
Fish, pickled—																			
Salmon										14,567	26,327	22,809	22,809	16,781	14,737	721	1,302	1,302	787
Other										13,364	8,513	8,104	8,104	6,093	7,612	147	126	126	98
Fish, canned—																			
Salmon										59,694	67,013	53,172	53,172	52,511	38,243	5,818	9,061	9,061	6,029
Sardines										33,661	51,261	62,713	62,713	71,265	79,446	2,920	5,302	5,302	6,313
Shellfish										4,391	5,268	4,061	4,061	3,443	5,363	637	936	936	826
Other canned fish										2,110	2,267	2,201	2,201	1,993	2,015	214	204	204	311
Other fish products										1,103	550	533	533	1,494	1,916	150	110	110	151
E. Animal oils and fats, edible—																			
Oleo oil										1,363,650	1,184,457	831,918	831,918	844,117	814,438	75,974	136,740	136,740	103,396
Oleo stock										98,955	99,300	91,972	91,972	94,902	78,781	12,484	11,814	11,814	9,990
Tallow										10,301	12,797	12,187	12,187	12,159	11,913	1,173	1,528	1,528	1,378
Lard and substitutes—										25,129	33,982	17,514	17,514	10,638	6,610	1,308	1,624	1,624	1,563
Lard										1,035,382	944,095	686,529	686,529	628,961	681,303	52,098	118,000	118,000	92,095
Neutral lard										24,129	27,305	16,854	16,854	18,116	20,397	4,797	3,545	3,545	2,008
Lard compounds, containing animal fats										7,461	7,382	14,091	14,091	10,531	8,389	6,109	2,041	2,041	1,064
Oleo and lard stearin										8,765	6,575	7,366	7,366	7,318	5,648	(?)	961	961	1,567
Oleomargarine of animal or vegetable fats										3,366	901	774	774	1,453	796	341	134	134	139
F. Other edible animal products—																			
Eggs, in the shell										12,170	28,117	24,909	24,909	26,634	26,707	7,948	17,374	17,374	14,364
Eggs and yolks, frozen, dried, canned										326	505	301	301	522	661	31	45	45	111
Meat extracts and bouillon cubes										531	222	184	184	206	188	601	363	363	391
Gelatin										262	422	461	461	282	307	190	299	299	199
Sausage casings										17,214	39,967	36,578	36,578	32,120	33,165	4,697	9,135	9,135	6,527

\* Average for years 1913-14.  
 \* Average for years 1910 and 1912-1914.  
 \* Average for years 1911-1914. Included with oleo oil in 1919.  
 \* Sterilized and fatty acids, inedible, include oleo and lard stearin.

## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE</b>												
<b>Total</b>							89,979	104,466	131,693	139,193	116,966	131,149
<b>A. Hides and skins, except furs</b> .....1,000 lbs.	34,097	36,011	105,089	73,449	75,639	63,993	3,191	4,895	12,799	19,031	10,833	11,476
Cattle hides	15,981	23,853	79,706	49,916	51,773	37,565	2,271	2,931	8,493	7,037	6,767	5,945
Calfskins	592	3,982	11,191	12,941	10,226	15,083	7108	834	2,333	3,106	2,027	3,319
Sheep and goat skins		1,015	2,821	2,783	1,675	1,977		250	705	859	512	594
Other hides and skins		7,161	11,371	7,809	11,965	9,368		830	1,228	1,029	1,526	1,617
<b>B. Leather</b>							39,093	42,836	49,187	52,156	49,515	54,003
Upper leather (except patent)—												
Cattle, side upper—												
Grain		8,806	13,661	14,541	18,265	14,071		2,266	3,287	3,927	4,620	3,837
Black					5,113	2,305					1,244	610
Other					13,152	11,766					3,376	3,226
Finished splits		6,247	5,834	4,062	4,563	4,684		1,255	1,033	679	645	794
Wax and rough splits		4,018	3,714	3,145	2,855	3,488		1,029	979	1,001	840	1,579
1,000 lbs.												
Calf and kip	8,628	17,155	25,606	29,276	31,726	32,780	2,062	5,682	8,255	9,935	10,200	10,719
Black					5,525	5,627					1,812	1,893
Other					26,201	27,153					8,388	8,826
Sheep and lamb		6,329	7,986	6,487	8,190	8,413		687	998	996	1,155	1,012
Goat and kid upper leather (glazed kid)												
1,000 sq. ft.	97,885	42,218	38,784	45,242	48,546	52,645	16,789	11,893	10,455	12,579	13,486	15,066
Black					22,331	22,595					5,826	6,032
Other					26,215	30,050					7,660	9,033
Horse and colt		753	811	584	879	488		214	253	188	248	140
Other upper leather		4,694	4,370	4,045	3,003	2,243	6,961	1,332	1,152	1,041	794	646
Patent upper leather—												
Patent side upper leather		20,287	34,258	28,891	25,147	34,830		6,813	10,489	9,313	7,883	10,520
Goat and kid		4,385	6,003	5,399	3,235	2,512		1,096	2,543	2,447	1,442	1,161
Horse and colt		2,437	2,624	2,065	1,405	1,087	1,331	895	976	784	537	406
Other		3,062	507	640	827	1,353		1,005	153	185	276	469
Sole leather	37,632	17,419	22,468	19,328	13,468	9,817	8,568	4,618	6,085	5,013	3,846	3,145
Bends, backs, sides		7,116	8,197	7,389	5,568	4,792		2,531	2,626	2,628	2,115	1,934
Other (including offal)		9,137	13,340	10,980	6,885	4,399		1,607	2,122	2,020	1,405	982
Cut stock		1,166	931	1,059	1,015	636		480	337	365	327	228
Glove leather—												
Sheep and lamb		1,900	1,248	734	1,182	1,262		287	189	137	196	190
Other glove leather		5,938	4,963	4,521	5,289	5,138	1,336	883	714	725	816	867
Other leather—												
Harness, collar, and saddle		115	211	184	172	138		52	99	96	86	68
Upholstery and automobile		1,475	2,013	3,223	2,851	3,215	96	328	379	571	484	593
Fancy leather		826	627	1,084	892	565		167	125	260	263	143
Case, bag and strap		536	620	455	292	448		174	187	115	82	127
Other leather and tanned skins		8,445	11,410	12,231	10,437	9,093	3,583	1,610	1,836	2,174	1,945	2,593

C. Leather manufactures											18,996	19,834	20,562	18,528	18,381
Leather footwear											5,513	5,707	5,513	5,707	5,513
Boots and shoes	1,000 pairs	7,342	6,299	6,004	6,707	5,513	5,707	5,513	5,707	5,513	15,788	15,071	15,319	12,853	12,490
Men's and boys'	do	3,188	2,587	2,703	2,690	2,477	2,690	2,477	2,690	2,477	10,687	8,863	8,667	7,567	7,043
Women's	do	2,293	2,192	2,407	2,014	1,897	2,014	1,897	2,014	1,897	15,803	4,930	5,060	4,379	4,277
Children's	do	1,861	1,520	1,494	1,103	1,139	1,103	1,139	1,103	1,139	1,542	1,778	1,692	1,179	1,170
Slippers	do	239	154	181	232	282	232	282	232	282	1,357	1,167	1,224	260	266
Athletic shoes, sandals, overgaiters, leggings, puttees, and other leather footwear															
1,000 pairs	doz. prs.	116	155	90	108	74	108	74	108	74		184	128	166	114
Leather gloves		27,353	43,085	39,606	18,025	13,885	18,025	13,885	18,025	13,885		229	283	141	133
Harness and saddles											792	738	537	573	286
Bags and suit cases	number	91,523	99,081	110,332	127,582	50,783	127,582	50,783	127,582	50,783	9382	242	293	314	185
Pocketbooks, handbags, cigarette, key, pass, and similar leather cases		611	455	489	478	503	478	503	478	503		185	239	318	485
Leather belting, new	1,000 pieces	1,064	1,111	1,346	1,348	1,242	1,348	1,242	1,348	1,242		1,668	1,993	1,906	1,877
Other leather manufactures	1,000 lbs.										2,034	1,360	1,551	1,906	2,516
D. Furs and manufactures											14,668	26,130	26,588	24,316	30,898
Undressed	1,000 pieces	14,295	14,746	12,758	10,931	15,084	10,931	15,084	10,931	15,084	14,180	21,700	21,814	19,192	25,519
Fox	do	126	173	94	92	155	92	155	92	155		1,328	880	1,098	1,999
Muskrat	do	5,122	5,200	1,968	1,629	1,730	1,629	1,730	1,629	1,730		3,400	1,875	2,025	2,892
Raccoon	do	195	178	84	49	38	49	38	49	38		681	393	302	263
Skunk and civet cat	do	3,052	3,266	3,232	2,927	2,793	2,927	2,793	2,927	2,793		6,881	7,712	6,238	6,765
Opossum	do	2,213	2,374	3,971	3,328	5,242	3,328	5,242	3,328	5,242		2,634	4,491	4,499	6,564
Other undressed furs	do	3,587	3,575	3,409	2,906	5,125	2,906	5,125	2,906	5,125		6,766	6,463	5,030	8,046
Dressed on the skin—															
Fox	do	17	22	33	27	38	27	38	27	38		506	757	544	662
Muskrat	do	163	118	85	40	32	40	32	40	32		145	94	55	49
Skunk and civet cat	do	44	91	44	42	32	42	32	42	32	7804	201	113	101	78
Opossum	do	164	78	151	70	125	70	125	70	125		120	162	100	184
Other dressed furs	do	3,258	3,348	1,984	1,240	1,667	1,240	1,667	1,240	1,667		2,872	2,579	2,017	2,828
Fur wearing apparel (except fur felt hats)	do														
Fur waste, including pieces	number	440	780	1,062	2,421	2,776	2,421	2,776	2,421	2,776		187	208	111	153
Other fur manufactures	1,000 lbs.				888	1,739	888	1,739	888	1,739		259	606	819	1,209
E. Animal oils and greases, inedible												140	249	277	150
Animal oils, except oleo oil—	1,000 lbs.	74,690	91,766	90,607	79,610	92,906	79,610	92,906	79,610	92,906	7,408	8,789	10,678	7,944	8,458
Neat's-foot oil	do	1,145	1,824	1,431	1,083	1,806	1,083	1,806	1,083	1,806		277	283	198	236
Other	do	2,971	1,874	2,147	660	946	660	946	660	946		230	281	80	102
Fish oils	do	1,038	778	614	809	692	809	692	809	692		119	115	119	80
Stearins and fatty acids, except oleo and lard stearin—															
Grease stearin	1,000 lbs.	3,520	3,008	2,629	2,429	3,406	2,429	3,406	2,429	3,406		303	296	270	387
Oleic acid, or red oil	do	1,787	2,689	491	852	2,174	852	2,174	852	2,174	1,278	226	51	86	191
Stearic acid	do	2,863	2,198	1,931	1,012	2,853	1,012	2,853	1,012	2,853		255	283	139	240
Other animal greases, oils, and fats	do	61,416	79,394	81,264	72,765	81,829	72,765	81,829	72,765	81,829	10,6219	7,329	9,394	6,954	7,266

<sup>1</sup> Average for years 1913-14.      <sup>2</sup> Stearins and fatty acids, inedible, include oleo and lard stearin.

<sup>3</sup> Average for years 1911-1914.      <sup>4</sup> Includes trunks.

<sup>5</sup> Average for years 1912-1914.

<sup>6</sup> "Other animal greases" include lubricating greases for 1910-1914.

## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
O.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—CON.												
F. Other inedible animals and animal products												
Animals												
Horses—												
For breeding	28,073	379	279	562	570	1,069	4,008	126	134	282	190	248
Other		9,287	10,788	15,643	14,675	8,947		849	900	1,137	925	833
Mules, asses, burros	5,125	17,116	13,689	26,470	18,833	19,722	768	1,695	1,575	2,722	1,702	2,352
Other live animals							342	176	219	487	372	594
Bones, hoofs, and horns, unmanufactured												
Feathers, crude, not dressed		6,389	4,434	3,775	1,996	1,806	151	339	201	146	79	72
Feathers, dressed, and manufactures of		3,408	4,095	6,328	5,000	6,285	453	255	324	598	422	578
Glue of animal origin	2,551	2,510	2,173	2,546	2,463	2,352		242	216	267	162	162
Sponges	209	127	175	98	106	100	271	386	348	385	381	384
Wax manufactures		1,749	1,586	1,292	2,891	1,783	186	186	175	122	165	168
Other animal products, inedible							84	384	331	288	482	393
							372	402	421	764	1,869	2,161
							263,563	476,166	633,969	566,706	553,914	658,159
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES												
Total												
A. Grains and preparations												
Barley—												
Grain	7,896	11,983	20,712	29,059	13,586	37,973	147,963	311,350	433,793	351,791	355,667	443,767
Malt	211	3,224	3,946	4,704	3,316	2,869	5,073	9,322	22,302	26,930	10,371	35,432
Buckwheat	32	50	122	110	101	467	21	3,222	4,287	5,687	3,440	2,043
Corn—												
Grain	39,810	42,188	18,366	12,762	23,064	13,428	25,231	36,806	17,825	14,253	19,840	11,432
Meal and flour	400	624	435	248	516	387	1,351	2,627	2,227	2,010	2,500	1,872
Hominy and grits		49,382	29,893	20,055	30,141	23,143		943	659	490	554	472
Other preparations for table use		5,473	6,953	7,923	10,367	8,088		347	488	598	739	598
Oats—												
Grain	8,304	3,227	3,953	29,443	11,574	10,053	3,345	1,096	2,367	15,812	5,758	5,269
Meal and rolled oats	24,320	160,628	83,446	151,654	140,900	66,562	806	5,634	3,525	6,262	6,006	4,030
Rice—												
Grain	18,489	292,852	122,543	39,907	77,061	269,596	687	11,574	6,022	2,375	3,536	9,742
Flour, meal, and broken rice		55,987	31,967	26,792	40,410	70,408		1,300	946	909	1,348	2,068
Rye—												
Grain	855	30,850	35,666	28,675	11,941	35,941	598	28,215	39,233	37,241	12,262	39,677
Flour	5,579	194,267	219,030	36,747	15,667	38,460	22	806	971	242	97	296
Wheat—												
Grain	56,913	98,533	166,302	86,526	138,275	168,307	55,063	116,490	237,114	148,717	201,739	229,504
Flour	10,679	16,310	15,990	11,119	11,850	12,823	51,127	88,151	91,210	85,067	83,133	83,333

	13,048	11,161	12,008	16,028	13,925	11,455	749	1,577	1,791	2,390	2,311	2,081
Bread, biscuits, cakes, and crackers, 1,000 lbs. . . . .					8,273	6,617					1,123	967
Plain, not sweetened or flavored . . . . .					5,600	4,872					1,050	1,034
Sweetened or flavored . . . . .					8,273	6,438					711	714
Macaroni, spaghetti, and noodles . . . . .					3,612	4,803		505	590	727	371	339
Other wheat products for table use . . . . .					2,247	2,861		312	549	768	307	347
Cereal breakfast foods, n. e. s. . . . .					8,404	43,642		1,294	899	680	621	1,160
Other grains and preparations of . . . . .								416	634	497		
<b>B. Feeders and feeds</b> . . . . .												
Hay . . . . .	46,108	37,444	19,992	21,280	13,828	13,536	29,447	21,666	20,418	28,777	20,314	19,917
Oil and oil-cake meal . . . . .	1,668,021	917,305	1,289,940	1,487,750	1,449,758	1,586,060		10,831	27,591	31,856	20,438	30,186
Cottonseed cake . . . . .	n 623,288	292,203	410,992	361,446	541,251	632,371	23,645	6,760	8,573	11,871	8,364	11,498
Lined cake . . . . .	n 661,819	332,618	632,561	638,832	577,295	645,356	11,044	11,008	12,003	14,268	12,100	12,460
Other oil cake . . . . .	n 72,914	4,737	3,375	17,698	14,748	23,017	1,044	57	68	273	218	346
Cottonseed meal . . . . .		52,163	210,774	237,523	300,857	257,728		1,137	4,497	4,982	4,961	4,465
Lined meal . . . . .	(u)	32,082	20,994	12,169	13,493	16,941	(u)	1,700	4,446	294	2,353	303
Other oil-cake meal . . . . .		3,592	11,253	20,368	2,165	2,555		73	262	361	30	45
<b>Bran and middlings</b> . . . . .	90,664	2,276	2,644	8,538	4,049	4,077	2,761	86	59	126	115	180
Screenings . . . . .		9,530	14,363	9,301	6,985	4,433		191	339	59	83	59
Other mill feeds . . . . .		11,429	15,176	16,849	9,317	83,067	2,084	446	481	888	351	730
Prepared feeds, not medicinal . . . . .		17,740	24,430	38,594	48,583	92,379		363	356	354	300	1,477
<b>C. Vegetables and preparations</b> . . . . .												
Beans, dried . . . . .	342	780	606	499	586	620	6,349	19,043	19,490	19,040	20,361	21,914
Peas, dried . . . . .		120	77	66	126	163		2,745	2,406	2,151	2,098	1,997
Vegetables, fresh—								325	303	342	336	660
Potatoes, white . . . . .	1,589	2,696	3,562	2,323	2,083	2,379	1,264	3,790	4,192	3,228	3,497	3,596
Onions . . . . .	352	494	584	516	616	476	313	864	949	579	523	716
Other fresh vegetables . . . . .		82,455	92,074	101,001	116,583	141,256	1,733	3,294	3,308	3,693	4,073	4,560
<b>Vegetables, canned</b> . . . . .												
Asparagus . . . . .		47,522	49,085	55,361	71,347	60,648	1,401	5,175	5,621	5,918	6,749	7,467
Beans . . . . .		8,765	9,020	10,776	12,290	14,364		1,026	1,878	1,756	1,870	2,200
Corn . . . . .		5,446	6,546	9,217	16,877	14,427		478	574	518	1,256	1,234
Peas . . . . .		3,191	6,203	6,126	4,313	5,017		254	478	302	354	363
Soups . . . . .		3,916	4,566	5,480	4,349	6,109		373	444	434	369	504
Tomatoes . . . . .		14,203	13,377	15,669	22,842	28,485		1,580	1,590	1,780	2,073	2,164
Other canned vegetables . . . . .		9,005	6,062	6,292	7,265	6,331		1,661	1,408	246	472	353
<b>Pickles</b> . . . . .		2,803	2,799	2,700	4,411	9,905		263	253	389	354	372
Ketchup and other tomato sauces . . . . .		12,709	2,317	2,129	1,938	3,433		1,702	222	263	206	364
Other sauces and relishes . . . . .		2,471	6,035	5,220	5,822	7,793			366	371	942	1,132
Vinegar . . . . .	154	197	212	200	229	218	32	70	111	120	133	137
Yeast . . . . .		2,337	2,099	3,468	3,047	4,478	200	673	701	563	960	767
Other vegetable preparations . . . . .		1,464	2,617	1,660	2,141	2,533		174	192	170	216	268

<sup>1</sup> Oils and oil-cake meal are not shown separately.

<sup>2</sup> Average for years 1913-14.



## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Commodity group and article	Quantity					Value in thousands of dollars						
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>GROUP 1: VEGETABLE FOOD PRODUCTS—Contd.</b>												
<b>D. Fruits and nuts</b>												
Fruits and preparations												
Subtropical fruits												
Grapefruit		281	313	447	411	765	35,405	68,616	97,000	108,015	111,797	191,056
Lemons	176	182	228	193	290	308						3,315
Oranges	1,186	2,294	2,564	1,981	2,962	3,502	28,026	67,480	94,451	100,741	110,311	120,143
Pineapples		38,902	39,724	36,781	59,266	70,478						3,415
Other fruits												1,484
Apples in boxes		4,671	6,719	4,923	6,924	6,407						15,132
Apples in barrels		1,402	1,881	1,707	3,082	3,043						221
Berries	1,551	10,399	10,685	8,142	8,789	11,106						15,015
Grapes		19,856	20,576	24,265	30,650	38,716						15,173
Pears		61,186	41,516	71,702	66,741	54,665						1,142
Peaches		15,049	18,074	18,225	14,454	17,720						1,979
Other fresh fruits		32,650	31,221	37,447	39,402	47,297						3,839
Dried and evaporated fruits												777
Raisins		190,657	308,950	331,709	303,557	461,000						1,863
Apples	18,004	77,814	92,140	125,924	141,038	177,435						33,797
Apricots	35,137	16,708	29,740	22,731	28,327	27,664						12,302
Peaches	19,438	20,169	30,456	20,161	15,955	20,913						2,908
Prunes	5,482	4,656	12,552	4,412	6,335	6,517						3,510
Other	80,428	59,104	220,912	146,465	168,076	229,560						671
Canned fruits		12,206	13,150	12,006	14,826	19,571						12,614
Apples and apple sauce		147,576	224,313	263,361	223,749	247,879						1,701
Apricots			14,581	12,355	14,319	13,878						22,632
Cherries		25,771	37,203	33,403	32,300	25,917						707
Prunes		1,466	1,794	1,885	1,917	1,802						2,476
Peaches			2,486	2,852	3,461	3,072						292
Pears		40,245	65,851	64,749	65,599	78,177						324
Pineapples		40,553	59,123	69,453	61,237	61,900						6,519
Other canned fruits		17,414	28,502	36,268	31,121	45,993						6,505
Preserved fruits, jellies, and jatus		22,127	14,773	22,547	22,746	17,149						4,308
Other fruit preparations		1,997	2,015	1,556	1,894	2,471						1,941
Nuts		2,302	17,121	17,494	27,000	24,551						423
Peanuts		10,511	9,630	8,120	9,060	11,022						3,341
Other nuts		4,906	3,127	3,499	4,232	4,527						1,521
Vegetable oils and fats, edible		5,705	6,473	4,621	5,428	6,185						302
Cottonseed oil												1,136
Crude												
Refined												
Other vegetable oils and fats, edible		64,548	54,856	78,918	59,476	77,141						7,369
Cottonseed oil		49,608	43,342	62,416	40,001	67,062						5,968
Crude		27,782	18,948	33,554	27,307	31,407						4,184
Refined		21,826	24,394	28,862	12,694	35,655						1,784

Corn oil.....	do	19,721	4,361	3,679	3,847	1,324	310	1,269	559	496	518	190	35
Cocoa butter.....	do		762	846	2,432	667	342		215	218	688	209	130
Vegetable oil lard compounds.....	do		9,617	6,989	8,223	7,586	5,431		1,339	976	1,229	1,097	716
Other edible vegetable oils and fats.....	do						3,075						474
F. Cocoa and coffee.....	do												
Cocoa, powdered.....	do		33,959	35,183	31,133	34,034	34,035	7,738	6,315	8,334	8,679	9,306	6,890
Chocolate, including sweetened.....	do		5,523	4,198	3,488	2,351	3,464		331	342	345	304	378
Chocolate, green.....	do		1,295	1,517	1,571	1,181	1,930	440	302	339	333	252	224
Coffee, green.....	do	44,904	24,714	26,693	23,584	28,062	16,806	6,981	4,802	6,477	6,893	8,050	5,018
Coffee, roasted.....	do	1,490	1,652	2,038	1,623	1,371	1,653	307	429	601	571	532	608
Coffee extracts and substitutes.....	do		775	736	866	1,069	1,172		451	465	537	667	658
G. Spices.....	do		1,843	1,780	1,173	1,081	1,506	73	396	394	309	304	240
H. Sugar and related products.....													
Sugar, refined.....	1,000 lbs	70,988	444,916	440,495	758,716	213,785	250,646	10,735	39,503	36,974	40,633	19,395	31,000
Molasses.....	1,000 gals	3,511	2,561	2,617	3,107	4,159	6,093	2,969	28,933	24,028	28,160	7,570	10,311
Confectionery—								397	497	449	440	396	488
Chocolate.....	1,000 lbs		9,774	10,733	{	2,040	2,015	1,086	2,014	2,054	767	566	606
Other.....	do		2,928	3,244	4,388	11,402	12,490		1,386	1,463	1,861	1,959	2,131
Chewing gum.....	do		2,086	5,014	5,089	7,754	12,055	134	237	529	1,907	2,194	1,567
Honey.....	do		139,527	171,722	146,068	146,718	135,634	154	4,570	6,100	5,538	7,700	1,053
Glucose (corn sirup).....	do		40,997	5,821	2,789	9,752	6,451	3,116	269	261	5,660	4,594	4,403
Grape sugar (corn sugar).....	do		5,184	4,195			2,665	873	1,597	1,300	1,108	321	224
Sirup, including maple.....	1,000 gals				4,445	3,668		1,996	1,597	1,300	1,192	996	796
I. Beverages.....													
Malt extract and sirup.....	1,000 gals		269	460	344	422	476	3,955	2,051	1,637	1,584	1,776	1,894
Distilled liquors.....	1,000 pt. gals		303	268	118	294	34	1,209	140	280	268	351	400
Flavoring extracts <sup>1</sup> .....	1,000 lbs		2,042	557	498	597	648	2,082	853	363	157	123	27
Mineral waters, natural and artificial.....								127	678	399	428	457	493
Other beverages and fruit juices <sup>1</sup> .....	1,000 gals		238	221	207	256	196		193	179	179	192	173
Other beverages and fruit juices <sup>1</sup> .....	do		217	313	407	424	508	537	187	416	552	652	791
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD													
Total.....								100,566	267,533	280,774	283,330	291,011	293,947
A. Rubber and manufactures.....													
Rubber, reclaimed.....	1,000 lbs		5,002	5,453	10,240	12,076	19,130	13,444	36,970	39,641	51,341	59,305	66,656
Rubber, scrap and old.....	do		6,801	21,452	30,951	29,843	31,332	792	469	524	1,067	1,425	1,751
Rubber footwear—								712	620	839	1,616	1,947	1,946
Boots.....	1,000 pairs			680	907	1,013	874			1,592	2,091	2,372	2,074
Shoes.....	do			1,681	1,106	1,486	1,911			1,375	985	1,452	1,709
Canvas shoes with rubber soles.....	do			3,918	4,642	5,469	4,799			2,962	3,291	3,969	3,289
Rubber water bottles and fountain syringes.....	1,000 pieces			260	300	287	339						
Rubber gloves.....	doz. pairs					39,617	76,264			197	214	207	222
Other druggist rubber sundries.....												244	243
Bathing caps.....	1,000 dozens										1,139	487	447
Hard rubber goods—											221	334	340
Electrical hard rubber goods.....	1,000 lbs		731	526	1,123	839	1,247					279	314
Other hard rubber goods.....												408	383

<sup>1</sup> Average for years 1913-14.  
<sup>1</sup> "Fruit juices" are included with "flavoring extracts" prior to 1924 and with "other beverages" thereafter.  
<sup>1</sup> "Other fresh fruits" are included with "other dried and evaporated."

## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>2.—VEGETABLE PRODUCTS, INEDIBLE—Continued</b>												
<b>A. Rubber and manufactures—Continued.</b>												
Tires—												
Casings, automobile		1,363	1,250	1,628	1,497	2,631		15,208	15,063	21,066	24,359	33,789
Tubes, automobile		1,016	1,104	1,475	1,127	1,631		1,740	2,021	2,975	3,024	3,499
Other casings and tubes		130	96	96	71	61		328	235	268	219	174
Solid tires—												
For automobiles and motor trucks		96,847	102,782	112,592	98,123	97,001	13,626	2,376	2,691	3,180	3,458	2,887
Other		940	1,167	1,715	1,551	1,765		229	291	430	502	436
Tire rubber accessories and repair materials								359	521	1,104	1,612	1,833
Rubber and friction tape											352	429
Rubber belting		3,548	3,572	4,079	4,173	5,011		2,032	2,089	2,425	2,657	2,682
Rubber hose		4,456	4,423	5,349	6,125	7,118		1,735	1,729	2,098	2,523	2,671
Rubber packing		1,564	1,885	1,915	2,149	2,415	2,284	731	838	881	1,097	1,109
Rubber soles and heels		1,904	2,511	3,392	4,277	4,922		679	823	1,059	1,363	1,526
Rubber thread		895	1,240	1,517	1,460	1,526		917	1,379	1,816	1,958	1,908
Rubber bands and erasers						891					550	639
Other rubber manufactures							4,108	3,276	2,552	2,392	2,412	2,360
<b>B. Naval stores, gums, and resins.</b>							23,363	94,890	95,809	91,809	96,865	94,385
Naval stores—												
Rosin	1,348	1,205	1,452	1,172	1,094	1,368	13,772	11,058	13,755	18,889	24,633	28,068
Gum rosin					956	1,238					21,904	20,927
Wood rosin					138	144					2,730	2,155
Gum spirits of turpentine	17,989	11,478	11,510	11,557	11,587	15,810	9,302	12,304	10,105	11,346	10,686	9,505
Wood turpentine		393	561	584	685	681		406	443	439	530	395
Tar and pitch of wood	14 60,953	41,828	28,685	14,025	13,702	27,676	11 289	376	267	202	220	266
Other gums and resins		2,079	2,140	2,807	3,095	3,756		676	739	983	845	1,097
<b>C. Drugs, herbs, leaves, and roots, crude</b>												
Ginseng	190	148	167	138	180	169	1,965	8,543	4,040	3,961	3,573	3,567
Other crude vegetable drugs		5,962	7,722	5,743	4,922	4,864	1,429	2,245	2,400	1,668	2,640	2,556
<b>D. Oilseeds.</b>	33,993	2,584	3,268	3,686	3,458	1,709	506	1,298	1,640	1,293	987	1,080
<b>E. Vegetable oils.</b>							497	137	388	379	168	98
Expressed oils and fats, inedible—							1,311	4,388	4,863	6,977	6,490	6,573
Coconut oil		16,562	17,961	17,901	15,952	20,418		1,417	1,604	1,764	1,545	1,783
Linseed oil	3,936	3,013	2,387	2,487	2,567	2,525	308	408	318	355	251	304
Soy-bean oil		1,356	2,264	520	1,567	5,444		140	253	44	191	607
Vegetable soap stock		3,815	5,528	7,751	12,399	10,264		257	300	499	681	549
Other expressed oils and fats		8,718	5,468	8,537	8,816	8,482	347	995	703	941	1,067	1,204
Essential or distilled oils—												
Peppermint	128	123	177	68	68	213	340	366	847	776	571	833
Other		38	1,098	1,321	3,067	3,617	316	646	828	898	1,125	1,291

										1,909	1,909	1,909	1,909	1,909	1,909	1,909	1,909	1,909	1,909
<b>F. Dyeing and tanning materials</b>																			
Dye extracts—																			
Logwood extract.....1,000 lbs.										1,954	1,494	2,225	1,362	2,724	2,724	2,724	2,724	2,724	2,724
Other dye extracts.....do										2,290	1,980	1,345	1,046	1,046	1,046	1,046	1,046	1,046	1,046
Dyeing and tanning materials, crude.....tons										1,442	2,206	8,011	1,341	1,620	1,620	1,620	1,620	1,620	1,620
Tanning extracts—																			
Chestnut.....1,000 lbs.										8,715	9,278	7,267	6,176	8,875	8,875	8,875	8,875	8,875	8,875
Other.....do										20,467	22,546	21,515	24,847	30,828	30,828	30,828	30,828	30,828	30,828
<b>G. Seeds, except oil seeds</b>																			
Field and garden seeds—																			
Alfalfa.....do										300	303	1,333	742	1,303	1,303	1,303	1,303	1,303	1,303
Red clover.....do										801	516	416	584	1,200	1,200	1,200	1,200	1,200	1,200
Other clover.....do										800	1,122	721	1,169	1,708	1,708	1,708	1,708	1,708	1,708
Timothy.....do										18,570	14,536	12,485	13,686	16,670	16,670	16,670	16,670	16,670	16,670
Other grass seeds.....do										4,004	4,070	5,806	5,689	5,660	5,660	5,660	5,660	5,660	5,660
Other field seeds.....do										4,972	4,124	2,022	4,297	2,502	2,502	2,502	2,502	2,502	2,502
Vegetable and flower seeds.....do										3,478	2,862	4,069	3,260	4,286	4,286	4,286	4,286	4,286	4,286
<b>H. Nursery and greenhouse stock</b>																			
Flowers, cut.....do										1,900	1,444	1,686	2,125	1,675	1,675	1,675	1,675	1,675	1,675
Fruit stock, cuttings, or seedlings.....thousands										5,097	6,106	5,539	5,762	4,862	4,862	4,862	4,862	4,862	4,862
All other nursery or greenhouse stock, plants, and bulbs.....thousands																			
<b>I. Tobacco and manufactures</b>																			
Tobacco, unmanufactured.....1,000 lbs.										392,183	497,347	477,489	467,036	511,808	511,808	511,808	511,808	511,808	511,808
Leaf tobacco.....do										388,284	474,500	468,471	478,772	505,262	505,262	505,262	505,262	505,262	505,262
Bright flue-cured.....do										179,062	265,616	278,279	287,204	302,425	302,425	302,425	302,425	302,425	302,425
Burley.....do										6,001	7,898	8,017	6,739	17,444	17,444	17,444	17,444	17,444	17,444
Dark-fired, Kentucky and Tennessee.....do										150,800	170,228	118,974	119,847	112,008	112,008	112,008	112,008	112,008	112,008
Dark Virginia.....do										48,361	31,071	20,243	18,300	24,277	24,277	24,277	24,277	24,277	24,277
Maryland and Ohio export.....do										16,062	12,681	18,918	18,592	20,036	20,036	20,036	20,036	20,036	20,036
Green River (Pryor) and one-sucker.....do										14,068	18,065	17,871	14,076	19,169	19,169	19,169	19,169	19,169	19,169
Cigar leaf.....do										389	1,494	893	619	531	531	531	531	531	531
Other leaf tobacco.....do										66,708	41,904	14,082	18,185	9,603	9,603	9,603	9,603	9,603	9,603
Stems, trimmings, and scrap tobacco.....do										22,840	28,843	9,017	8,263	5,617	5,617	5,617	5,617	5,617	5,617
<b>Tobacco manufactures</b>																			
Cigarettes.....millions										12,263	10,490	8,146	9,589	7,088	7,088	7,088	7,088	7,088	7,088
Chewing tobacco, plug and other.....1,000 lbs.										8,769	3,811	3,725	3,651	3,726	3,726	3,726	3,726	3,726	3,726
Smoking tobacco (including cigar cuttings).....1,000 lbs.										859	979	1,188	1,038	1,134	1,134	1,134	1,134	1,134	1,134
Other tobacco manufactures.....do																			
<b>J. Miscellaneous vegetable products</b>																			
Starch—																			
Cornstarch.....1,000 lbs.										195,020	265,151	222,267	208,789	242,870	242,870	242,870	242,870	242,870	242,870
Other starch.....do										9,215	5,232	10,482	21,551	9,651	9,651	9,651	9,651	9,651	9,651
Broom corn.....tons										2,498	4,524	4,012	4,082	4,048	4,048	4,048	4,048	4,048	4,048
Brooms.....dozens										17,101	16,376	22,133	18,235	18,560	18,560	18,560	18,560	18,560	18,560
Hops.....1,000 lbs.										20,041	17,391	20,655	12,835	14,119	14,119	14,119	14,119	14,119	14,119
Other inedible vegetable products.....do																			

10 Tar, turpentine, and pitch.

\* Of 500 pounds.

† Average for years 1911-1914.

‡ Average for years 1913-14.

## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>GROUP 3.—TEXTILES</b>												
<b>Total</b> .....												
<b>A. Cotton, unmanufactured</b> .....	8,532	5,280	6,794	8,533	9,048	9,478						
Long staple (1½ inches or over) —	4,419,802	2,742,968	3,482,585	4,384,159	4,601,579	4,897,063		1,002,042	1,143,561	1,278,370	1,010,269	1,023,455
Sea-island.....	22	7	1	171	2	2		3	186	103	528	340
Other 16.....	8,440	870	1,124	1,623	1,111	776						
	8,510	458,652	580,250	839,761	674,856	621,861		135,921	164,435	215,741	127,055	112,402
	4,411,362	4,354	5,528	6,739	7,628	8,003		668,737	780,311	837,445	682,783	705,577
Short staple (under 1½ inches).....		2,255,562	2,828,997	3,456,349	3,944,776	4,117,187						
Linters.....		56	141	170	132	279		2,442	5,648	6,463	4,064	7,988
		28,747	72,881	87,878	70,835	157,239						
<b>B. Cotton semimanufactures</b> .....		83,320	97,996	118,008	103,414	140,470		15,990	16,533	22,212	19,090	23,997
Cotton-mill waste.....	62,273	55,987	65,617	77,048	66,788	96,522		7,610	7,616	8,721	6,078	8,651
Cotton rags, except paper stock.....	110,359	15,252	18,706	19,068	12,590	15,407		987	1,498	1,591	850	1,022
Cotton yarn—												
Carded yarn, not combed.....		7,327	7,929	13,506	14,794	17,496		3,299	3,524	5,708	5,287	5,724
Combed yarn.....		4,754	5,744	8,386	9,242	11,045		3,334	3,900	6,188	6,895	8,601
<b>C. Cotton manufactures</b> .....												
Cotton thread and cordage—												
Sewing thread.....		1,583	1,406	960	1,299	1,237		1,819	1,600	1,047	1,280	1,128
Crochet, darning, and embroidery cotton.....		226	129	98	123	136		246	173	136	160	157
Twine and cordage.....		3,061	3,159	4,586	4,994	4,550		1,338	1,522	2,036	1,892	1,684
Cotton cloth, duck, and tire fabric.....	398,574	464,519	477,816	543,317	513,300	555,022		79,357	78,204	85,011	74,599	76,756
Tire fabric—												
Cord.....					787	3,454					386	1,406
Other.....					1,216	1,525					463	393
Cotton duck.....		8,929	9,131	11,557	11,302	15,162		4,065	4,174	5,065	4,184	4,740
Unbleached.....		6,880	7,181	9,024	9,166	11,927		3,217	3,354	4,150	3,413	3,756
Bleached.....		1,059	1,086	1,717	1,253	1,927		476	494	617	453	610
Colored.....		990	864	816	883	1,307		372	326	298	318	374
Cotton cloth.....		455,590	468,685	531,760	499,995	544,881		75,292	74,030	79,946	69,556	70,216
Unbleached.....		103,287	110,921	129,581	119,608	125,719		13,488	13,943	15,096	12,455	11,356
Bleached.....		77,635	82,459	92,988	98,359	87,801		12,288	12,076	13,352	12,371	9,984
Printed.....		102,202	97,263	111,198	99,150	117,334		15,196	13,926	14,921	14,046	15,770
Piece dyed.....		99,804	93,955	107,345	100,437	120,244		19,724	18,082	20,320	17,645	19,281
Yarn or stock dyed.....		72,662	84,087	90,698	82,442	94,283		14,353	16,003	16,257	13,040	13,825
Other cotton fabrics—												
Blankets.....		1,474	1,181	1,265	1,492	1,583		970	729	818	860	926
Damasks.....		502	555	434	306	372		167	198	100	108	97

Pile fabrics, plushes, velveteens, and corduroys.....	623	295	335	417	590	419	304	355	430	546
Tapestries and other upholstery.....	133	63	53	66	78	152	81	84	86	112
Other cotton goods.....	4,182	3,232	3,250	2,649	3,703	2,469	1,542	1,520	1,226	1,503
Cotton wearing apparel.....						23,912	20,906	22,171	18,508	15,770
Knit goods—						7,852				
Gloves.....	71,779	42,085	129,424	130,772	149,753	83	94	232	270	212
Hosiery.....	4,793	4,826	5,534	4,745	4,337	10,525	9,096	10,494	8,407	7,330
Underwear.....	1,098	980	1,019	794	663	5,025	3,741	3,828	3,214	2,541
Sweaters, shawls, and other knit outerwear.....				570	509	447	517	445	495	412
Other wearing apparel for men and boys—										
Collars and cuffs.....	213	449	428	363	356	463	771	683	570	525
Overalls.....	207	145	140	144	13	346	196	177	168	166
Underwear, not knit.....	94	153	185	180	145	865	824	973	842	691
Shirts.....	1,871	2,774	2,608	2,433	210	2,962	2,819	2,497	2,340	1,988
Other cotton clothing.....				1,283	1,113	1,965	1,737	1,763	1,602	1,418
Other wearing apparel for women and children—						5,884				
Dresses, skirts, and waists.....	418	254	241	233	209	442	376	290	223	229
Underwear, not knit.....	53,402	37,210	37,665	20,624	17,337	206	192	241	79	59
Other cotton clothing.....				342	280	582	543	543	296	200
Other cotton manufactures—										
Handkerchiefs.....	360	332	286	259	225	285	240	190	179	143
Laces, embroideries, and lace window curtains.....										
Cotton belting.....	8,905	3,507	7,387	8,970	6,406	417	284	310	258	216
Cotton bags.....		378	473	549	521	160	169	263	292	321
Mattresses.....	3,033	4,095	5,414	6,611	6,575	1,006	1,264	1,690	1,706	1,393
Quilts and comforts.....	12,491	12,336	11,837	12,530	21,286	112	120	105	110	124
Sheets and pillowcases.....	73,293	71,223	93,856	89,392	87,589	167	139	180	154	137
Towels and bath mats.....	226	186	257	238	24	179	160	201	171	172
Other cotton manufactures.....	398	367	376	452	455	929	863	864	927	899
D. Jute manufactures.....						6,967	5,776	6,929	6,833	7,243
Jute yarn, cordage, and twine.....						5,519				
Bagging for covering cotton.....	1,194	1,024	902	835	1,042	2,364	4,196	3,740	3,581	3,486
Bags of jute.....	1,247	2,873	1,586	3,013	932	188	156	167	171	196
Other jute manufactures.....	20,188	49,681	32,551	25,011	29,099	1,587	3,451	3,055	2,794	2,921
E. Flax, hemp, and ramie manufactures.....						320	328	350	308	222
F. Other vegetable fiber manufactures.....						843	399	434	461	494
Cordage, except jute—						9,660	7,168	9,296	6,970	4,866
Blinder twine.....	94,403	45,197	54,247	36,500	19,286	7,603	5,139	7,107	4,712	2,253
Manilla cordage.....		4,936	5,034	5,100	4,630	932	816	1,138	1,107	940
Sisal or henequen cordage.....	10,657	2,649	1,238	1,135	749	107	344	159	150	83
Other cordage.....		816	790	463	492	216	128	169	98	80
Oakum.....	1,351	1,750	2,066	1,864	2,027	136	140	183	167	181
Other vegetable fiber, straw, or grass manufactures.....						669	595	480	736	1,333

<sup>1</sup> Average for years 1913-14.

<sup>17</sup> Stated in thousands of linear yards prior to Jan. 1, 1922.

<sup>18</sup> Data represent all cordage of vegetable fibers.

<sup>19</sup> Data for 1910-1914 are "Upland and other" and include linters.

<sup>20</sup> Data represent all twine of vegetable fibers other than blinder twine.

<sup>21</sup> Data represent "other manufactures" of all vegetable fibers, straw, and grass.

## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
3.—TEXTILES—Continued												
G. Hats of straw or fiber and materials.												
Hat braid of straw or other fiber.....1,000 yds.		15,606	7,383	7,084	6,928	9,254		1,517	1,341	1,091	384	788
Hat trimmings.....								170	121	82	65	111
Hats of straw, palm leaf, etc.....1,000 hats.		621	459	404	340	319		739	606	533	467	346
I. Wool and mohair, unmanufactured.....1,000 lbs.	93	535	309	273	963	393	31	603	614	476	352	276
J. Wool semimanufactures.												
Wool rags.....1,000 lbs.	7 24,979	10,988	16,817	8,380	10,291	14,293	581	1,137	1,556	941	1,094	1,175
Wool noils and waste.....do		765	1,044	618	769	796	7 967	713	1,200	681	807	987
Wool yarns.....do		164	99	56	33	35		143	151	127	153	121
K. Wool manufactures.								281	207	133	59	67
Fabrics wholly or chiefly of wool—							2,916	7,597	5,531	4,963	3,954	3,973
Wool cloth and dress goods.....{1,000 lbs.		828	492	425	335	349		1,914	1,080	895	648	695
.....{1,000 yds.		1,264	791	716	520	531						
Mohair cloth.....{1,000 lbs.		132	80	63	55	46		284	166	151	163	133
.....{1,000 yds.		247	179	120	99	111		149	85	87	61	70
Other wool fabrics.....1,000 lbs.		72	66	60	43	44		258	222	207	232	332
Carpets and rugs of wool.....sq. yds.		92,113	80,887	58,971	96,116	80,557		570	506	553	453	371
Wool felts.....1,000 lbs.		436	357	390	320	259						
Wool wearing apparel—												
Knit goods.....								375	451	544	725	739
Other, for men and boys.....1,000 pieces.					173	186	1,872	1,519	1,656	1,210	639	553
Other, for women and children.....do					47	49	1,044	951	699	573	385	373
Other wool or mohair manufactures.....								1,577	696	712	563	709
L. Hair and manufactures.												
Hair, unmanufactured.....1,000 lbs.		14,519	17,478	18,397	15,396	20,819	1,399	1,536	2,963	2,555	2,913	2,946
Cattle.....do		4,902	5,732	7,126	6,185	7,273						
Other.....do		9,296	11,280	10,588	8,281	12,459	1 1,267	347	582	875	671	715
Hair manufactures.....do		321	466	513	870	1,067	1 284	986	1,231	1,373	1,233	1,816
M. Silk manufactures.								203	419	307	314	315
Tram, organzine, hard twists, and spun silk.....pounds.		40,838	56,311	201,712	89,808	123,927	1,891	11,135	14,146	13,131	17,763	15,299
Sewing, embroidery, and crochet silk.....do		56,655	68,205	82,204	74,715	97,203		296	350	573	536	679
Fabrics wholly or chiefly of silk—								496	611	699	609	703
Broad silks.....1,000 yds.		1,837	2,359	2,533	3,201	2,289		2,659	2,711	3,152	3,870	2,763
Velvets, plushes, and chenilles, including ribbon.....pounds.		88,430	48,810	45,304	40,355	27,761		306	179	124	114	93



Silk ribbons, except velvet and plush 1,000 yds.										
Wearing apparel—	5,394	9,667	6,221	4,820	3,245	486	528	315	262	206
Underwear	57,034	62,848	109,649	83,226	71,389	116	158	237	169	144
Dresses, skirts, waists, and blouses	78,371	69,821	74,814	102,768	115,524	947	761	906	1,083	1,182
Hosiery	441	755	1,202	960	779	4,399	6,947	10,368	8,945	8,021
Other silk wearing apparel	85,814	89,608	90,706	78,176	50,071	609	730	677	807	384
Other silk manufactures	—	—	—	—	—	831	1,178	1,141	1,643	1,119
O. Artificial silk (rayon) manufactures	—	—	—	—	—	6,896	7,886	8,701	7,681	7,878
Yarn	—	—	148	400	401	—	—	290	521	754
Hosiery	1,113	845	1,561	1,262	1,172	4,906	3,732	6,177	4,709	3,952
Knit underwear	—	—	—	3,641	12,859	—	—	45	46	133
Other artificial silk manufactures	—	—	—	—	—	1,690	3,803	2,284	2,406	2,540
P. Miscellaneous textile products	—	—	—	—	—	1,696	17,967	22,399	22,558	22,548
Linoleum	909	732	650	787	1,093	16,701	454	412	561	717
Felt base and oilcloth floor coverings	5,507	3,678	4,189	2,808	3,480	582	1,316	1,554	1,072	1,325
Coated or waterproof fabrics—	—	—	—	—	—	—	—	—	—	—
Oilcloth, except for floors	8,871	7,321	10,222	9,261	10,599	2,292	1,814	2,546	2,287	2,305
Window shade and book cloth	1,579	1,739	2,445	3,023	2,752	427	417	558	644	523
Leather cloth, or artificial leather	3,847	3,999	5,520	4,981	5,268	2,688	2,727	3,533	3,091	2,955
Waterproofed auto cloth and rubberized fabrics	1,612	2,262	2,962	3,522	4,508	1,022	1,306	1,537	1,929	2,195
Waterproofed auto cloth	—	—	—	2,191	2,178	—	—	—	1,247	1,097
Rubberized piece goods and hospital sheeting	—	—	—	1,331	2,331	—	—	—	682	1,008
Waterproofed outer garments	—	—	276	217	358	647	714	708	513	729
Corsets, brassieres, and girdles	977	911	967	1,427	1,402	1,746	1,908	1,967	2,180	1,902
Hats and caps, except straw or other fiber—	—	—	—	—	—	—	—	—	—	—
Men's and boys' fur-felt hats	335	162	279	386	372	989	545	1,267	1,835	1,685
Women's and children's fur-felt hats	232	78	76	56	43	429	245	260	167	168
Wool-felt hats	1,750	166	169	110	184	1,213	350	286	184	224
Other hats and caps	—	1,192	1,328	1,087	1,066	—	1,105	1,228	977	866
Absorbent cotton, gauze, and surgical dressings	—	2,829	3,088	3,199	3,165	—	2,015	2,221	2,284	2,149
Garters and arm bands	481	494	607	721	606	702	695	815	923	980
Suspenders and braces	80,009	43,852	47,757	35,518	30,999	268	157	155	114	102
Other textile manufactures	—	—	—	—	—	1,728	2,224	3,357	3,547	3,772
GROUP 4.—WOOD AND PAPER	—	—	—	—	—	100,686	171,936	176,088	179,747	192,159
Total	—	—	—	—	—	—	—	—	—	—
A. Wood unmanufactured	—	—	—	—	—	5,080	8,473	9,945	11,079	12,585
Logs and hewn timber—	—	—	—	—	—	—	—	—	—	—
Hardwoods	14,061	20,147	24,427	12,388	19,302	9,170	1,444	1,561	769	1,340
Softwoods—	—	—	—	—	—	—	—	—	—	—
Southern pine	7,582	5,457	7,686	13,340	4,215	249	188	323	553	169
Douglas fir	26,690	8,515	8,095	28,296	32,514	487	172	161	475	528
Cedar	82,108	104,400	107,790	138,463	186,976	3,340	3,102	3,120	3,595	4,112
Other soft woods	6,111	5,570	13,535	50,558	80,690	122	122	242	695	1,184

1 Average for years 1913-14.

1 Average for years 1912-1914.

No. 604.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars						
	1910-1914	1922	1924	1925	1926	1927	1910-1914	1922	1924	1925	1926	1927	
A. WOOD AND PAPER—Continued													
A. Wood unmanufactured—Continued													
Railroad ties—thousands	15,270	2,904	2,516	3,105	2,761	3,550	12,591	1,116	2,551	2,975	3,508	2,560	
Bar wood—do	—	633	661	411	104	224	—	830	845	646	216	239	
Softwood—do	—	2,271	1,865	2,804	2,618	2,438	—	2,227	1,708	2,320	2,301	2,141	
(Resorted or otherwise preserved—do	—	—	—	—	949	839	—	—	—	—	1,091	1,191	
Piling—1,000 lin. ft.	—	1,471	2,114	1,627	4,472	4,085	—	606	627	444	987	1,226	
Telegraph, trolley, and electric light poles, number—	—	—	—	—	—	—	—	—	—	—	—	—	
Firewood and other unmill'—1,000 cu. ft.	—	55,818	72,047	54,908	62,455	44,871	—	364	246	315	812	214	
—	—	2,827	1,496	2,308	3,278	2,426	—	197	118	104	187	197	
B. Wood, semimanufactures—sawmill products													
Sawn timber—1,000 ft. b. m.	482,624	615,333	724,056	554,519	737,161	761,090	64,065	108,877	109,000	99,588	97,444	107,574	
Softwoods—	—	—	—	—	—	—	—	—	—	—	—	—	
Southern pine—do	—	170,838	174,758	154,467	121,680	178,306	—	7,206	6,783	6,354	4,867	7,905	
Douglas fir—do	—	377,752	485,120	340,742	555,338	544,837	—	11,108	12,631	7,309	11,499	11,325	
Cedar—do	—	35,808	31,432	35,581	27,955	5,257	—	1,943	1,067	1,438	1,025	187	
Other softwoods—do	482,624	23,691	20,773	20,212	27,416	26,556	10,837	773	988	584	783	622	
Hardwoods—do	—	7,244	5,973	3,517	1,980	1,004	—	406	360	250	138	69	
Crescoted or otherwise preserved—do	—	—	—	—	—	—	—	—	—	—	—	—	
Southern pine—do	—	—	—	—	1,209	3,743	—	—	—	—	94	229	
Other sawed timber—do	—	—	—	—	1,834	1,837	—	—	—	—	72	109	
Boards, planks, and scantling—do													
Softwoods—do	2,221,261	1,752,852	1,906,344	1,947,809	1,955,727	2,188,092	50,686	81,064	78,630	83,027	78,219	85,465	
Cypress—do	—	1,449,434	1,572,018	1,585,725	1,604,189	1,781,338	—	53,130	54,703	57,375	53,294	58,804	
Douglas fir—do	114,443	10,310	8,582	9,089	8,500	10,849	—	68,004	68,539	67,589	68,501	68,595	
Rough—do	—	517,974	623,525	607,908	694,486	685,907	—	16,514	15,790	13,926	15,278	15,879	
Dressed—do	—	494,236	590,162	587,424	651,478	627,791	—	14,308	14,813	13,213	14,042	12,764	
Southern pine—do	—	23,738	24,363	20,494	43,008	58,116	—	1,118	977	712	1,281	1,616	
Rough—do	—	652,410	670,521	701,046	581,584	710,649	—	28,471	26,736	31,548	25,779	30,312	
Dressed—do	—	487,664	573,903	610,841	491,454	614,781	—	21,287	22,538	27,787	21,874	26,335	
White, western, and sugar pine—do	—	104,746	96,618	90,203	90,110	96,768	—	7,234	3,903	3,811	3,905	3,985	
Cedar—do	—	44,323	40,027	34,673	32,086	23,783	—	2,801	2,082	2,111	1,991	1,941	
Redwood—do	—	—	—	—	—	19,004	—	—	—	—	—	—	
Spruce—do	—	64,324	34,371	46,235	47,845	65,890	—	4,390	2,419	3,257	2,047	3,702	
Hemlock—do	—	34,470	33,630	27,701	20,467	24,862	—	1,909	2,067	1,986	1,423	1,084	
Small softwood dimension stock—do	—	100,268	135,678	126,972	179,689	211,007	—	2,776	3,576	2,688	3,858	4,268	
Other softwoods—do	—	—	—	—	10,417	10,764	—	—	—	—	—	—	
Hardwoods—do	—	25,345	25,684	32,121	29,163	6,291	—	1,683	1,494	1,532	318	364	
Asb—do	—	303,418	333,526	362,084	352,538	407,355	—	22,917	23,927	25,782	24,905	27,061	
Chestnut—do	—	17,371	19,923	25,141	17,525	26,134	—	1,286	1,449	1,756	1,717	1,717	
Gum—do	—	9,600	6,861	7,098	7,879	9,150	—	700	440	470	431	521	
—	171,540	51,528	52,714	54,633	59,046	51,943	—	2,805	2,502	2,704	3,071	2,582	

Hickory.....do	2,653	3,884	4,419	3,644	4,207	11,184	239	397	429	311	577
Oak.....do	147,370	172,830	193,590	177,835	212,202	1,384	10,257	11,495	12,070	12,186	12,778
Poplar.....do	24,067	28,474	30,844	32,207	34,554	1,384	2,118	2,129	2,202	2,171	2,190
Walnut.....do	6,195	8,859	10,803	8,522	10,318	1,384	908	1,285	1,508	1,104	1,270
Mahogany.....do		15,842	19,002	17,933	17,043			2,329	2,604	2,697	2,555
Birch, beech, maple.....do				5,133	8,092					441	575
Wagon-oak planks.....do				1,406	7,585					94	501
Small dimension stock.....do	44,414	24,199	26,064	19,440	20,206		4,609	1,901	1,639	201	190
Other hardwoods.....do	5,265	7,310	5,262	4,620	4,455	4,383	278	678	340	1,115	1,306
Other sawed lumber.....do	40,108	28,524	20,090	49,848	20,240		370	108	126	230	146
Lath.....do				53,927	37,948	149	186	155	195	215	322
Shingles.....do	31,264	28,800	41,003	53,927	37,948	30,898	22,345	38,947	34,110	37,844	30,898
C. Wood manufactures.....											
Cooperage.....											
Staves.....do	64,187	69,005	81,025	67,567	81,425	8,569	9,282	9,797	10,520	10,520	11,226
Tight staves.....do	19,328	28,140	31,511	28,154	32,032	5,853	3,038	4,414	4,828	4,136	4,815
Black staves.....do	44,849	41,460	50,417	39,411	49,394		3,113	3,043	4,075	3,584	4,083
Heading.....1,000 sets	2,996	3,390	4,402	3,444	4,837	322	446	572	688	626	783
Tight heading.....do				1,100	1,900					454	1,041
Black heading.....do				2,254	2,858					171	766
Cooperage shooks.....											277
Tight.....do	1,384	1,072	1,056	1,240	1,221	1,957	3,094	3,039	3,707	4,084	3,505
Black.....do	442	707	579	892	1,305		236	476	535	561	525
Tight empty barrels, casks, hogheads.....do	296	334	304	353	399	1,546	686	796	802	846	976
Box shooks.....											
Southern pine.....1,000 bd. ft.	28,830	15,715	11,344	10,745	14,003		1,008	790	828	599	715
Hemlock.....do		12,990	42,509	72,377	49,144	1,186		447	1,337	2,085	1,406
Spruce.....do			1,691	2,693	5,716				67	85	309
Other.....do	63,243	74,782	40,121	94,820	28,184		2,500	2,826	1,807	1,687	1,280
Veneers.....1,000 sq. ft.	58,324	53,511	56,080	72,173	65,001		1,792	1,036	1,571	1,599	1,028
Plywood.....do			17,502	19,143	17,206		691		591	779	779
Hardwood flooring.....1,000 ft. b. m.	5,278	6,703	7,171	7,132	11,287		431	527	492	484	709
Doors.....do		680	1,371	1,825	2,122		1,067	1,326	2,700	3,261	3,790
Bech and blinds.....do		33,243	61,061	53,070	86,788	1,086		315	118	126	103
Trimings and moldings.....do		4,086	5,208	6,048	6,997	808	265	173	220	226	285
Cane and reed manufactures, n. e. s.							394	430	401	353	367
Furniture of wood.....											
Chairs.....do	297	201	181	194	196		750	605	631	669	694
Office furniture.....do							280	307	287	274	295
Store fixtures.....do						6,367	191	206	217	264	167
School and church furniture.....do							213	335	246	162	205
Other wood, willow, and wicker furniture.....do							1,308	1,354	1,406	1,591	1,745
Boat oars and paddles.....number	87,325	90,577	101,711	78,680	75,916		138	198	220	176	189
Handles.....											
For agricultural and long-handled tools.....1,000 doz.	461	356		1,300	909		408	478	559	454	973
For striking tools.....do	1,932	1,716		338	970		1,941	1,082	1,827	1,706	1,283
Pencil slate.....do					14,858						1,933
Woodenware.....1,000 lbs.						516	268	170	203	273	465
Other wood manufactures.....						7,034	30,051	8,758	10,083	10,326	7,747

**Average for years 1913-14,**

Average for years 1910 and 1912-1914.

Average for years 1912-1914.

No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and Article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>4 WOOD AND PAPER—Continued</b>												
<b>D Cork manufactures</b>												
Disks, washers, and washers		2,364	2,849	4,601	5,908	5,182	284	509	1,254	1,482	1,567	1,619
Crown bottle caps			3,464	4,371	3,792	3,812		137	754	873	801	804
Stoppers		845	143	153	194	370		173	65	74	84	143
Other cork manufactures		2,052	2,361	2,771	16,080	2,933		253	268	361	456	458
<b>E. Paper base stocks</b>												
Pulp wood		8	17	8	13	59	1,000	3,995	4,947	5,793	4,864	5,419
Wood pulp								73	157	67	114	655
Sulphite wood pulp		14,675	20,731	22,676	20,876	24,352		551	1,255	1,262	1,345	1,292
Soda wood pulp	11,144	2,993	1,930	2,455	1,601	2,027	483	287	1,282	1,233	1,133	1,177
Other wood pulp		2,928	5,989	8,794	8,078	2,266		157	603	856	606	91
Rags and other paper stock	50,103	111,277	121,221	176,921	193,020	217,798	1,445	1,928	2,049	3,273	3,705	3,394
<b>F. Paper and manufactures</b>							10,063	24,047	25,066	23,544	24,950	24,944
<b>Printing paper</b>												
Newsprint paper	118,765	32,715	34,317	45,476	38,516	24,657	3,611	1,687	1,773	2,025	1,949	1,191
Book paper, not coated		26,585	18,582	17,348	18,085	16,045		3,001	2,079	1,085	1,722	1,371
Covert paper		1,197	940	1,215	1,500	1,651		210	162	231	269	263
Grass proof and waterproof paper		1,541	1,567	2,116	2,419	2,613		220	185	282	354	361
Wrapping paper		26,747	25,089	28,736	32,015	32,312	1,556	2,176	2,041	2,173	2,284	2,266
Surface-coated paper		3,074	3,358	3,602	5,903	5,973		606	806	862	746	768
Tissue and crepe paper		3,376	2,980	3,742	4,400	4,801		847	795	938	1,080	1,092
Toilet paper		4,632	4,346	5,044	5,272	5,528		546	505	604	648	669
Paper towels and napkins		1,262	1,400	1,618	2,020	2,399		206	227	244	286	262
Box board				22,482	32,469	43,634					1,302	1,351
Bristles and bristol board		1,876	885	1,133	1,827	1,845		161	106	120	178	189
Other paper board and straw board		56,294	71,136	32,873	40,313	38,555		2,678	2,771	1,681	2,020	2,073
Sheathing and building paper		3,768	7,150	12,634	11,906	12,802		180	346	601	806	838
Wall board of paper or pulp		16,624	17,490	14,067	25,476	45,909	1,63	612	579	475	679	1,506
Blotting paper			2,451	2,920	3,176	3,667			206	266	403	411
Filing folders, index cards, and other office forms			450	646	906	1,036			100	219	267	323
Papereries (fancy writing paper)		418	424	441	706	706		166	164	191	313	186
Other writing paper		6,268	4,372	4,022	10,406	13,238	1,288	1,046	708	709	1,062	1,018
Paper hangings (wall paper)		22,945	28,216	22,754	23,142	29,360	401	576	609	560	572	608
Paper bags		8,741	10,414	12,881	11,534	11,247	1,429	680	959	1,124	1,024	971
Boxes and cartons		10,879	13,642	17,095	19,896	23,659	1,806	1,066	1,180	1,301	1,436	1,626
Envelopes		2,813	2,444	2,491	2,883	2,509		550	461	476	484	428
Vulcanized fiber sheets, strips, rods, and tubes		4,642	4,133	5,579	5,354	4,285		1,266	1,315	1,664	1,590	1,364
Manufactures of vulcanized and indurated fiber		972	508	413	461	524	560	279	204	182	155	149

Cash register and adding machine paper, do.	1,198	1,250	1,633	2,009	2,104	----- 4,221	131 4,938	137 4,794	169 4,266	205 4,555	213 4,902
Other paper and paper products.	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
<b>GROUP 5.—NONMETALLIC MINERALS</b>											
<b>Total.....</b>						908,313	580,484	606,284	632,665	811,552	654,483
<b>A. Coal and related fuels.....</b>	<b>18,136</b>	<b>19,444</b>	<b>19,231</b>	<b>35,972</b>	<b>19,771</b>	<b>55,723</b>	<b>166,014</b>	<b>115,965</b>	<b>107,036</b>	<b>903,884</b>	<b>106,687</b>
Coal—											
Anthracite.....	3,533	3,567	2,838	3,508	2,959	18,183	49,577	40,068	31,761	41,086	32,928
Bituminous.....	13,750	15,268	15,391	31,463	16,082	34,455	104,547	70,971	68,403	155,819	71,329
Coke.....	853	589	852	881	720	3,085	11,890	4,926	6,872	6,980	5,431
<b>B. Petroleum and products</b>											
Petroleum, crude.....	4,306	17,005	13,125	15,406	15,843	197,736	365,635	442,554	472,952	554,534	485,903
Refined oils.....	38,964	93,411	93,843	108,398	115,399	112,956	326,957	392,333	422,603	497,212	429,633
Gasoline, naphtha, and other light prod- ucts.....	3,508	28,246	30,638	42,480	43,335	16,735	137,681	167,347	197,492	263,200	209,839
Illuminating oil.....	25,131	21,818	21,075	22,016	19,352	64,098	76,554	88,619	84,669	100,353	79,303
Gas and fuel oil.....	5,769	34,292	32,509	34,516	42,963	6,853	35,708	49,353	49,040	45,354	49,802
Lubricating oil.....	4,556	9,019	9,565	9,256	9,606	25,270	76,080	86,201	90,597	86,415	88,843
Red and pale.....	4,437	5,002	5,454	5,475	5,964	-----	38,148	44,339	44,234	43,192	49,368
Black.....	1,123	1,133	970	609	672	-----	6,361	6,627	5,555	3,511	3,486
Cylinder.....	2,720	2,794	3,161	3,172	2,950	-----	31,551	35,235	40,708	39,712	35,989
Mineral spirits (substitute for turpen- tine).....	20	24	25	42	63	-----	358	345	309	396	550
Insulating or transformer oils.....	-----	-----	-----	78	68	-----	-----	-----	-----	1,086	836
Light lubricating oils in small packages .....	16	12	11	9	13	-----	596	463	466	409	490
Lubricating greases.....	75,299	95,150	98,169	96,083	100,483	(1) <sup>1</sup>	3,968	4,961	5,396	5,213	5,299
Paraffin wax.....	228,423	382,820	334,179	335,584	340,423	7,917	11,429	18,525	18,626	18,984	15,034
Unrefined.....	94,317	92,682	72,289	70,943	76,249	-----	2,769	4,109	3,904	3,658	2,745
Refined.....	235,476	290,138	261,890	264,636	264,174	-----	8,660	14,416	14,761	15,277	12,287
Petroleum asphalt.....	-----	-----	79,477	130,883	343,778	-----	-----	-----	1,762	3,184	8,326
Petroleum coke.....	-----	-----	-----	85,814	93,253	-----	-----	-----	-----	837	1,053
Residuum.....	1,677	66	95	160	217	1,202	159	220	291	608	584
<b>C. Stone, sand, cement and lime.</b>											
Marble in blocks, rough or dressed.....	50,466	47,532	53,849	66,298	65,880	6,363	5,473	4,391	5,116	5,563	4,740
Roofing slate.....	8,462	8,165	5,785	5,621	6,798	1,235	79	214	249	252	287
Other building or monumental stone .....	574	264	338	328	384	599	428	286	258	435	852
Other manufactures of stone.....	-----	-----	-----	-----	-----	1,125	1,055	575	837	1,024	1,006
Sand and gravel.....	492	280	380	379	376	191	599	402	496	610	558
Cement, hydraulic.....	1,002	879	1,020	974	817	4,186	2,944	2,615	3,003	2,996	2,797
Lime.....	118	149	148	130	155	168	170	212	219	192	211

<sup>1</sup> Average for years 1913-14.<sup>10</sup> "Other animal greases" include lubricating greases for 1910-1914.<sup>11</sup> Of 376 pounds.<sup>12</sup> Of 200 pounds.

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33

## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
5. NONMETALLIC MINERALS (Continued)												
D. Glass and glass products												
Plate and window glass—												
Window glass, common..... box, 50 sq. ft.		50,682	41,536	25,131	30,976	21,164		10,568	8,412	8,579	9,171	8,883
Plate glass unsilvered..... 1,000 sq. ft.	118	1,982	1,809	1,579	855	1,081	210	256	187	143	184	118
Other window and plate glass..... 1,000 lbs.		3,397	2,106	2,447	3,026	4,415	38	375	221	273	243	347
Glass containers (bottles, vials, and jars)							1,760	3,504	2,875	2,937	3,104	3,077
Table glassware, plain.....								2,278	1,765	1,754	1,662	1,440
Table and other glassware, cut or engraved.....								215	170	160	172	143
Lamp chimneys and lantern globes..... 1,000 lbs.		2,045	1,931	1,868	2,034	1,911		394	368	356	386	388
Globes and shades for lighting fixtures..... do.		1,639	1,369	1,658	1,778	1,669		468	401	495	598	611
Chemical glassware..... do.		247	238	227	227	213		176	191	197	206	194
Electrical glassware, except for lighting..... do.		2,666	2,391	2,664	4,881	2,240		184	242	270	486	237
Other glassware.....							2,942	1,874	1,491	1,587	1,858	1,893
E. Clays and clay products												
(Clays—												
Fire clay..... tons		44,692	37,236	39,319	42,622	42,947		7,935	7,568	7,658	8,012	3,406
Other clays..... do.		31,107	27,724	84,827	37,640	45,784	36	304	313	351	348	392
Pottery—							250	329	420	581	644	726
China and porcelain ware—												
Table, toilet, or kitchen ware..... 1,000 lbs.		712	448	448	476	504		188	157	129	140	161
Electrical porcelain—												
For less than 6,600 volts..... do.		11,133	9,287	6,247	5,273	4,514		1,784	1,767	950	755	604
For 6,600 volts and over..... do.				4,150	4,614	3,432				702	787	598
Other china and porcelain ware..... do.		413	287	459	584	674	133	146	102	127	128	178
Earthenware plumbing fixtures..... number		42,837	55,469	60,119	91,801	111,461		658	746	789	1,027	1,199
Other earthen, stone, and crockery ware..... 1,000 lbs.		37,727	28,281	33,363	27,931	38,456	1,453	933	754	759	695	862
Crucibles, clay and graphite..... 1,000 pieces		463	549	408	619	558		132	96	92	149	109
Bricks and tiles—												
Fire-clay bricks..... thousands		42,552	24,056	22,938	25,620	28,500		1,712	710	644	708	874
Other refractory bricks..... do.		5,577	12,732	14,068	14,008	13,465	1,911	472	1,127	1,315	1,379	1,388
Refractory shapes..... 1,000 lbs.		27,569	31,531	26,518	27,723	40,340		621	754	679	699	812
Building bricks and hollow tile..... thousands		9,718	8,991	8,073	6,529	5,781		282	222	194	177	161
Wall and floor tiles..... 1,000 lbs.		5,421	5,441	5,404	5,764	6,491	1,850	374	400	396	376	391
F. Precious stones, including pearls.....												
								79	147	40	64	87
G. Other nonmetallic minerals												
Abrasives.....												
Wheels of emery and corundum..... 1,000 lbs.		1,654	1,597	1,357	780	693	5,873	24,390	27,207	31,284	30,394	35,784
Grindstones..... do.		12,521	11,877	11,699	12,719	11,154	1,749	5,256	5,678	6,808	7,022	7,254
							1,148	499	481	554	630	578





No. 504.—EXPORTS OF MERCHANDISE (Domestic) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity										Value in thousands of dollars				
	1913	1914	1915	1916	1917	1918-1914	1919	1920	1921	1922	1923	1924	1925	1926	1927
<b>6 METALS AND MANUFACTURES—Continued</b>															
<b>B. Iron and steel manufactures—Continued</b>															
Iron and steel plates, sheets, skelp, and strip 1,000 lbs.	20,314		8,743		34,308		6,573		343		635		524		493
Boiler plate	229,321		224,232		277,902		6,471		3,042		7,157		5,931		6,893
Other plates, not fabricated	224,144		184,354		204,557		13,396		4,379		4,152		8,036		2,923
Skelp iron or steel	257,089	800,223	708,072		340,877	18,370	12,396		14,940		16,393		16,843		16,495
Iron or steel sheets, galvanized	311,594		213,709		341,052		1,855		1,239		2,034		1,673		1,893
Steel sheets, black	31,716		33,037		32,405		1,139		1,379		1,145		1,044		1,035
Iron sheets, black	23,660		27,426		23,867		2,373		2,044		2,369		2,079		2,085
Strip steel, cold rolled	69,989		64,376		70,812		14,792		18,430		25,765		18,857		20,832
Hoop, band, and scroll iron or steel	278,577		341,509		462,710		91,375		78,748		91,487		75,846		78,899
Tin plate, terplate, and tagger's tin															
<b>C. Steel mill products—Manufactures</b>															
Structural iron and steel—															
Structural shapes—															
Not fabricated	122,062	247,157	104,339	157,121	148,176	10,835	7,020		5,940		7,545		5,470		6,544
Fabricated	33,663		21,773	28,137	26,004		2,657		2,146		2,030		1,841		2,330
Ship and tank plates, punched or shaped															
1,000 lbs.	6,553		26,863	13,330	16,762		409		377		343		703		441
do	3,345		7,709	9,808	10,446		300		418		729		577		779
do	98,639		91,164	97,266	81,219		3,477		4,455		3,389		3,280		2,970
Metal lath															
Other structural shapes															
Railway track material—															
Rails	267,400	303,942	141,000	157,457	177,008	11,549	10,374		7,930		7,645		6,135		6,732
50 pounds and over per yard	239,264		137,843	176,657	192,863		9,098		7,357		7,370		5,846		6,474
Less than 50 pounds per yard	28,045		14,158	10,800	8,081		1,176		953		7,304		5,309		2,256
Rail joints, splice bars, fishplates and tie plates	50,945		42,808	62,046	47,842		1,085		1,397		1,676		1,349		1,493
Switches, frogs, and crossings	12,736		14,636	14,644	15,570		1,108		1,941		1,085		1,177		1,180
Railroad spikes	19,259		17,311	13,364	9,087		688		578		2,367		543		308
Railroad bolts, nuts, washers, and nut locks	5,738		4,779	4,893	3,551		397		370		265		288		309
Tubular products and fittings—															
Boiler tubes	37,000		31,046	61,337	32,535		2,397		1,792		2,354		1,704		1,741
Casing and oil line pipe	142,924		240,412	204,549	214,513		7,042		8,973		12,394		10,165		9,213
Welded black pipe	171,563		154,905	138,221	204,413		7,399		6,411		7,791		6,097		7,853
Welded galvanized pipe	64,245		83,771	90,811	102,997		2,362		3,843		4,015		2,535		3,064
Malleable iron screwed pipe fittings	17,355		22,145	27,702	23,544	13,395	2,400		2,055		2,434		2,535		2,093
Cast-iron screwed pipe fittings			15,072	23,000	10,245		2,400		1,248		1,999		1,438		1,528
Cast-iron pressure pipe and fittings			35,929	36,338	25,087		4,733		2,028		1,739		1,739		1,535
Cast-iron soil pipe and fittings	62,867		32,145	24,637	20,690				497		497		1,739		1,535
Wire and manufactures of—															
Plain iron or steel and galvanized wire—															
1,000 lbs.	36,567	249,797	38,198	38,375	32,721	5,239	2,408		1,701		1,699		1,709		1,681
Galvanized	120,243		41,590	31,794	46,603	4,366	4,007		1,631		1,109		1,481		1,399
Barbed wire	155,598	191,912	100,904	104,805	105,948		5,174		6,594		2,213		4,781		3,159

Woven-wire fencing.....do.....	9,057	7,642	8,308	9,310	11,423	1,355	564	445	503	507	606
Wire cloth and screening.....do.....	4,389	3,653	4,154	4,456	5,045	.....	851	695	744	746	827
Wire rope.....do.....	14,014	9,378	9,802	10,706	10,184	.....	1,675	1,220	1,258	1,443	1,342
Insulated iron or steel wire and cable.....do.....	3,248	2,191	1,437	1,633	1,103	.....	687	398	268	276	1,191
Other wire and manufactures.....do.....	32,641	25,144	18,763	20,121	21,413	1,647	2,587	2,156	1,991	1,983	1,894
Nails and bolts (except railroad)—											
Cut nails.....do.....	5,152	4,754	3,627	2,398	2,572	342	203	196	148	101	103
Wire nails.....do.....	102,998	45,529	22,087	26,304	22,380	2,230	4,103	1,984	884	885	763
Horseshoe nails.....do.....	2,494	2,295	2,059	2,364	2,416	.....	306	276	267	279	267
Tacks.....do.....	11,975	10,615	15,006	2,030	2,006	595	1,437	1,134	1,871	295	286
Other nails, including staples.....do.....	.....	.....	.....	10,980	11,890	.....	.....	.....	.....	960	999
Bolts, nuts, rivets, and washers, except railroad.....1,000 lbs.....	42,352	39,189	37,996	29,616	27,390	1,668	3,823	2,981	2,819	2,409	2,196
Castings and forgings—											
Iron castings.....do.....	22,508	18,951	23,322	19,799	26,263	2,887	1,561	1,447	1,420	1,276	1,353
Steel castings.....do.....	10,583	13,169	9,430	16,947	15,687	.....	1,126	1,409	1,122	1,829	1,808
Car wheels and axles.....do.....	45,452	50,016	44,655	37,860	37,323	408	1,891	1,946	1,784	1,487	1,273
Horseshoes.....do.....	2,129	2,153	1,587	1,478	1,289	197	149	122	116	102	91
Iron and steel forgings.....do.....	6,763	3,840	4,864	5,925	10,901	.....	689	428	556	533	827
D. Iron and steel, advanced manufactures											
Cutlery.....	.....	.....	.....	.....	.....	45,006	64,094	67,010	76,413	75,868	73,351
Razors, safety.....1,000 doz.....	118	890	432	335	570	.....	4,740	9,258	13,095	9,406	10,282
Safety-razor blades.....do.....	2,804	7,477	13,782	8,949	11,017	1,420	775	1,608	1,417	883	783
Scissors and shears.....dozens.....	124,508	56,838	62,043	37,553	27,154	.....	1,382	4,887	8,572	5,980	7,021
Table and kitchen cutlery.....1,000 doz.....	646	416	456	378	535	150	835	226	274	178	153
Other cutlery and parts.....	.....	.....	.....	.....	.....	.....	870	623	697	599	611
Hollow ware—											
Tin and galvanized hollow ware.....1,000 lbs.....	5,004	5,796	5,300	6,284	5,529	1,266	723	769	685	740	704
Tin cans, finished or unfinished.....do.....	6,755	6,960	9,391	8,991	8,046	.....	703	791	991	929	840
Enameled ware of iron or steel—											
Bathtubs.....number.....	21,207	15,992	19,638	18,718	17,522	1,232	625	469	583	635	596
Lavatories, sinks, and other plumbing fixtures.....number.....	51,704	49,955	52,424	52,279	55,643	1,516	580	606	633	602	651
Enameled household ware.....1,000 lbs.....	6,088	2,913	3,212	.....	1,986	1,885	1,213	623	626	602	402
Metal furniture and fixtures—											
Filing cases.....number.....	28,227	33,041	38,083	42,813	60,506	.....	821	1,180	1,538	1,706	2,157
Safes and cabinets, fire and burglar proof.....number.....	6,506	7,299	7,343	8,499	14,751	436	637	767	594	636	844
Bank and safety deposit vaults and equipment.....											
Other office furniture and fixtures.....											
Metal beds.....number.....	.....	.....	.....	.....	.....	685	332	483	149	225	452
Other metal furniture.....											
Stoves and furnaces, except electric—											
Cooking stoves and ranges.....number.....	12,113	9,465	20,467	13,137	14,382	.....	359	263	417	352	365
Heating stoves and warm-air furnaces.....do.....	3,775	5,688	6,383	9,204	8,400	.....	133	137	141	220	249
Gas stoves, ranges, and water heaters.....do.....	20,229	24,605	32,621	37,015	42,551	1,739	418	518	719	926	790
Oil and gasoline stoves.....do.....	181,110	143,951	102,337	220,762	98,257	.....	1,254	963	853	1,839	973
Parts of stoves and ranges.....1,000 lbs.....	3,000	3,028	4,346	5,862	3,867	.....	627	757	928	1,197	842
House-heating boilers, oil burners, and radiators.....						427	1,090	782	717	392	902

¹ Average for years 1913-14.

² Average for years 1910 and 1912-1914.

³ Average for years 1911-1914.

## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>6.—METALS AND MANUFACTURES—Continued</b>												
<b>D. Iron and steel—Continued.</b>												
Tools												
Axes	1 160	98	125	117	94	100	10,536	15,908	15,998	17,514	16,959	16,481
Wood-cutting saws					630	588	1 1,146	1,175	1,569	1,341	1,055	1,084
Metal-cutting and other saws		21,376			26,235	34,729	1,322	2,004	1,195	970	1,792	1,691
Augers and bits, woodworking					92,478	97,160		548	1,302	1,494	1,109	1,305
Files and rasps		2,031	2,051	2,271	2,151	2,375		2,645	421	402	316	2,290
Hammers and hatchets		64	59	67	63	72	1 372	397	2,531	2,912	2,674	2,804
Mechanics' tools, n. e. s.								4,444	349	419	363	370
Hand hoes and rakes	257	404	397	457	400	278	108	197	175	211	167	119
Shovels and spades		52	50	47	41	41	1 365	534	507	488	432	417
Vises and clamps			114	117	146	171			236	258	267	239
Other tools, n. e. s.							8,461	3,964	2,681	3,126	3,388	3,003
Hardware												
Padlocks				369	283	222	6,474	9,773	9,008	8,902	8,825	7,820
Door locks and lock sets				97	73	61		2,365	2,193	742	760	524
Cabinet and other locks				203	209	158				366	376	455
Hinges and butts					1,028	615		1,085	859	860	703	840
Other builders' hardware								2,145	1,754	1,685	1,834	567
Furniture hardware								435	314	383	409	1,555
Saddlery and harness hardware								360	365	354	295	401
Car and marine hardware								238	196	280	234	215
Other hardware							6,474	3,145	3,417	3,472	3,762	222
Needles, hand and machine		54,267	88,795	79,728	76,017	57,128		3,542	3,715	837	712	3,543
Chains—												687
Sprocket and other power transmission												
Other chains		3,204	3,816	3,193	4,597	6,159		782	755	738	1,085	1,226
Automatic scales		9,905	9,772	12,996	12,847	9,248		1,712	1,564	1,792	1,681	1,267
Other scales and balances		125,470	104,740	124,185	14,502	13,628	1,057	1,704	1,913	2,442	931	1,108
Wood screws		10,800	8,269	7,570	8,372	7,225		1,671	1,186	911	1,962	1,217
Other iron and steel manufactures							20,929	15,458	14,805	17,495	19,537	18,204
<b>E. Ferro-alloys</b>												
Ferromanganese and spiegeleisen		4,295	3,165	5,496	693	1,641	285	455	479	668	818	1,076
Ferrotungsten, tungsten metal, and wire								151	92	161	44	62
Other ferro-alloying ores and metals		5,376	4,578	13,238	29,380	20,143		123	115	144	156	165
		4,529	6,137	3,878	6,082	7,295	3 356	181	272	363	618	849

F. Nonferrous metals, except precious												
Aluminum												
Bauxite and other aluminum ores and concentrates	10,691	78,660	77,065	78,663	87,770	121,858	1,441	6,901	6,158	10,191	9,194	14,108
Ingots, scrap, and alloys	1,170	1,170	3,357	3,130	3,887	3,525	1,479	3,380	3,980	4,134	4,741	7,800
Plates, sheets, bars, strips, and rods	4,370	4,370	2,967	4,512	7,047	10,997		1,251	704	1,635	1,338	7,432
Tubes, moldings, castings, and other shapes	442	442	3,574	3,572	2,115	1,530		189	1,030	1,195	1,607	2,737
Table, kitchen, and hospital utensils								657	571	620	531	500
Other aluminum manufactures							1,068	1,167	871	866	1,115	1,704
Copper		694,780	1,112,215	1,080,751	965,685		131,179	128,221	106,646	151,165	141,204	180,204
Ores, concentrates, composition metal, and unrefined copper (copper content)		450	140	1,889	5,405	7,286	2,348	60	29	238	612	786
Refined copper in ingots, bars, or other forms	1,802,472	720,280	1,000,626	968,065	856,125	922,465	1,194,402	110,480	188,266	140,221	171,231	125,273
Old and scrap copper		3,645	5,194	12,105	16,428	45,418		479	558	1,556	2,178	5,128
Pipes and tubes		2,613	2,660	2,784	2,253	2,120		720	672	897	840	1,777
Plates and sheets		4,336	6,773	12,205	5,032	7,074	10,380	1,062	1,338	2,351	1,075	1,371
Rods		62,668	62,613	64,270	44,700	56,617		9,005	8,065	8,065	9,857	8,870
Wire		9,843	9,744	11,606	18,041	10,280	1,036	1,073	1,702	2,004	2,344	1,689
Insulated copper wire and cable		11,681	15,471	17,817	18,538	22,480	1,042	3,140	2,996	4,000	4,816	5,166
Other copper manufactures							2,352	1,204	1,186	1,025	1,350	1,049
Brass and bronze		12,173	58,688	92,878	50,285		7,069	8,821	12,202	13,555	13,674	17,516
Ingots, scrap, and old	27,704					91,904	2,841	1,190	5,362	9,699	4,944	8,834
Bars and rods		3,400	4,529	7,017	3,201	2,618		704	741	1,121	553	410
Plates and sheets	1,121					863	1,917		488	269	332	238
Pipes and tubes		2,561	2,068	2,828	2,557	2,438		601	488	726	922	788
Pipe fittings and valves		2,000	2,897	3,706	2,435	2,378		1,767	1,617	2,087	1,828	1,607
Hardware of brass or bronze								226	351	681	815	764
Plumbers' brass goods						719						
Wire of brass or bronze		1,447	864	1,182	1,267	1,106		480	289	400	282	394
Brass wood screws						623						
Other brass and bronze manufactures							7,545	3,745	3,584	3,428	3,641	3,728
Lead		104,849	171,587	220,774	167,965		1,007	6,268	11,838	17,604	12,710	12,762
In pigs, bars, etc.												
From domestic ore		96,416	164,531	204,706	142,481	242,968		6,189	9,967	15,508	9,412	12,424
From foreign ore		2,997	10,664	9,911	8,552	5,066		200	711	784	601	209
Other lead manufactures		92,419	144,867	195,794	133,929	287,917		4,899	9,156	14,814	9,811	12,116
		8,488	16,006	15,069	23,484	9,881	1,007	1,079	1,946	2,000	2,297	1,815

<sup>1</sup> Average for years 1913-1914.

<sup>2</sup> Average for years 1912-1914.

<sup>3</sup> Average for years 1911-1914.

<sup>4</sup> 1914 only. Included in electrical appliances for earlier years.

<sup>5</sup> Prior to 1925, data represent "scrap and old fit only for remanufacture."

<sup>6</sup> Prior to 1925, data represent "ingots, plates, sheets, bars, and rods."





## FOREIGN COMMERCE

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
7.—MACHINERY AND VEHICLES—Continued												
A. Electrical machinery and apparatus—Continued.												
Motors, starters, and controllers—Continued.												
Starting and controlling equipment—												
For industrial motors								1,752	1,429	1,159	1,395	1,152
For electric railway and vehicle motors									107	278	203	247
Portable electric tools					14,173	23,180					549	965
Accessories and parts for motors								1,659	1,998	2,040	2,181	2,410
Electric appliances—												
Electric fans	1 31,537	56,400	74,613	60,140	65,600	74,063	1 396	859	1,028	916	948	1,005
Electric lamps—												
Metal filament	1 1,106	5,264	5,158	7,259	8,883	9,843	1 307	1,131	1,070	1,250	1,603	1,538
Other electric lamps	1 1,414	508	660	696	1,172	2,427	1 331	296	365	244	281	440
Flashlights		656	942	1,650	2,165	2,718		494	776	1,342	2,058	2,474
Searchlights and projectors		15,068	12,664	13,090	17,487	19,970		366	381	562	574	874
Motor-driven household devices		33,903	34,826	41,779	75,239	94,538		866	888	1,205	1,744	2,312
Domestic heating and cooking devices												
Industrial electric furnaces and ovens		282	385	491	591	474		984	1,104	1,340	1,722	1,558
Therapeutic apparatus, X-ray machines, galvanic and faradic batteries, etc.		1,827	2,256	2,133	1,700	2,069		214	240	252	253	532
Signal and communication devices—								871	1,058	1,415	1,478	1,660
Radio apparatus—												
Transmitting sets and parts												
Receiving sets					69,482	75,839		3,448	6,081	9,904	556	401
Tubes					665	722					2,874	2,961
Receiving set components											868	1,004
Receiving set accessories											2,016	2,306
Telegraph apparatus											2,481	2,510
Telephone apparatus—							1 140	690	516	497	1,018	1,037
Telephone instruments		47,815	68,455	40,147	27,355	25,279					437	356
Telephone switchboards		1,111	1,180	768	906	1,042					2,219	727
Other telephone equipment											2,468	2,721
Railway signals, switches, and attachments											505	775
Bells, buzzers, annunciators, and alarms								734	964	803	296	819
Other electrical apparatus—								107	149	171		
Spark plugs, magnetos, and other ignition apparatus												
Insulating material		4,441	4,443	6,014	4,818	5,223		1,695	1,911	2,708	1,904	2,007
Metal conduit, outlet, and switch boxes								1,436	1,536	1,545	1,380	1,361
Sockets, receptacles, and lighting switches		5,778	6,549	8,763	10,762	10,875		478	574	796	1,164	1,088
Electric lighting fixtures, interior and street												
Other wiring supplies and line material		4,544	5,009	6,976	7,789	10,441		1,077	1,278	1,595	1,718	1,808
Other electrical apparatus, n. e. s.								1,891	765	1,314	1,860	1,902
								8,822	7,938	6,883	7,428	7,491



[illegible]

**! Average for years 1918-14.**

**# 1914 only.**

### Heating surface.

to "Not over 8 horsepower" and "over 8 horsepower" prior to 1925.

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>7.—MACHINERY AND VEHICLES—Continued.</b>												
<b>B. Industrial machinery—Continued.</b>												
Mining, oil-well, etc., machinery—Continued.												
Pumping equipment—												
Centrifugal pumps.....number	.....	1,575	1,758	2,285	2,669	3,717	.....	525	856	806	743	969
Steam pumps.....do	.....	4,371	5,646	6,646	6,328	6,211	.....	195	1,293	1,317	1,494	1,764
Other power pumps.....do	.....	18,800	16,265	19,245	20,245	28,128	.....	2,065	1,908	2,527	3,057	2,818
House water-pumping systems.....do	.....	.....	.....	.....	.....	4,458	3,600	.....	.....	.....	.....	40
Pitcher pumps.....do	.....	.....	.....	.....	7,152	4,200	.....	.....	789	911	20	11
Other hand and windmill pumps.....do	.....	84,647	51,476	87,808	89,083	99,555	.....	935	.....	.....	878	753
Pump cylinders.....do	.....	.....	.....	.....	3,806	6,066	.....	.....	.....	.....	28	59
Other parts of pumps.....do	.....	.....	.....	.....	.....	.....	.....	2,971	2,500	1,853	1,979	2,126
Power-driven metal-working machinery.....number	.....	.....	.....	.....	.....	716	≈ 11,573	9,903	11,294	17,800	14,316	20,291
Engine lathes.....do	.....	.....	805	1,542	.....	279	.....	1,094	1,198	2,584	326	1,568
Turret lathes.....do	.....	962	.....	.....	.....	444	.....	.....	.....	.....	759	1,846
Other lathes.....do	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	913
Vertical boring mills and chucking machines.....number	.....	.....	.....	.....	87	136	.....	.....	.....	.....	191	245
Thread-cutting and automatic screw machines.....number	.....	953	722	919	827	895	.....	824	890	1,198	727	968
Knee and column type milling machines.....number	.....	308	453	1,008	209	241	.....	456	645	1,681	554	473
Other milling machines.....do	.....	390	451	400	373	486	.....	286	391	816	305	1,061
Disk type gear-cutting machines.....do	.....	.....	.....	.....	12	46	.....	.....	.....	.....	26	87
Other gear-cutting machines.....do	.....	.....	.....	.....	187	355	.....	.....	.....	.....	418	818
Vertical drilling machines.....do	.....	.....	.....	.....	319	243	.....	.....	.....	.....	253	323
Radial drilling machines.....do	.....	.....	.....	.....	71	95	.....	.....	.....	.....	122	215
Sensitive drilling machines.....do	.....	.....	.....	.....	818	526	.....	.....	.....	.....	29	45
Other drilling machines.....do	.....	.....	.....	.....	1,094	862	.....	.....	.....	.....	290	240
Metal-sawing and cutting-off machines.....number	.....	.....	.....	.....	197	261	.....	.....	.....	.....	78	68
Shapers and slotters.....do	.....	.....	.....	.....	556	603	.....	.....	.....	.....	301	505
Planers.....do	.....	163	262	305	16	40	.....	287	319	564	12	97
External cylindrical grinding machines.....number	.....	.....	2,728	1,328	805	711	.....	.....	1,038	1,814	799	1,648
Internal grinding machines.....do	.....	.....	471	257	240	467	.....	1,009	307	645	478	1,100
Metal-working tool-sharpening machines.....number	.....	.....	.....	.....	880	679	.....	.....	.....	.....	229	288
Other metal-grinding machines.....number	.....	.....	1,177	1,426	746	1,421	.....	.....	428	617	364	708
Sheet-metal working machines.....1,000 lbs.	.....	.....	.....	.....	6,117	5,945	.....	.....	.....	.....	1,214	1,225
Plate-metal working machines.....do	.....	.....	.....	.....	420	1,068	.....	.....	.....	.....	85	165
Rod or wire-working machines.....do	.....	.....	.....	.....	375	802	.....	.....	.....	.....	198	198
Forging machinery.....do	.....	.....	.....	.....	5,906	4,940	.....	.....	.....	.....	1,069	1,109
Rolling-mill machinery.....do	.....	.....	.....	.....	5,080	7,677	.....	.....	.....	.....	1,402	1,448

	1,649	3,367	3,850	6,865	6,900		311	517	699	819	1,061
Foundry and molding equipment.....do.....											
Other power-driven metal-working machinery and parts.....1,000 lbs.....				7,815	7,526		6,123	5,821	7,247	3,238	3,426
Other metal-working machinery.....				274	247		3,113	3,294	4,238	4,560	4,989
Hand or foot operated and parts.....1,000 lbs.....				17,743						126	87
Pneumatic portable tools.....number.....	12,133	13,963	16,173				699	986	1,158	1,278	1,575
Other portable metal-working machines.....1,000 lbs.....				881	20,092					467	564
Chucks for machine tools.....number.....	80,061	28,686	28,589	17,615	15,640		308	323	383	280	220
Reamers, cutters, drills, taps, dies, and other metal-working tools.....1,000 lbs.....	2,529	1,451	3,304	2,824			2,111	1,975	2,747	2,439	2,542
Textile, sewing, and shoe machinery.....							21,274	20,739	23,492	21,938	23,863
Textile machinery.....							9,045	8,752	11,489	10,400	11,466
Circular hosiery knitting machines.....number.....				7,962	8,331					2,803	3,448
Other circular knitting machines.....do.....				1,279	1,946					634	840
Other knitting machines and parts.....1,000 lbs.....		3,746	4,885	900	1,306		2,299	3,516	4,707	1,025	1,206
Cotton spinning and twisting machines.....1,000 lbs.....				3,348	2,276		600	326	441	543	523
Cotton looms.....do.....				3,829	2,758		555	313	991	698	518
Other cotton machinery.....do.....		2,927	5,673	3,282	2,418		1,304	723	1,096	837	529
Wool carding and weaving machinery.....1,000 lbs.....	1,162	1,013	1,014	892	1,017		336	250	324	286	268
Silk machinery.....do.....	2,067	411	396	328	1,004		619	144	152	162	354
Other textile and textile finishing machinery.....1,000 lbs.....	9,701	8,201	9,588	9,489	12,023		3,332	3,480	3,778	3,413	3,780
Sewing machines.....number.....	274,237	238,266	262,536	257,430	236,985		9,211	8,406	8,743	8,863	8,964
For domestic use.....do.....	232,995	180,044	213,608	214,947	171,360		6,472	4,682	5,328	5,560	4,595
For factory or industrial use.....do.....	41,242	58,222	48,928	42,483	65,625		2,739	3,724	3,415	3,123	4,369
Sewing-machine parts.....1,000 lbs.....	1,913	1,704	1,349	1,506	1,511		1,694	2,108	1,890	1,492	1,715
Shoe machinery, except sewing.....do.....	1,528	1,874	1,754	1,943	2,379		1,324	1,473	1,370	1,353	1,718
Other industrial machinery.....							52,695	52,325	58,344	55,010	69,041
Bakery machinery and parts.....1,000 lbs.....	5,862	3,743	4,551	4,278	3,113		1,155	812	889	863	487
Flour-mill and gristmill.....do.....	883	924	726	1,098	816		222	224	219	247	626
Rice-mill machinery.....do.....											227
Sugar-mill machinery.....number.....	1,843	2,586	4,069	3,634	3,338		168	345	391	365	390
Cane mills.....1,000 lbs.....			56,767	24,497	39,575		5,855	7,960	7,879	3,677	5,438
Other sugar-mill machinery.....do.....	11,479	10,146	7,364	18,921	20,100		2,007	2,131	1,717	3,846	3,823
Paper and pulp mill machinery.....do.....	2,612	3,246	4,608	3,977	4,517		617	629	823	966	800
Sawmill machinery.....number.....											
Planers, snatchers, jointers, and molders,.....1,000 lbs.....	3,557	4,072	188	275	242		1,137	1,337	198	267	275
Other woodworking machinery.....do.....	1,723	2,310	2,189	3,162	4,085		407	562	1,425	1,200	1,485
Blowers and ventilating machinery.....do.....	3,262	3,601	4,669	3,509	3,281		415	905	578	836	847
Brewers' machinery.....do.....		5,299	4,779	4,253	4,498			749	968	946	1,022
Ice-making equipment.....do.....				4,233	4,173				832	747	761
Refrigerating equipment—Up to 10 tons refrigerating capacity.....do.....	13,716	4,456	3,870	10,288			2,265	913	1,206	3,620	5,900
Over 10 tons refrigerating capacity.....do.....		3,477	2,633	3,994	5,223			519	447	692	787
Oil-mill machinery.....do.....	1,033	1,014	3,549	4,428	6,236		189	210	631	894	983

<sup>1</sup> Average for years 1912-1914.

<sup>2</sup> Average for years 1911-1914.

<sup>3</sup> Includes all metal-working machinery.

## FOREIGN COMMERCE

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>7.—MACHINERY AND VEHICLES—Continued</b>												
<b>B. Industrial machinery—Continued.</b>												
Other industrial machinery—Continued.												
Cotton gins, and parts..... 1,000 lbs.		1,399	4,603	4,942	3,307	1,367	1,221	316	925	998	692	368
Ball and roller bearings, and parts..... do.		3,290	2,219	1,836	2,235	2,309		1,898	1,446	1,270	1,691	1,805
Air compressors—												
Capacity up to 25 cubic feet..... number.		5,821	5,888	4,797	7,899	12,669	1,683	2,628	2,959	644	1,098	1,354
Capacity over 25 cubic feet..... do.				2,780	2,744	3,920				3,243	3,567	4,519
Meat and other grinding and slicing machines..... do.						92,032						942
<b>Laundry machinery—</b>												
Domestic washing machines..... do.			6,418	10,090	14,726	19,579			347	600	954	1,344
Power laundry machines..... do.		7,635	4,668	2,880	2,274	1,980	1,063	1,007	975	999	1,210	1,456
Other laundry equipment..... 1,000 lbs.			2,929	3,014	3,427	4,526		256	681	788	1,008	1,102
Gas meters..... number.		31,600	20,242	21,234	23,769	22,663		513	285	242	278	332
Water meters..... do.			12,691	15,526	24,841	30,445			269	344	404	534
Other parts, n. e. s..... 1,000 lbs.				84,257	78,341	97,980	23,395	31,640	27,142	31,023	24,952	31,439
							15,094	21,796	26,495	33,860	36,311	44,094
<b>C. Office appliances</b>												
Accounting and calculating machines—												
Billing and bookkeeping machines..... number.					8,484	11,483					3,357	5,078
Nonlisting adding machines..... do.						1,271						110
Listing-adding machines..... do.					20,080	33,754					2,195	3,130
Calculating machines..... do.		17,465	24,983	38,257	11,383	11,237	1,174	3,365	5,965	8,226	1,780	1,767
Card punching, sorting, and tabulating machines..... do.											1,144	1,116
Other, including used and rebuilt..... do.					1,500	1,371					275	273
Addressing and duplicating machines..... do.		3,869	4,370	5,686	2,670	3,743		422	518	641	491	594
Cash registers..... do.		17,241	18,740	24,664	4,416	6,386		3,239	3,678	4,892	5,139	6,794
Parts of cash registers..... do.	39,565				27,644	35,498	3,775	339	386	448	522	622
Typewriters..... number.		240,237	269,546	319,324	328,852	378,108	10,310	13,821	15,111	18,021	18,199	20,856
Standard typewriters, new..... do.				205,407	202,122	216,338				14,010	13,734	14,934
Portable typewriters, new..... do.				85,602	98,456	123,953				3,087	3,582	4,700
Used and rebuilt typewriters..... do.				28,315	28,274	37,817				924	883	1,231
Typewriter parts..... do.								540	767	1,632	891	1,011
Other office appliances..... do.											2,429	2,743
<b>D. Printing machinery</b>												
Typesetting machines..... number.		1,392	1,187	1,237	1,279	1,312	3,344	8,498	10,110	9,900	14,276	15,246
Printing presses..... do.		4,087	2,591	2,208	2,518	2,972	1,851	3,890	3,530	3,447	3,740	4,504
Other printing machinery and accessories..... do.							2,604	4,603	4,825	4,798	6,232	6,251
<b>E. Agricultural machinery and implements</b>												
Cream separators..... number.	19,923	9,865	6,906	11,252	14,843	8,227	40,466	50,375	59,650	77,354	85,499	90,747
Other dairy machinery and parts..... number.							1,410	489	306	553	808	429
Incubators and brooders..... number.		12,652	9,363	14,708	21,599	28,956	1,180	274	221	1,269	1,325	1,342
										367	444	666



## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>7.—MACHINERY AND VEHICLES—Continued</b>												
7. Automobiles and other vehicles—Continued.												
Automobiles, parts, and accessories—Contd.												
Parts of, except tires—Continued												
Automobile parts for assembly.							4,082					
Automobile parts for replacement.												
Automobile accessories.												
Automobile service appliances, n. e. s.												
Automotive fire engines.												
Station and warehouse motor trucks.												
Trailers.												
Airplanes, seaplanes, and other aircraft.												
Engines for aircraft.												
Parts of aircraft, except tires.												
Cycles.												
Bicycles.												
Motor cycles.												
Parts and accessories, except tires.												
Motor boats.												
Marine engines, except Diesel.												
Detachable.												
Other.												
Railway cars.												
Passenger service—												
Electric railway.												
Steam railway.												
Freight cars.												
Mine cars.												
Air brake equipment.												
Parts, except axles and wheels.												
Wagons and drays.												
Wheelbarrows.												
Pushcarts and hand trucks.												
Wheels, except automobile and car-tuboseals.												
Other vehicles and parts.												
<b>GROUP 8.—CHEMICALS AND RELATED PRODUCTS</b>												
Total.							65,606	112,245	104,579	116,245	124,244	121,229
<b>A. Coal-tar products.</b>												
Crudes—												
Benzol.												
Crude coal tar and coal tar pitch.												
1,000 gals.	14,845	7,716		7,822	19,127	25,764	129	12,201	9,978	10,701	14,089	17,097
1,000 bbls.	514	289		100	226	678		2,046	1,740	1,745	5,512	5,085
								1,094	1,076	227	5,085	2,203

	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924
Other crude distillates..... 1,000 lbs.	9,087	14,555	20,499	25,268	14,201	222	454	641	663	498		
Intermediates..... do.	2,043	2,096	2,581	1,780	2,418	363	368	472	340	348		
Finished products—												
Colors, dyes, stains..... do.	17,925	18,713	26,800	25,812	26,771	5,805	5,635	6,094	5,950	5,405		
Medicinals..... do.	238	268	728	733	688	104	322	447	387	329		
Other finished products..... do.	4,716	4,321	3,417	1,745	4,124	875	886	423	337	865		
B. Medicinal and pharmaceutical preparations						4,801	17,441	19,799	19,677	20,109		
Quinine sulphate and other salts of cinchona												
Antiforins, serums, and vaccines..... 1,000 oz.	392	321	688	289	262	167	198	337	148	113		
Medicated plasters..... 1,000 lbs.		488	500	445	315	419	1,055	1,349	1,489	1,780		
Other medicinal and pharmaceutical preparations							617	646	585	423		
C. Industrial chemicals												
Acids and anhydrides—												
Sulphuric..... 1,000 lbs.	8,244	11,373	7,637	9,234	7,612	169	180	152	174	160		
Other acids and anhydrides..... do.	12,828	12,101	15,608	16,382	14,243	862	779	826	880	789		
Alcohols—												
Methanol, pure and denaturing grade "A"..... 1,000 gals.	1,207	641	406	417	311	718	697	321	313	288		
Other, pure and denaturing "A"..... do.	406	312	454	436	477	44	218	267	266	467		
Amines and compounds (except sulphate)												
Aluminum sulphate..... 1,000 lbs.	5,283	3,496	4,521	4,878	4,588	968	916	671	675	661		
Baking powder..... do.	35,611	32,024	41,512	44,062	42,267	506	408	505	521	461		
Calcium compounds—												
Acetate of lime..... do.	4,166	3,903	4,026	4,501	4,748	709	1,536	1,588	1,694	1,711		
Calcium carbide..... do.	21,951	23,167	22,056	18,589	11,694	1,581	73	665	626	609		
Chlorinated lime or bleaching powder..... do.	8,244	9,698	4,655	4,534	4,872	808	428	208	184	197		
Copper sulphate (blue vitriol)..... do.	28,828	21,002	27,890	20,858	16,687	826	380	472	388	311		
Dextrine or British gum..... do.	2,291	2,683	6,130	4,799	6,207	268	149	266	221	321		
Formaldehyde (formalin)..... do.	16,208	22,191	22,678	20,200	24,669	626	900	1,031	905	1,022		
Glycerin..... do.	3,837	2,898	2,799	2,867	2,286	430	322	201	226	207		
Petroleum jelly..... do.	1,767	1,416	1,867	1,768	1,683	319	238	262	192	144		
Disinfectants, insecticides, fungicides, and similar preparations and materials..... 1,000 lbs.	8,775	10,021	6,462	4,095	5,275	1,590	1,329	1,075	890	809		
Potassium compounds..... do.												
Sodium compounds..... do.	7,906	8,844	4,810	13,190	31,676	806	301	369	2,722	4,789		
Bichromate and chromate..... do.	400,200	315,831	355,346	245,038	201,946	9,980	8,606	8,268	8,427	9,685		
Cyanide..... do.												
Borax..... do.	6,006	4,210	1,592	1,888	1,299	474	490	374	351	503		
Soda ash..... do.	40,661	38,742	33,858	28,610	73,908	1,607	1,601	1,526	1,267	2,422		
Silicate (water glass)..... do.	29,024	28,083	32,380	39,833	40,802	780	683	775	968	977		
Sulphate..... do.	33,103	32,705	40,617	48,345	64,986	317	302	324	306	432		
Sulphate (water glass)..... do.	12,224	13,079	13,592	12,653	12,742	179	199	195	163	164		
Sulphate..... do.	114,984	92,116	100,665	103,265	100,890	2,827	2,803	2,996	2,112	2,994		
Sulphate..... do.	145,764	15,224	17,508	10,880	18,267	368	363	351	378	368		
Other sodium compounds..... do.		55,773	108,025	83,854	79,629	2,406	2,034	1,435	1,837	1,569		
Washing powder and fluid..... do.	8,262	4,420	4,516	4,980	5,493	305	260	274	269	317		

<sup>1</sup> Average for years 1913-14. <sup>2</sup> Average for years 1913-1914. <sup>3</sup> Data include all cars except steam railway.

<sup>4</sup> "Wood and denatured alcohol" prior to 1924. <sup>5</sup> "Other alcohol," quantity in proof gallons prior to 1924.



## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
8.—CHEMICALS AND RELATED PRODUCTS—(Contd.)												
C. Industrial chemicals—(Continued.)												
Blackings and polishes—												
Metal polishes.....1,000 lbs		2,265	3,398	2,808	2,285	2,402	135	282	401	343	338	361
Shoe polishes.....do		5,435	5,640	5,257	3,393	3,512		1,214	1,332	1,303	996	994
Other blackings and polishes.....do		2,620	2,407	2,608	3,500	3,380	671	446	454	522	528	642
Other industrial chemicals.....do							8,725	7,127	7,243	9,074	9,400	10,528
D. Pigments, paints, and varnishes.												
Mineral earth pigments, other, umber, sienna, oxides, whitening, etc.....1,000 lbs.		28,584	28,207	31,265	31,955	37,292		999	824	903	1,006	1,125
Chemical pigments—												
Zinc oxide.....do	29,608	10,047	7,854	21,710	29,323	28,989	1,104	744	606	1,504	1,917	1,822
Lithopone.....do		2,971	1,845	2,573	3,881	4,220		177	105	133	200	223
Bone black and lampblack.....do		32,039	36,401	3,805	3,529	3,016		4,905	3,509	250	242	189
Carbon black.....do				43,183	39,210	54,431	926			3,556	3,623	4,600
Red lead and litharge ".....do		3,681	1,880	1,604	1,550	2,858		373	211	184	175	271
White lead.....do	16,291	10,344	10,109	13,663	12,478	12,095	1,979	836	853	1,293	1,119	947
Other chemical pigments.....do		6,562	5,156	6,526	5,576	4,074		633	614	760	707	531
Paints, stains, and enamels—												
Enamel paints.....1,000 gals					432	479		582	483	882	1,147	1,213
Other ready-mixed paints.....do		1,838	2,016	2,237	2,208	2,634	1,154	3,737	4,030	4,658	4,590	5,378
Other paints.....1,000 lbs		11,503	8,383	11,438	9,973	9,908	2,828	1,934	1,485	2,363	2,120	1,999
Varnishes—												
Oil.....1,000 gals		558	652	712	631	482		1,005	1,123	1,279	1,128	870
Other (including lacquers).....do	1,111	408	284	395	476	802	1,000	627	484	746	912	1,740
E. Fertilizers and fertilizer materials..... tons												
Nitrogenous fertilizer materials—	1,289,319	1,099,688	1,068,325	1,142,354	1,102,783	1,971,043	10,735	20,795	16,509	17,296	20,040	17,794
Sulphate of ammonia.....do		153,677	118,367	123,141	181,125	138,692		11,118	9,919	9,749	9,824	9,837
Other nitrogenous materials.....do		13,291	4,699	6,802	9,639	8,951		615	283	368	566	493
Phosphate materials—												
Phosphate rock—												
High-grade hard rock.....do		194,339	150,746	158,985	103,572	128,774		2,478	1,814	2,283	1,196	889
Land pebble and other.....do	1,230,571	633,212	668,027	711,215	645,391	789,437	9,130	3,295	3,307	3,394	3,240	3,843
Superphosphates (acid phosphates).....do		42,099	45,751	65,779	64,452	107,507		534	589	989	937	1,615
Prepared fertilizer mixtures.....do		17,997	35,793	29,923	26,439	14,720		833	1,095	1,530	1,009	618
Other fertilizers.....do	58,748	45,073	44,942	46,509	72,164	82,962	1,605	1,922	1,902	1,985	3,268	3,441
F. Explosives, fuses, etc.												
Explosives—												
Smokeless powder.....1,000 lbs.	1,154	1,697	292	1,128	614	236		567	126	621	453	168
Other gunpowder.....do		404	576	446	672	484	328	187	163	147	163	179

Blasting powder.....do.....	1,450	2,485	2,670	1,694	2,957	-----	120	182	194	126	236
Dynamite.....do.....	16,963	15,160	16,966	16,221	12,110	1,419	2,483	2,201	2,444	2,331	1,808
Other explosives.....do.....	874	920	1,952	921	767	-----	179	203	384	277	136
Primers and fuses.....do.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Safety fuses.....1,000 lin. ft.....	-----	-----	-----	83,710	91,191	-----	445	444	510	515	504
Electric and other blasting caps.....1,000 caps.....	-----	-----	-----	66,617	33,989	-----	429	361	391	358	373
G. Soap and toilet preparations.....do.....	-----	-----	-----	-----	-----	5,563	16,185	14,965	16,119	16,806	16,868
Soap.....do.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Toilet and fancy.....1,000 lbs.....	7,370	5,376	6,761	8,975	8,187	1,867	3,022	2,401	2,805	3,088	2,802
Laundry.....do.....	{ 66,498	54,276	55,806	60,767	56,229	{ 2,457	4,701	3,814	4,009	4,120	3,878
Other.....do.....	{ 18,456	17,724	13,098	13,625	12,992	-----	1,583	1,518	1,222	1,245	1,183
Perfumery and toilet waters.....do.....	-----	-----	-----	-----	-----	-----	562	410	451	391	374
Talcum and other toilet powders.....1,000 lbs.....	3,814	3,229	3,469	3,289	3,254	-----	1,672	1,688	1,882	1,727	1,621
Creams, rouges, and other cosmetics.....do.....	2,149	2,267	2,535	2,889	2,957	-----	1,094	1,187	1,331	1,624	1,707
Dental creams.....do.....	-----	-----	-----	3,119	3,828	-----	-----	-----	-----	3,021	3,367
Other dentifrices.....do.....	2,983	3,078	3,406	491	697	-----	2,439	2,793	3,211	3,359	3,383
Other toilet preparations.....do.....	1,849	1,586	1,745	1,760	2,001	1,209	1,112	1,174	1,208	1,261	1,548
GROUP 9.—MISCELLANEOUS	-----	-----	-----	-----	-----	59,005	114,935	131,666	138,901	134,116	136,394
Total.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
A. Photographic goods.....do.....	-----	-----	-----	-----	-----	7,964	15,810	17,365	18,489	18,603	18,696
Cameras.....thousands.....	175	260	312	437	474	7,679	832	1,380	1,223	1,621	2,461
Parts of cameras, except lenses.....do.....	-----	-----	-----	-----	-----	-----	382	496	384	702	892
Motion-picture films.....do.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sensitized, not exposed.....1,000 lin. ft.....	{ 54,831	59,482	74,605	41,437	49,512	{ 5,797	1,156	1,261	1,589	1,083	1,354
Exposed.....do.....	{ 146,926	178,447	235,586	220,628	232,106	-----	6,414	7,502	8,681	7,731	7,231
Negatives.....do.....	8,269	8,100	9,930	6,601	9,449	-----	996	1,420	1,893	1,335	1,456
Positives.....do.....	138,657	170,347	225,656	214,027	222,656	-----	5,418	6,082	6,788	6,396	5,776
Other sensitized films, not exposed.....thousands.....	20,395	19,659	21,911	23,457	20,940	2,065	3,445	3,294	3,631	4,371	3,500
Dry plates.....1,000 doz.....	608	668	722	1,000	664	-----	452	437	380	526	470
Photographic paper.....1,000 lbs.....	1,452	1,586	1,803	1,830	1,914	-----	1,399	1,570	1,479	1,471	1,576
Other photographic apparatus and supplies.....do.....	-----	-----	-----	-----	-----	7,797	1,280	1,445	1,122	1,149	1,314
(Including unsensitized picture films).....do.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
B. Scientific and professional instruments, apparatus, and supplies.....do.....	-----	-----	-----	-----	-----	4,645	8,913	9,361	10,639	12,110	12,300
Projection apparatus.....do.....	-----	-----	-----	-----	-----	-----	250	356	346	521	641
Motion-picture machines.....number.....	1,184	995	1,507	1,943	3,042	-----	222	203	286	295	473
Stereopticons, magic lanterns, and other projection apparatus.....do.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Optical goods.....do.....	-----	-----	-----	-----	-----	-----	215	518	925	893	924
Spectacles, eyeglasses, and parts of.....thousands.....	2,444	3,299	3,027	4,959	4,302	1,798	470	775	603	742	694
Lenses, not fitted to instruments.....do.....	-----	-----	-----	-----	-----	-----	772	1,573	1,577	1,715	1,404
Other optical goods.....do.....	-----	-----	-----	-----	-----	2,473	132	122	1,264	1,429	1,508
Dental instruments and supplies.....thousands.....	3,604	20,261	23,848	31,568	32,306	-----	391	1,000	1,150	1,352	1,475
Teeth.....do.....	-----	-----	-----	-----	-----	-----	1,507	1,204	1,728	612	628
Dental office equipment.....do.....	-----	-----	-----	-----	-----	1,215	294	319	343	518	534
Surgical and medical instruments.....do.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\* Litharge is not included prior to Jan. 1, 1927.

† Average for years 1912-1914.

‡ Average for years 1913-14.

## No. 504.—EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1914-1914	1914	1915	1916	1917	1918-1914	1918	1919	1920	1921	1922	1923
<b>A. Miscellaneous</b> —Continued												
<b>B. Scientific and professional instruments—Contd.</b>												
Surgical appliances, artificial limbs, crutches, trusses, etc.						1,121	2,097	428	370	239		
Surveying and engineers' instruments.							243	320	442	439		
Other scientific, laboratory, and professional instruments and apparatus.						1,215	2,419	2,049	2,215	2,129		
<b>C. Musical instruments</b>												
Pianos						6,196	11,779	12,304	15,976	17,679		
Player pianos												
Other pianos						1,583	2,344	4,470	2,155	4,029		
Player-piano actions and parts of						469	1,810	1,246	1,126	1,744		
Other piano actions and parts of							205	500	445	514		
Perforated music rolls						1,163	161	226	174	187		
Organs						1,163	300	378	212	159		
Phonographs						637	157	276	231	267		
Phonograph records						2,641	2,543	2,371	2,361	2,378		
Band instruments							1,371	1,721	2,223	2,105		
String instruments							343	408	636	692		
Other musical instruments, parts, and accessories							185	313	448	229		
<b>D. Miscellaneous office supplies</b>												
Pencils and pens						608	1,443	1,582	2,047	2,267		
Refillable pencils and pencil leads						2,506	7,141	9,186	8,860	8,641		
Other pencils												
Metallic pens except gold						997	341	726	319	711		
Fountain pens						326	1,020	1,461	1,326	1,197		
Writing ink							156	176	217	194		
Printer's and lithographic ink							198	1,200	1,340	1,423		
Other ink							300	303	339	359		
Paste and mullage							1,274	1,300	1,439	1,504		
Carbon paper							201	153	219	269		
Typewriter ribbons							341	309	373	357		
Paper clips and binders, penholders, ink-stands, and office supplies							691	626	643	648		
<b>E. Toys, athletic and sporting goods</b>												
Toys						1,81	1,007	1,243	1,309	1,451		
Dolls and parts of						1,809	2,909	4,611	4,798	4,971		
Toy wheel goods and parts of							289	197	191	195		

Mechanical toys.....							144		136		120	124	170
Rubber toys, balls, and balloons.....									981		1,289	846	985
Other toys.....							993		1,603		1,636	1,684	1,499
Athletic and sporting goods—													
Fishing rods, reels, hooks, bait, and tackle.....									268		330	304	328
Golf, tennis, foot, basket, and baseballs.....									148		162	227	207
Other athletic and sporting goods, except shoes, clothing, and firearms.....									947		1,063	1,126	940
Amusement-park and playground devices.....									315		287	318	431
F. Firearms and ammunition.....													
Firearms and ordnance—													
Revolvers and pistols..... number.....													
Rifles..... do.....													
Shotguns..... do.....													
Machine and heavy ordnance guns and carriages..... number.....													
Ammunition—													
Shot shells..... 1,000 lbs.....													
Metallc cartridges "..... do.....													
Explosive shells and projectiles..... do.....													
Other, including fireworks..... do.....													
G. Books, maps, pictures, and other printed matter.....													
Book and pamphlets.....													
Maps and charts.....													
Music in books and sheets.....													
Souvenir post cards.....													
Lithographically printed matter, except post cards and maps.....													
Playing cards..... 1,000 packs.....													
Other printed matter.....													
H. Clocks and watches.....													
Clocks—													
One-day alarm clocks..... thousands.....													
Mantel and novelty clocks..... do.....													
Wall clocks..... do.....													
Other clocks and parts.....													
Watches.....													
Without jewels..... thousands.....													
With jewels..... do.....													
Parts of watches..... do.....													
Time-recording devices and parts of.....													
I. Art works—Painting and statuary.....													

1 Average for years 1913-14.  
2 Average for years 1912-1914.  
3 "Other pencils and pencil leads" prior to 1925.  
4 "Cartridges, loaded," prior to 1924.  
5 "Refillable pencils" prior to 1925.

No. 504. EXPORTS OF MERCHANDISE (DOMESTIC) BY COMMODITY GROUPS AND ARTICLES—Continued.

518

FOREIGN COMMERCE

Group and article	Quantity					Value in thousands of dollars							
	1910-1916	1923	1924	1925	1926	1927	1910-1916	1923	1924	1925	1926	1927	
J. Miscellaneous, n. e. c.													38,598
Roofing preparations, liquid or plastic 1,000 lbs													411
Asphalt roofing													366
Asphalt roofing													1,212
Asbestos roofing													1,509
Other roofing													284
Billiard tables and accessories													351
Buttons													
Pearl or shell													
Other buttons													141
Lamps and illuminating devices, except electric													405
Incandescent mantles													
Lamps and lanterns													180
Other lighting devices, except lamps													2,445
Matches													449
Fire extinguishers													103
Fly paper, traps, and swatters													95
Pyroxylin products, known as celluloid, pyralin, viscoloid, fiberloid, etc													343
Sheets, rods, tubes													148
Manufactures													
Brushes													
Toilet brushes													1,303
Paint brushes													1,175
Other brushes													
Plates and cuts, electrolytic, stereotypic, half-tone, lithographic, or engraved													
Umbrellas or parasols													706
Candles													198
Notions													320
Refrigerators													482
Box-fountain equipment													185
Shoe findings													263
Hoels and counters, except rubber													1,913
Other													1,697
Trunks													351
Household and personal effects													123
All other articles													1,243
													538
													13,945
													8,921

1 Average for years 1913-14.

## No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES

[NOTE.—Data are for calendar years except averages for 1910-1914, which are for years ended June 30. A greater number of items are shown separately beginning about 1912, and for this reason many averages for two and three years are shown in the table. However, averages shown for group totals always cover five years. In some cases the detail does not add to the total because of the different periods covered by the data.]

Group and article	Quantity						Value in thousands of dollars				
	1910-1914	1922	1924	1926	1928	1927	1910-1914	1923	1924	1925	1927
<b>Total imports of merchandise</b>											
<b>GROUP UP—ANIMALS AND ANIMAL PRODUCTS, EXCISE</b>											
<b>Total</b>							42,871	55,941	59,791	102,517	126,106
<b>A. Animals, edible</b>											
Cattle, head	297	140	144	175	445	108,001	7,560	4,974	5,237	9,111	21,104
Sheep, head	88,408	28,924	30,324	67,054	28,595	35,082	7,219	4,323	4,716	5,173	16,450
Poultry, live		1,349	1,779	2,073	1,650	7,402	371	274	184	498	225
Hogs					35,884	14,524		276	337	440	289
do						2,404					4,041
<b>B. Meats</b>											
Beef, fresh		40,918	41,921	43,918	74,545	108,001	8,097	6,894	6,495	8,993	18,070
Veal, fresh		19,355	13,237	12,100	16,212	35,082		2,251	1,294	1,203	4,339
Pork, fresh		1,101	4,587	3,710	3,893	7,402		508	508	502	1,098
Mutton, fresh		5,215	6,033	7,295	9,154	14,524		212	949	1,390	2,897
Lamb, fresh		1,854	1,040	2,119	2,446	4,404		778	87	27	38
Other meats		1,854	1,140	2,119	2,446	4,404	5,007	366	161	283	398
Poultry, dressed		2,193	1,903	2,774	1,789	3,212		366	201	179	613
Poultry, prepared			470	366	6,027	3,628		792	435	358	1,012
Canned meats		11,170	9,261	10,805	22,784	35,082		1,295	309	236	361
Other prepared meats			3,407	2,723	10,805	23,108			939	1,189	4,311
									654	764	4,014
<b>C. Dairy products</b>											
Cream	1,441	7,558	4,197	5,172	5,874	4,843	10,347	34,445	33,480	30,110	34,994
Milk			5,193	7,422	7,412	4,008	1,198	5,021	6,141	7,592	7,005
Milk, condensed and evaporated—									6,528	1,242	1,779
Unsweetened											
Sweetened											
Milk powder		10,308	1,733	3,958	1,320	2,117			199	67	179
Cream powder, malted milk, etc.			4,714	3,413	3,413	5,828	285	1,429	691	472	41
Butter		23,741	1,870	2,343	5,224	6,906			340	631	397
Cheese	2,480	64,420	19,405	7,212	3,029	8,460	568	8,807	15	211	190
	49,220		59,170	62,403	78,417	79,794	5,788	20,888	7,047	2,646	2,872
									17,299	17,349	24,500

## No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
D. Fish												
1,000 lbs.—												
Fish, fresh, frozen, or packed in ice	309,908	370,664	396,800	376,118	394,136	381,481	15,483	39,673	39,961	39,113	34,346	33,499
Salmon	.....	7,662	8,608	6,540	5,444	5,061	.....	394	371	750	646	670
Fresh-water fish and eels	.....	34,578	42,200	41,241	48,680	53,046	.....	2,786	3,412	3,641	4,086	5,049
Cod, haddock, hake, and pollock	.....	4,979	5,904	1,245	984	728	.....	38	50	62	45	35
Halibut	.....	4,343	5,030	3,740	5,719	4,014	.....	634	653	465	747	479
Mackerel	.....	6,215	6,596	4,609	2,833	2,154	.....	306	485	302	169	182
Herring, frozen	.....	.....	1,317	2,336	1,428	2,121	.....	.....	67	117	68	103
Smelts	.....	.....	6,784	6,669	9,090	6,716	.....	.....	982	878	1,136	931
Tuna fish	.....	.....	5,033	10,444	9,869	32,486	.....	.....	230	491	526	1,040
Herring, fresh sea	.....	.....	.....	.....	46,364	16,960	.....	.....	.....	.....	429	1,211
Other fresh fish, n s p f	53,280	59,298	35,167	26,079	8,370	10,867	2,366	3,138	1,465	561	1,104	1,211
Fish, cured or preserved—												
Salmon, cured	.....	1,659	2,679	2,022	4,497	2,441	.....	283	391	422	839	376
Cod, dried	30,286	35,097	30,933	29,758	26,806	22,878	1,576	2,274	2,548	2,711	2,704	2,253
Herring	79,853	37,694	51,734	41,470	36,205	43,074	2,984	1,875	3,128	2,767	2,196	2,732
Mackerel	29,850	7,840	10,524	12,782	10,761	12,028	1,578	624	914	1,075	646	709
Fish, skinned or boned, and fish roe	.....	2,741	3,308	2,806	5,556	5,895	.....	571	698	581	1,206	1,207
Caviar and other fish roe	.....	.....	.....	.....	708	739	.....	.....	.....	.....	608	683
Fish, skinned or boned	.....	.....	.....	.....	4,708	5,156	.....	.....	.....	.....	568	593
Packed in oil, etc—												
Sardines	.....	14,742	27,066	19,207	26,216	26,761	2,606	2,581	4,490	3,451	4,590	5,255
All other	.....	6,866	8,946	7,013	9,182	8,695	.....	1,269	1,696	1,390	1,706	1,889
Other cured or preserved	.....	2,154	2,259	1,776	.....	.....	.....	145	174	137	.....	.....
Other fish, dried, n s p f	.....	6,214	4,632	6,616	.....	.....	.....	646	533	554	.....	.....
Hake and pollock and other dried	.....	.....	.....	.....	.....	.....	2,102	.....	.....	.....	920	709
Other fish, pickled, salted, smoked, etc	.....	24,014	26,488	23,468	23,512	25,680	.....	2,433	2,531	2,212	2,229	2,589
Shellfish—												
Lobsters, other than canned	.....	6,360	5,312	6,981	6,837	6,309	1,808	1,368	1,273	1,540	1,536	1,600
Lobsters, canned	3,602	2,147	1,422	1,451	1,792	1,780	.....	1,471	912	864	1,136	1,019
Other shellfish, crabs, shrimps, and turtles	.....	5,498	7,123	6,121	7,562	8,362	697	853	1,032	960	1,120	1,272
Crab meat	.....	4,543	4,716	9,188	8,306	8,984	7,450	2,290	1,452	3,112	3,770	3,764
E. Animal oils and fats, edible	.....	11,574	5,537	8,708	16,006	16,930	766	879	536	300	1,491	1,806
F. Other edible animal products	.....	.....	.....	.....	.....	.....	3,118	21,117	19,391	26,361	34,633	32,316
Eggs—												
Eggs of poultry in shell	2,149	412	393	609	246	240	366	118	116	163	104	75



GROUP 6.—ANIMALS AND ANIMAL PRODUCTS, INDIBLE													
Total													
A. Hides and skins, raw (except furs)..... 1,000 lbs.													
Cattle hides <sup>1</sup> ..... do.													
Dry or dry salted (over 12 lbs.)..... {1,000 pieces													
Wet salted (over 25 lbs.)..... {1,000 pieces													
Buffalo hides <sup>1</sup> ..... {1,000 lbs.													
Dry or dry salted..... {1,000 lbs.													
Wet salted..... {1,000 pieces													
Kip and calf skins..... do.													
Kip skins—													
Dry and dry salted (6 to 12/1,000 pieces													
Wet salted (12 to 25 lbs.)..... {1,000 pieces													
Calveskins—													
Dry and dry salted (less than 6 lbs.)..... {1,000 lbs.													
Wet salted (less than 12 lbs.)..... {1,000 lbs.													
Horse, colt, and ass hides..... do.													
Dry and dry salted..... {1,000 pieces													
Wet salted..... {1,000 pieces													
Sheep and lamb skins..... do.													
Wetted, dry and green..... {1,000 lbs.													
Skata, no wool..... {1,000 pieces													

<sup>1</sup> "Cod, haddock, hake, and pollock" prior to Sept., 22, 1922.<sup>2</sup> Average for years 1913-14.<sup>3</sup> Cattle hides include buffalo hides in 1910-1914.

## No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars						
	1910-1914	1923	1934	1935	1936	1937	1910-1914	1923	1934	1935	1936	1937
<b>U.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—</b>												
<b>(Continued)</b>												
<b>A. Hides and skins, raw—Continued</b>												
<b>Sheep and lamb skins—Continued.</b>												
Pickled skins		1,494 3,731	489 1,330	120 353	546 1,111	14,405 34,427		900	328	114	451	9,309
Goat and kid skins		85,854 44,112	52,234 28,808	31,648 44,809	87,005 49,013	81,303 44,047	24,575	37,780	23,529	33,197	39,054	35,498
Dry and dry salted		66,252 5,643	43,436 2,881	72,339 2,002	73,078 4,659	67,205 4,365		32,845	13,444	31,108	35,643	32,068
Green or pickled		19,002 1,347	8,798 649	9,309 617	14,027 747	14,037 876		4,885	2,085	2,094	2,441	5,430
Kangaroo and wallaby		1,494	699	758	901	876	1,809	1,409	586	361	861	665
Deer and elk					1,089	913					267	305
Other hides and skins		7,087	6,702	7,306	2,760	2,468	2,115	1,756	1,490	2,049	1,883	2,841
<b>B. Leather</b>												
<b>Upper leather—</b>												
Cattle												
Calf and kip		8,419	14,161	13,392	30,210	32,098		265	143	301	177	1,335
Sheep and lamb, upper and lining		2,362	5,337	4,186	3,008	2,580		2,851	3,996	4,620	6,861	9,967
Goat and kid, including glazed		580	773	8,134	6,734	6,785	900	231	531	634	813	518
Lining leather, calf and kip only					13,658	22,978		279	308	1,476	3,321	3,524
Patent		1,809	2,727	4,866	4,945	7,278		503	865	1,883	2,074	2,575
Other upper leather		6,414	12,609	19,275	3,707	1,759		2,015	2,808	3,608	1,007	2,803
Sole leather		5,371	4,785	6,556	7,774	10,257	2,102	2,231	1,749	2,203	1,137	1,706
Glove leather		465	326	498	272	204	2,126	192	86	165	108	3,435
Seal, sheep, and calf leather (other than shoe), dressed and finished					2,580	2,808					1,147	949
Leather cut into shoe parts		6,896	6,390	9,083	10,455	13,450		622	423	545	675	467
Rough tanned leather		1,289	531	991	997	1,195		3,440	3,037	4,044	5,976	6,415
Harness leather								542	337	377	379	473
Other leather								3,511	2,792	2,286	2,274	2,205
<b>C. Leather manufactures</b>												
Boots and shoes (all leather)		399	587	815	1,070	1,477	9,944	11,517	19,176	12,638	17,907	21,607
Slippers (all leather)		654	561	190	377	400	4,299	1,245	1,995	2,426	2,351	5,309
Other footwear		309	1,484	908	908	1,006		290	302	181	321	407
Gloves		7,055	7,398	4,323	9,906	10,476		6,888	4,544	7,511	8,919	10,579
Women's and children's		6,979	7,279	3,202	9,708	10,332		6,772	6,389	7,353	8,768	10,367
Men's		79	119	120	106	144		111	155	159	154	209

[illegible]

**Average for years 1911-1914.**

• "Coney and rabbit," includes "hare" prior to 1925.

**Average for years 1913-14.**

## No. 505. IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

Commodity group and article	Quantity										Value in thousands of dollars				
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927	1928	1929	1930
<b>D.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—</b>															
<b>E.—Other inedible animals and animal products</b>															
Conch, shell															
Feathers, of do, not advanced—															
Ostrich feathers		204	180	96	80	73	0,225	1,151	680	376	342	204			
All other		5,338	3,674	3,335	3,434	2,009		2,405	2,216	1,854	1,970	1,615			
Feathers, artificial or ornamental, suitable for millinery							2,576	236	249	167	65	60			
Feathers, advanced, not suitable for millinery, and manufactures							1,460	228	258	195	165	202			
Glue stock, of de cuttings, etc		32,337	27,983	29,757	45,835	43,872	1,774	1,304	1,033	1,401	1,767	1,845			
Great n, ined ble—		2,022	1,870	1,675	2,088	2,067	632	933	1,174	1,001	1,196	1,180			
Glue and glue size		7,228	7,945	6,241	6,597	9,194	956	648	617	475	525	731			
Case n or lactare		26,490	17,780	18,804	25,281	24,210	1,677	4,410	1,385	1,575	2,852	3,120			
Ice n, tanks in natura) state		479	342	360	355	245	1,499	1,397	1,294	1,373	1,285	829			
Shells, unmanufactured															
Mother-of-pearl		6,199	7,375	5,464	7,050	6,517	1,339	1,651	1,857	1,708	2,041	1,702			
All other		1,921	1,830	1,378	1,512	4,023	589	371	313	221	168	255			
Sponges		1,553	1,503	1,228	1,195	908	423	1,029	806	1,093	1,067	1,102			
Beeswax and other animal wax		3,571	3,086	3,557	4,022	5,041	322	599	718	1,170	1,604	1,635			
Bladders, intestines, etc															
Other inedible animal products							613	2,226	2,429	3,013	1,430	1,284			
<b>GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES</b>															
<b>Total</b>															
<b>A. Grains and preparations</b>															
Buckwheat															
Corn		203	18,510	10,100	4,273	2,016	15,094	24,061	26,477	26,257	23,089	23,845			
Oats		317	4,107	1,086	1,055	5,458	2,908	229	345	206	75	52			
Rice—															
Uncleaned		9,874	4,614	21,000	22,651	10,676	2,949	236	244	1,207	942	340			
Cleaned (except paddy)		41,659	34,532	53,080	95,447	63,400		1,376	1,349	2,803	4,328	2,015			
Paddy rice for use in canned foods															
Flour, r eat, etc		766	3,338	2,047	2,196	1,627	2,314	51	121	105	245	69			
Wheat		19,502	15,534	13,901	14,142	11,764	1,032	19,220	15,800	19,849	19,691	15,344			
Wheat flour		52,534	12,734	2,233	1,593	1,009	556	2,396	320	72	75	45			
Raisins, walnuts, osakes, etc		962	1,337	1,263	1,544	2,208	1,415	258	322	379	515	632			
Macaroni, vermicelli, etc															
Bread, yeast-leavened		3,476	4,535	5,409	5,225	3,613	5,026	250	236	454	306	302			
All other			2,045	2,228	2,266	2,261	2,227	784	345	287	270	297			



## No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

Group and Article	Quantity					Value in thousands of dollars				
	1910-1914	1913	1914	1915	1916	1917	1918-1919	1920	1921	1922
<b>I.—VEGETABLE FOOD PRODUCTS AND BEVERAGES</b>										
<b>(continued)</b>										
<b>D Fruits and nuts—Continued</b>										
<b>Fruits—Continued</b>										
Apples.....	133	850	86	86	55	153	177	206	251	323
Berries.....	3,626	23,473	5,255	5,943	5,794	4,899	512	408	399	409
Cherries, natural state.....	---	41,733	6,663	2,943	3,191	14,395	202	568	---	1,722
Cherries, prepared or preserved.....	---	32,433	9,514	12,356	19,593	2,963	1,082	300	2,121	370
Grapes.....	1,464	9,846	108	120	105	88	1,789	338	550	300
Currents.....	32,550	23,473	13,965	14,192	13,816	11,903	1,355	1,023	1,082	947
Dates.....	29,157	41,733	63,607	78,706	49,280	36,400	603	2,735	945	1,749
Figs.....	19,142	32,433	42,465	46,572	42,652	31,018	981	2,479	3,673	1,967
Raisins and other dried grapes.....	3,582	9,846	7,594	7,698	5,115	2,537	278	696	733	1,967
Citron or citron peel.....	---	---	3,892	3,071	4,564	3,893	---	696	741	1,967
Ginger root, prepared or preserved.....	---	---	815	770	1,289	959	---	120	126	330
Jellies, jams, marmalades, and fruit butter.....	---	---	---	---	---	---	---	427	489	465
Other fruits, natural, prepared, or preserved.....	---	---	2,550	3,212	3,533	4,049	---	1,102	1,569	122
Other fruits, natural, prepared, or preserved.....	---	---	48,116	30,049	32,686	26,331	2,221	1,102	1,569	594
<b>Nuts</b>										
Chestnuts, including marrons.....	---	25,199	27,338	26,710	26,808	11,731	13,681	29,305	26,045	30,637
Coconuts, in the shell.....	---	67,949	57,271	60,916	55,537	61,315	1,773	1,671	1,971	644
Almonds.....	---	---	---	---	---	---	---	---	---	1,653
Shelled.....	17,204	25,893	22,204	15,144	20,099	17,676	3,465	4,865	5,342	6,470
Not shelled.....	---	2,635	3,250	4,152	801	479	---	316	586	55
Brazil and cream.....	20,022	32,455	53,183	31,664	45,489	24,426	979	2,771	2,323	2,625
Coconut meat desiccated or prepared.....	---	---	---	---	---	---	---	---	---	---
Product of the Philippine Islands.....	---	8,610	16,068	24,509	26,804	33,094	---	1,508	2,383	2,041
Other.....	17,411	36,916	31,234	22,599	21,096	26,371	4,569	2,322	1,859	2,187
Pilberts.....	---	---	---	---	---	---	---	---	---	---
Shelled.....	11,963	6,814	5,924	4,197	7,135	6,630	983	1,096	1,218	1,082
Not shelled.....	---	15,584	9,121	10,276	10,876	9,006	---	944	1,269	1,184
Walnuts.....	---	---	---	---	---	---	---	---	---	---
Shelled.....	33,637	18,246	19,196	23,756	22,676	19,674	3,984	4,858	5,636	6,454
Not shelled.....	---	18,309	24,101	28,006	25,649	12,186	---	2,100	3,335	1,489
Peanuts.....	---	---	---	---	---	---	---	---	---	---
Shelled.....	25,460	48,384	55,975	73,134	42,560	58,805	1,051	2,468	3,663	1,651
Not shelled.....	---	3,938	4,952	10,457	3,990	4,490	---	308	506	1,179
Pecans.....	---	---	2,715	1,032	1,046	255	---	298	106	49
Pignolia.....	---	---	525	768	990	629	---	108	189	268
Platache.....	---	---	1,548	845	765	1,519	---	650	940	552
Other edible nuts, n e s.....	---	---	1,906	2,481	2,016	4,647	1,155	253	496	1,041

E. Vegetable oils and fats, edible.....1,000 lbs.	40,008	77,008	77,966	90,491	78,593	76,213	7,376	12,316	12,896	16,674	13,926	17,635
	4,033	418	1,779	64	86	187	1,034	98	310	18	23	58
	36,575	77,190	76,187	90,427	78,506	75,026	6,342	12,218	12,585	15,657	13,901	17,577
(1)live oil, edible.....do.....												
In packages weighing less than 40 pounds												
Other.....do.....			46,265	51,509	50,686	43,099			7,524	8,721	8,884	10,159
			20,922	38,918	27,820	31,926			6,061	6,936	5,017	7,418
F. Cocoa, coffee, and tea												
Cocoa or cacao beans.....1,000 lbs.	141,800	414,237	378,282	382,019	426,287	424,987	134,956	254,341	306,904	357,101	396,393	350,758
Cocoa, prepared.....do.....	2,940	2,582	{ 2,484	3,182	3,903	3,428	16,009	23,807	29,425	38,246	42,749	50,816
Chocolate, prepared.....do.....			{ 1,264	1,907	2,926	2,634	690	589	358	497	585	539
Coffee.....do.....	899,339	1,409,755	1,420,870	1,283,695	1,493,316	1,433,340	101,455	190,232	248,828	286,235	322,746	264,275
Extracts of, and substitutes for coffee.....do.....	2,916	976					69	31				
Tea.....do.....	95,126	105,138	92,773	100,962	95,980	89,169	16,732	29,683	27,224	31,454	31,349	28,192
G. Spices												
Paprika.....do.....	58,330	102,637	99,568	103,339	85,939	111,204	7,856	13,669	16,368	19,811	16,393	20,088
Celery seed.....do.....				4,143	4,217	5,568				671	764	1,249
Cinnamon and clips of, unground.....do.....			637	839	1,187	678			155	223	205	110
Cumin seed.....do.....			1,773	1,197	1,021	1,227			308	399	413	563
Caraway seed.....do.....			1,645	1,476	1,703	1,063			272	170	45	95
Cardamom seed.....do.....			5,352	4,829	4,478	4,107			636	328	300	327
Capicum or red or cayenne pepper—			119	181	186	222			127	238	221	197
Unground.....do.....												
Ground.....do.....		7,433	5,676	2,194	1,299	1,976		765	709	278	161	347
Cassia and cassia vera.....do.....		2,982	4,015	454	7	29		427	708	79	1	7
Cloves, unground.....do.....	4,807	10,601	7,586	8,334	7,786	12,009	4,485	640	488	602	568	939
Ginger root, unground, not prepared.....do.....		7,786	5,345	6,998	6,524	5,673		1,424	1,211	1,486	1,282	924
Mustard—		5,692	5,063	4,265	4,952	3,119	4,313	655	684	610	365	226
Unground.....do.....		13,871	13,450	14,062	14,755	24,325		682	746	787	995	1,242
Ground or prepared.....do.....		1,508	1,439	1,612	1,742	1,583		891	765	900	994	1,850
Nutmegs, unground.....do.....		4,104	3,682	4,358	3,703	4,573		558	922	1,332	1,034	1,128
Mace, unground.....do.....			740	642	703	876			348	474	417	590
Pepper, unground—												
Black.....do.....		24,985	24,381	30,814	16,658	25,982	2,121	1,676	1,843	3,349	3,376	6,082
White.....do.....	23,018	{ 5,049	5,052	7,214	2,703	5,137		506	618	1,421	748	2,000
Pimento (allspice), unground.....do.....			2,452	4,114	3,087	1,926			100	260	377	279
Pimentos, whole.....do.....			4,246	483	3,883	6,516			491	52	465	766
Vanilla beans.....do.....	945	941	809	946	1,152	993	2,020	2,630	4,405	5,807	2,828	1,935
Other spices.....do.....	26,782	18,686	6,096	4,176	4,538	3,602	2,638	2,784	684	355	799	282
H. Sugar and related products												
Beet sugar.....1,000 lbs.	43,438		4,139				103,414	386,193	373,817	366,407	344,533	270,875
Cane sugar.....do.....	4,341,058	7,709,336	8,271,607	8,919,532	9,420,078	8,431,414	1,015		143		4	5
Product of Philippine Islands and							103,517	380,090	363,514	246,008	232,530	258,158
Virgin Islands.....do.....												
Other.....do.....	232,340	479,274	682,778	1,006,641	773,162	1,072,715	5,837	29,799	39,715	43,012	30,201	48,223
Molasses.....1,000 gals	4,108,717	7,230,062	7,588,829	7,912,891	8,646,916	7,358,699	97,689	350,301	323,799	202,996	202,329	204,985
	33,859	183,532	173,355	266,929	269,726	244,903	1,352	4,097	9,099	18,984	10,472	10,612

\* Average for years 1912-1914



No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

[illegible]

C. Drugs, herbs, leaves, roots, etc.										
Chicle.....	do.	8,577	8,327	7,919	12,143	12,331	12,167	3,374	4,124	3,971
Balsam, crude.....	do.		368	301	500	325	413		196	204
Gums and resins, n + s.....	do.									
Arabic.....	do.		9,308	7,307	7,200	10,208	8,085		1,240	763
Tragacanth.....	do.		1,203	831	966	1,113	1,434		640	428
All other.....	do.		8,843	7,506	17,230	20,688	14,877	1,086	979	1,435
D. Drugs, herbs, leaves, roots, etc.								4,106	3,797	7,908
Cinchona bark or other from which quinine may be extracted.....	1,000 lbs.	3,444	2,817	2,896	2,917	3,908	1,085	319	779	906
Pyrethrum or insecticide flowers.....	do.		2,974	3,945	6,435	9,353	8,993		1,398	1,287
Licorice root.....	do.	100,636	64,836	65,164	77,637	62,015	60,106	1,718	2,300	1,852
Licorice extract.....	do.		1,304	1,619	1,680	1,169	724		275	266
Opium, crude, 8 1/2 per cent or more morphine.....	1,000 lbs.	489	112	64	97	144	145	2,129	443	600
Senna.....	do.		3,442	3,005	2,964	3,605	2,655		305	221
All other.....	do.		25,884	20,169	19,908	22,865	22,829		2,108	2,746
E. Oils, seeds.								13,186	66,598	49,718
Cottonseed.....	1,000 lbs.		68,842	66,053	65,832	66,961	11,033		946	1,399
Castor beans.....	do.		86,539	84,977	107,252	100,908	123,846	597	3,041	3,760
Copra.....	do.		332,974	291,064	364,076	457,599	450,905	1,807	13,477	12,857
Flaxseed.....	1,000 bu.		24,232	16,869	16,810	22,650	21,831	12,824	49,967	30,653
Poppy seed.....	1,000 lbs.		6,549	5,464	2,535	5,161	5,080		688	468
Perilla and sesame seed.....	do.					2,693	2,948			
Other oil seeds.....	do.		25,481	28,659	23,016	17,980	17,119		1,502	1,177
F. Vegetable oils.								53,489	57,906	56,900
Expressed oils and fats.										
Chinese wood oil or nut oil.....	1,000 lbs.							19,143	82,371	40,778
Coconut oil.....	do.		87,292	81,888	101,864	83,004	69,630	2,952	13,397	11,032
Product of Philippine Islands.....	do.							1,929	18,009	17,285
All other.....	do.							4,073	106	13
Olive oil, inedible.....	do.									
Sulphured or foots.....	do.							839	3,394	2,183
Other.....	do.							426		907
Palm oil.....	do.		40,806	24,675	40,828	40,300	42,307			
Palm-kernel oil.....	do.		128,495	101,780	139,179	130,747	150,911	3,999	9,389	7,002
Sesame oil.....	do.			4,748	82,094	74,080	42,115	+ 2,343		
Vegetable tallow.....	do.					8,802	1,704			
Vegetable wax.....	do.		6,558	5,197	6,424	3,779	5,688		589	505
Peanut oil.....	do.		9,789	7,865	6,507	8,284	10,180	967	1,362	1,268
Rape (colza) oil.....	do.		8,008	15,395	3,027	9,281	2,547	(11)	780	1,326
Linseed oil.....	1,000 gals.		2,124	2,315	1,698	2,768	2,847	627	1,423	1,580
Soya-bean oil.....	1,000 lbs.		42,037	13,247	13,607	15,041	946	+ 230	4,214	1,067
Other expressed oils.....	do.		41,673	9,125	19,483	30,712	14,915	+ 1,015	2,880	624
Essential and distilled oils.								2,736	2,078	1,736
Cassia and cinnamon.....	1,000 lbs.							3,335	5,566	5,626
Geranium.....	do.			168	208	332	376			
G. Average for years 1913-14.										
H. Average for years 1911-1914.										
I. Average for years 1913-14.										
J. Average for years 1913-14.										
K. Average for years 1911-1914.										
L. Average for years 1913-14.										
M. Average for years 1913-14.										
N. Average for years 1911-1914.										
O. Average for years 1913-14.										
P. Average for years 1913-14.										
Q. Average for years 1913-14.										
R. Average for years 1913-14.										
S. Average for years 1913-14.										
T. Average for years 1913-14.										
U. Average for years 1913-14.										
V. Average for years 1913-14.										
W. Average for years 1913-14.										
X. Average for years 1913-14.										
Y. Average for years 1913-14.										
Z. Average for years 1913-14.										

"Peanut oil" is included with "Chinese wood oil or nut oil."

"Crude rubber" in 1910.

Average for years 1911-1914.

Average for years 1913-14.

Average for years 1913-14.

Average for years 1913-14.

## No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity					Value in thousands of dollars						
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
J.—VEGETABLE PRODUCTS INCLUSIVE (continued)												
K. Vegetable oils—continued												
Essential oils, distilled oils, and continued												
Sassafras		100	48	57	34	30		274	272	283	304	297
Bergamot		1,017	73	116	76	104		652	233	403	418	629
Lemon and lemon grass		243	985	1,322	1,320	1,446		449	701	1,059	745	812
Lavender and spike lavender		416	226	183	198	323		288	764	598	509	927
Lemon	394		439	438	508	400	537	443	283	447	974	723
Orange		222	203	228	209	204		443	492	499	506	495
Sassafras			56	22	5	4		103	263	103	13	16
All other essential and distilled oils			3,320	3,019	3,432	3,496	2,818	3,489	1,828	2,134	2,043	1,798
L. Dyeing and tanning materials—continued												
Logwood	134,757	36,431	14,928	22,768	24,926	34,211	8,175	9,395	4,083	8,190	7,890	10,108
Madder roots		27,165	10,041	10,830	13,774	27,376	11,425	860	253	403	510	578
Quebracho wood	78,345	24,236	24,588	22,739	32,068	60,925	1,043	595	227	422	486	978
Sassafras	115,736	6,974	4,919	2,856	8,671	4,873	11,273	393	335	397	510	1,099
Valonia		16,450	16,681	19,735	19,433	10,435		415	474	346	304	267
Gamboge of terra japonica		6,322	4,681	3,681	4,016	3,039	924	334	244	344	332	245
Other trade	19,408	89,014	55,841	59,947	66,661	76,543	737	443	483	536	366	276
Extracts for dyeing, coloring, etc		4,715	3,036	3,817	2,378	1,276		1,543	946	1,322	1,309	1,550
Quebracho	86,204	135,497	92,544	113,177	102,162	112,002	2,594	4,608	2,584	3,946	2,745	4,990
All other	8,264	6,037	7,106	4,046	2,928	1,792	227	171	193	144	97	82
M. Seeds, except oil seeds												
Faba seeds							6,109	11,719	11,191	11,674	11,848	9,183
Alfalfa		10,696	8,348	2,305	4,826	3,493		1,254	1,181	464	838	697
Clover		28,608	42,904	36,161	40,212	21,548	3,199	3,446	5,541	5,750	5,631	4,028
Rye		5,476	19,921	11,463	18,157	7,285		891	2,954	2,832	2,832	1,577
Alfalfa		8,216	8,624	11,757	5,555	6,161		981	1,069	1,955	1,129	1,839
Crimson		7,145	5,182	5,876	4,078	1,246		695	209	316	252	163
Other		7,771	4,237	7,046	12,422	6,856		1,029	1,219	948	1,083	744
Crimson		9,143	7,416	10,640	4,176	4,217		1,104	792	989	276	297
Crimson		9,852	8,252	3,497	8,662	7,641	1,587	611	360	333	1,116	905
Other seeds		15,666	11,062	12,472	10,790	13,379	1,872	1,537	1,081	1,397	1,181	1,367
Crimson							2,167	2,341	1,66	671	2	
Crimson		733	197	319	311	282		102	69	150	109	150
Crimson		10,916	12,429	11,903	14,595	14,347		376	586	691	827	607

Turnip.....	do	995	1,594	1,737	2,287	1,329	134	191	204	256	146
All other.....	do	3,989	5,671	6,129	6,343	4,944	913	1,113	1,376	1,651	1,497
<b>H. Nursery and greenhouse stock</b>											
Bulbs, roots, and corms—											
Hyacinth.....	thousands	33,297	27,436	25,820	24,186	22,243					
Lily, tulip, and narcissus.....	do	208,010	226,471	240,666	210,139	216,609	1,191	1,278	1,649	1,663	1,678
Crocus and other.....	do	21,297	21,408	24,263	20,632	21,970	4,876	5,493	7,236	5,107	4,970
Trees, plants, cuttings, and seedlings—							218	277	391	262	267
Fruit stock.....	do	17,196	19,670	17,554	13,286	12,255	204	159	137	9	92
Rose stocks and plants.....	do	11,369	9,609	13,579	13,133	13,027	199	115	182	193	195
All other.....							118	140	169	178	214
<b>I. Tobacco and manufactures</b>											
Unmanufactured.....	1,000 lbs.	55,790	68,589	77,691	67,906	102,755	66,849	83,881	81,348	69,489	83,987
Product of Philippine Islands.....	do	27	1,281	1,166	908	1,611	57,157	75,862	71,464	60,570	74,617
Leaf, for cigar wrappers.....	do	6,312	5,894	6,435	6,551	5,784	244	169	187	197	253
Cigar leaf (filler)—							18,134	15,100	15,077	14,747	12,438
Unstemmed.....	do		11,216	8,571	8,012	8,148					
Stemmed.....	do	48,355	11,415	12,725	14,659	15,395	11,544	11,315	8,067	7,266	6,460
Cigarette leaf.....	do		36,965	47,025	36,159	69,820	12,609	14,911	14,244	15,350	13,719
Scrap.....	do	6 1,369	1,868	1,769	1,616	1,997	13,773	33,134	33,281	22,519	41,207
Manufactures of tobacco—							853	733	608	491	540
Cigars and cheroots—											
Product of Philippine Islands.....	do	12 1,044	3,188	3,226	3,021	2,645	5,543	4,692	5,188	5,047	4,142
Other cigars and cheroots.....	do	12 707	410	517	424	413	3,716	3,383	4,381	3,309	3,742
Cigarettes, product of Philippine Is-											
lands.....	1,000 lbs.	(11)	1	2	38	37	13	2	4	43	52
All other manufactures.....	do		324	255	375	408	418	442	416	520	435
<b>J. Miscellaneous vegetable products</b>											
Agar-agar.....	1,000 lbs.						5,003	4,006	5,465	4,787	4,336
Hops.....	do	5,725	406	592	451	366				297	230
Starch.....	do	13,374	13,160	12,778	568	554	274	206	336	378	315
Vegetable ivory (tagua nuts).....	do	25,467	31,579	38,069	23,181	30,260	421	488	535	807	1,175
Moss, seaweed, etc., crude.....	do		9,714	9,914	25,862	28,654	1,012	1,231	2,176	1,277	1,794
Broomcorn.....	do	12,894		147	10,074	8,681	561	477	564	441	325
All other.....	tons	2,217			610	17	261		21	85	2
							2,734	1,604	1,832	1,503	1,494
<b>GROUP 3.—TEXTILES</b>											
<b>Total.....</b>							1,009,100	877,518	1,049,635	999,798	964,453
<b>A. Cotton, unmanufactured.....</b>	1,000 lbs.	110,957	160,616	156,680	181,393	906,609	49,443	48,596	52,775	46,240	45,669
Long staple.....	do		64,872	50,289	53,733	69,580	17,163	23,201	20,500	18,582	19,624
Short staple.....	do		95,744	106,391	127,661	136,029	32,280	25,395	32,275	27,657	26,044

<sup>9</sup> Average for years 1911-1914.  
<sup>10</sup> Figures for "cigars and cheroots" include "cigarettes."

<sup>11</sup> Average for years 1912-1914.  
<sup>12</sup> Average for years 1910 and 1912-1914.

## No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
3.—TEXTILES—Continued												
B. Cotton, semimanufactures												
Cotton waste.....1,000 lbs.	39,598	77,022	38,664	36,308	29,736	24,720	6,686	19,885	7,728	9,048	6,482	5,927
Yarns and warps—							1,918	6,725	2,244	2,727	2,147	1,623
Not bleached, dyed, colored, etc.....do.		627	247	29	98	34		415	179	34	88	23
Bleached, dyed, colored, combed, or plied.....1,000 lbs.	7,395	4,642	3,486	3,609	2,508	2,271	4,178	5,261	4,310	5,283	4,222	2,703
C. Cotton manufactures							61,317	97,789	60,189	70,890	60,367	60,890
Sewing thread, crochet, darning, and knitting cotton.....million yds.		4,233	3,699	2,990	2,189	2,128		2,189	2,057	2,469	2,262	1,902
Cotton cloth.....1,000 sq. yds.	53,893	218,970	177,386	109,249	60,680	62,002	9,041	47,193	37,703	23,424	16,283	15,293
Not bleached.....do.	4,235	95,186	114,730	75,397	32,115	27,451	498	18,257	21,899	15,423	6,839	5,153
Bleached.....do.		14,888	5,704	4,832	5,286	10,146		3,606	1,553	1,854	1,532	2,154
Colored, dyed, printed, etc. and woven figured.....1,000 sq. yds.	49,658	108,896	56,952	29,020	22,329	25,405	8,543	25,204	14,257	9,417	7,935	3,263
Cotton fabrics, n. e. s.							1,985	2,494	2,709	5,295	7,751	9,126
Damask and manufactures of								298	419	399	314	203
Pile fabrics							1,985	900	984	1,173	2,895	2,793
Tapestries and other Jacquard—woven up- holstery goods								1,196	1,947	2,205	4,345	5,495
Blankets.....thousands					640	699					322	202
Table covers, napkins, doilies, etc.									408	362	374	299
Wearing apparel												
Product of Philippine Islands							8,297	12,289	12,616	12,403	15,294	12,921
Knit goods—							6	294	2,708	2,989	5,422	2,221
Gloves.....1,000 doz. prs.		1,188	1,365	1,659	2,111	2,190						
Hosiery.....do.		612	531	568	497	523		4,094	4,247	5,403	6,514	6,544
Underwear and other knit goods.....dozens		111,337	105,823	85,903	82,686	103,203	2,613	1,327	1,409	1,942	1,612	1,793
Wearing apparel wholly or partly of lace, or embroidered, beaded, etc.							917	371	291	294	291	421
All other												
Other cotton manufactures												
Handkerchiefs and mufflers—												
Not of lace or embroidered, etc.....1,000 lbs.		250	338	397	273	228						
Lace trimmed, or embroidered, etc.....do.		180	336	319	267	347	429	723	1,057	1,295	573	651
								786	1,291	1,346	1,273	1,262

	17,013	20,109	14,608	12,066	12,479
Laces, embroideries, etc.	35,911				
Product of Philippine Islands	13				
Handmade laces	4,670				
Machine-made laces	10,473				
Articles in part of lace	9,209				
Netts, netting veils, and veiling	1,204				
Lace window curtains	1,140				
Embroideries	723				
All other laces, embroideries, etc.	567				
Other cotton manufactures, n. e. s.	18,783				
	5,911				
D. Jute and manufactures	40,688				
Jute, unmanufactured	10,235				
Jute butts, unmanufactured	543				
Waste bagging and waste sackcloth	138				
Burlaps	64,971				
Bagging for cotton, gunny cloth, etc.	1,845				
Woven fabrics, n. e. s.	806				
Jute bags or sacks	2,777				
Yarns	909				
Other jute manufactures	299				
E. Flax, hemp, and ramie, and manufactures	50,446				
Flax, unmanufactured	2,792				
Hacked	2,181				
All other	1,611				
Hemp, unmanufactured	1,178				
Manufactures of flax, hemp, and ramie—					
Single yarns	1,283				
Threads and twine	684				
Cordage of manila, hemp, and other fibers					
Fabrics					
Plain woven fabrics, weighing less than 4½ oz. per sq. yd.					
Woven fabrics of flax 20 to 300 threads to the sq. inch, 4½ to 12 oz. to the sq. yd., 12 to 24 inches in width					
Damask and manufactures					
Other woven fabrics, flax, chief value					
Other fabrics of hemp or ramie					
Wearing apparel					
Towels and napkins of flax, hemp, or ramie					
Handkerchiefs, not embroidered or of lace					
Handkerchiefs made of lace or embroidered					

Average for years 1912-1914





I. Wool, including mohair, etc., unmanufactured										
	1907, 594	594, 360	908, 813	339, 243	310, 906	307, 937	59, 259	199, 711	98, 161	141, 867
Carpet wool.....do.....1,000 lbs.										106, 791
On the skin or in the grease.....do.....										
Washed or scoured.....do.....	105, 124	122, 399	140, 900	157, 970	115, 521	144, 255	14, 810	26, 304	34, 174	30, 102
(Clothing wool (actual weight).....do.....										
In the grease and washed.....do.....										
Scoured.....do.....	83, 046	30, 851	17, 775	23, 479	15, 223	17, 461	19, 497	11, 406	8, 126	10, 908
Combing wool (actual weight).....do.....										
In the grease and washed.....do.....										
Scoured.....do.....										
Hair of the Angora goat, (Cashmere goat, alpaca, etc (actual weight).....1,000 lbs.	(11)	5, 905	5, 556	2, 608	10, 814	2, 780	(12)	2, 820	2, 435	1, 274
Angora goat (mohair).....do.....		4, 005	3, 900	1, 708	10, 668	2, 409		2, 812	1, 307	5, 240
(Cashmere goat, alpaca, etc).....do.....		1, 302	1, 559	838	148	281		506	648	88
J. Wool, semimanufactured										
Noted.....do.....										
Wool rags, flecks, and mungos.....do.....										
Waste.....do.....										
Top of wool, mohair, and other hair.....do.....										
Other wool advanced.....do.....										
Yarns.....do.....										
Mohair.....do.....										
Wool or other hair.....do.....										
K. Wool manufactures										
Woven fabrics of mohair and (1,000 sq. yds. wool).....do.....										
Mohair fabrics.....do.....										
Worsted—										
Weighting not over 4 oz. (1,000 sq. yds. per sq. yd.).....do.....										
Weighting over 4 oz. per sq. (1,000 sq. yds. yd.).....do.....										

11 Less than 500.

12 Included with wool.

13 Average for years 1911-1914.

## No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

## FOREIGN COMMERCE

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>3.—TEXTILES—Continued</b>												
<b>K. Wool manufactures—Continued.</b>												
Woven fabrics—Continued.												
Woolens—												
Weighing not over 4 oz. {1,000 sq. yds.			4,111	4,348	4,180	6,233			1,745	2,002	1,836	2,699
per sq. yd. {1,000 lbs.			880	890	896	1,299						
Weighing over 4 oz. per sq. {1,000 sq. yds.			16,521	14,812	12,704	12,901			17,140	17,252	16,767	16,906
yd. {1,000 lbs.			10,121	8,728	8,647	8,916						
Other fabrics of wool . . . do.		73	21	7	18	42		152	46	18	80	206
Carpets and rugs . . . 1,000 sq. yds.	1,042	2,646	2,804	2,900	8,203	3,281	4,320	12,953	16,153	18,206	21,009	21,508
Oriental Axminster, Savonnerie, Aubus-												
son, oriental weave, and Chenille Axmin-		2,162	2,216	2,182	2,506	2,261		12,612	12,990	16,794	19,328	18,908
ster . . . 1,000 sq. yds.		484	588	757	708	900		1,899	1,260	1,569	1,771	2,596
All other . . . do.												
Wearing apparel . . .							2,137	9,127	9,564	13,081	14,644	16,899
Knit goods—												
Hosiery . . . 1,000 doz. prs.		502	486	529	372	384		2,945	2,924	3,696	2,674	2,589
Gloves and mittens . . . do.		197	167	184	182	162		579	422	412	240	242
Knit outer and underwear . . . 1,000 lbs.		352	320	269	266	455		1,206	1,177	1,196	1,212	2,017
All other wearing apparel . . . do.		968	1,560	2,778	4,376	5,280		4,397	5,040	7,777	7,777	11,970
Wool laces, embroideries, etc.									1,151	310	215	297
Other manufactures of wool . . .							2,460	2,676	1,660	1,768	2,268	3,086
<b>L. Hair and manufactures, n. e. s.</b>												
Human hair—												
Raw, uncleaned . . . 1,000 lbs.		2,170	1,426	2,457	3,128	2,786	5,414	10,364	6,316	7,319	7,980	6,086
Cleaned and drawn, not manufactured												
Nets and netting of human hair . . . 1,000 lbs.		104	30	31	3	5	1,962	1,155	636	1,046	1,261	1,228
Other manufactures of human hair							14,415	4,088	1,794	1,089	963	570
Horse hair, tails, and manes . . . 1,000 lbs.	4,844	6,945	4,309	4,708	4,670	4,757	1,997	2,224	2,229	2,646	2,618	2,558
Other animal hair . . . do.	11,799	11,306	9,162	17,005	17,719	8,127	1,040	1,439	1,154	2,055	2,080	1,411
Manufactures of horse and cattle hair . . . do.			600	790	758	263			126	178	220	106
<b>M. Silk, unmanufactured.</b>												
Cocoons . . . 1,000 lbs.	28,670	61,954	60,608	76,796	77,636	84,345	79,508	401,665	369,041	469,399	469,676	369,086
Raw silk . . . do.	91	410	132	95	111	59	29	391	126	58	108	78
Waste . . . do.	23,799	49,482	51,281	62,764	66,422	74,006	77,058	391,908	327,552	394,286	392,769	392,365
	4,781	12,062	9,189	12,966	11,128	12,281	2,406	9,366	7,332	12,006	9,816	8,680

N. Silk manufactures	Spun silk or echappe silk yarn..... 1,000 lbs.	1,475	1,198	1,383	582	873	29,870	44,597	37,899	36,719	40,570	42,294
	Singles..... do	380	272	77	92	81	5,715	4,614	3,963	5,130	1,824	2,102
	Advanced..... do	1,095	926	1,306	490	792	.....	3,913	3,799	213	264	157
	Bolting cloths..... do	21	19	23	25	24	251	3,701	3,164	4,917	1,560	1,945
	Fabrics, broad, except pile fabrics..... do	2,763	2,377	2,746	3,739	3,526	9,068	17,931	13,462	14,255	18,627	17,861
	All silk—											
	In the gray..... do	1,946	1,437	1,341	2,278	2,123	.....	12,276	8,029	6,545	9,931	8,059
	Dyed, colored, advanced..... do	614	642	1,091	970	989	.....	4,850	4,569	6,887	7,044	8,368
	Mixed, chief value silk..... do	208	298	314	491	414	.....	805	864	823	1,651	1,434
	Pushes, velvets, and chenilles..... do	1,108	648	436	428	708	.....	6,768	3,801	2,560	2,839	4,596
O. Artificial silk (rayon) manufactures	Velvet or plush ribbon..... do	1,136	114	129	131	110	2,664	690	603	592	640	639
	Silk ribbons not over 12 inches wide..... do	109	86	72	63	54	1,191	661	512	377	298	304
	Banding, belting, and other narrow fabrics..... do	.....	.....	.....	.....	.....	567	178	141	117	111	146
	Silk wearing apparel.....	.....	.....	.....	.....	.....	4,620	5,948	7,792	6,989	8,334	8,555
	Product of Philippine Islands.....	.....	.....	.....	.....	.....	1	14	13	8	.....	76
	Shirts, collars, and clothing, not knit.....	.....	.....	.....	.....	.....	.....	1,944	2,407	2,866	3,897	3,790
	Embroidered, etc., or of lace.....	.....	.....	.....	.....	.....	4,619	3,627	5,111	3,847	4,192	4,314
	Knit or crocheted.....	.....	.....	.....	.....	.....	.....	363	261	268	245	375
	Silk handkerchiefs and mufflers—	.....	.....	.....	.....	.....	.....	695	597	1,060	1,160	1,331
	Hemmed or not hemmed..... 1,000 doz.	263	292	534	522	631	.....	201	149	202	280	239
P. Miscellaneous textile products	Embroidered or of lace..... do	97	77	117	147	195	.....	.....	.....	.....	.....	.....
	Silk laces, embroideries, etc.....	.....	.....	.....	.....	.....	4,093	4,872	4,653	3,532	4,289	4,316
	Laces and lace articles.....	.....	.....	.....	.....	.....	.....	1,451	1,495	1,198	1,080	1,132
	Vells and vellings.....	.....	.....	.....	.....	.....	.....	731	346	64	59	66
	Nets and nettings.....	.....	.....	.....	.....	.....	.....	623	561	415	500	493
	Embroideries.....	.....	.....	.....	.....	.....	.....	1,129	1,373	1,341	1,910	2,072
	All other.....	.....	.....	.....	.....	.....	.....	935	877	514	710	583
	All other manufactures of silk.....	.....	.....	.....	.....	.....	1,706	1,584	1,492	1,382	1,684	1,538
	Waste and yarns made from waste..... 1,000 lbs.	2,972	5,417	5,529	4,528	2,299	2,667	10,909	6,839	13,118	13,899	18,798
	Yarns, threads, and filaments..... do	3,906	1,712	7,001	10,063	16,236	.....	1,332	1,416	1,828	1,413	639
P. Miscellaneous textile products	Braids..... do	167	139	455	339	228	.....	6,738	2,295	8,171	9,061	13,464
	All other manufactures.....	.....	.....	.....	.....	.....	.....	472	357	1,063	774	531
	Linoleum, inlaid..... 1,000 sq. yds.	.....	.....	.....	.....	.....	.....	1,667	1,771	2,057	2,661	3,894
	Other linoleum and floor oil cloth..... do	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Tracing cloths..... do	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Other coated, filled, or waterproof fabric..... do	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Fur-felt hats..... 1,000 hats	245	274	539	898	1,138	.....	1,546	1,041	1,094	1,390	1,104
	Other hats or caps, cotton, wool, or silk..... do	15	.....	.....	.....	.....	.....	587	593	1,406	2,282	2,451
	.....	.....	.....	.....	.....	.....	.....	58	.....	.....	.....	.....
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>a</sup> Average for years 1911-1914.

<sup>a</sup> Average for years 1912-1914.  
<sup>b</sup> Data are "manufactures of hair."



Manufactures of wood, product of Philippine Islands									
Other manufactures of wood									
D. Cork and manufactures									
Bark of wood, unmanufactured	1,000 lbs.	62,976	62,449	76,430	126,355	124,001	5,796	8,088	34
Waste shavings, etc.	do.	164,571	180,152	137,226	179,347	99,090	2,580	4,776	34
Drake, wafers, and washers	do.	200	430	280	1,109	50,408		1,961	34
Cork insulation	do.	17,302	18,988	24,734	38,506	412		242	34
Cork stoppers	do.			390	543			594	34
All other manufactures of cork	do.								34
E. Paper base stocks									
Pulp wood—									
Rough	1,000 cords	375	268	321	367	431	2,845	3,852	34
Feeler	do.	856	886	1,019	928	1,074		4,776	34
Reamed	do.	118	126	148	89	91		1,961	34
Wood pulp—	tons	471,796	1,259,567	1,485,370	1,545,904	1,496,222		74,744	34
Mechanically ground wood pulp—	do.	178,835	219,571	295,618	271,212	219,265		9,297	34
Sulphite wood pulp—	do.								34
Unbleached	do.	461,853	561,920	579,284	628,923	613,846		38,548	34
Bleached	do.	250,580	272,369	280,976	294,818	311,130		22,246	34
Soda pulp	do.	5,433						343	34
Sulphate wood pulp, unbleached (Kraft pulp)	tons	233,690	273,094	306,073	334,808	341,162		16,229	34
Sulphate wood pulp, bleached	do.	15,422	27,613	17,419	16,147	10,789		1,081	34
Other pulp	do.	836	2,127	2,123	3,267	3,348		49	34
Rags for paper stock	1,000 lbs.	397,730	507,393	572,432	478,764	388,121		7,153	34
Waste bagging, waste paper, etc.	do.	128,964	108,661	128,873	118,322	108,798		1,760	34
Old rope and all other paper stock	do.	104,138	98,115	71,199	79,086	84,978		4,867	34
F. Paper and manufactures									
Printing paper—									
Standard newspaper	1,000 lbs.	72,617,086	2,714,467	2,864,880	3,701,350	2,974,129		98,021	34
All other, n. e. s.	do.	16,794	26,711	16,611	16,376	10,420		1,126	34
Grass-proof and waterproof papers	do.	3,208	1,432	2,379	2,227	1,422		203	34
Kraft wrapping paper	do.	68,012	26,217	14,420	8,868	12,196		2,906	34
All other wrapping paper	do.		21,433	5,800	5,306	12,914		641	34
Writing, drawing, bond, etc., papers	do.	3,452	2,746	3,230	3,761	3,410		631	34
Surface-coated	do.	1,157	1,946	1,665	2,068	2,235		309	34
Tissue paper	do.	2,036	2,406	2,714	2,882	3,291		917	34
Pulp boards (n. rolls)	do.	78,775	77,228	74,865	70,765	60,128		2,389	34
Other paper boards, n. e. s.	do.	24,801	31,497	20,358	40,222			722	34
Cigarette paper, cigarette books and covers	do.								34
Hanging paper (wall paper)	1,000 lbs.	12,183	10,981	10,651	8,276	14,086		3,213	34
Paper boxes	do.	10,559	13,991	6,616	2,529	2,256		659	34
Pulp or paper-maché and manufactures of, n. e. s.	do.		1,830	2,339	2,104	2,603		1,179	34
Duplex decalcomania, not printed	1,000 lbs.	386	516	436	1,963	1,651		101	34
All other	do.				690	702		3,896	34

\* Average for years 1913-14.  
 † Data are "Chemical wood pulp, unbleached."  
 ‡ Data are "Chemical wood pulp, bleached."

\* Average for years 1913-14.  
 † Data are "Chemical wood pulp, unbleached."

\* Average for years 1913-14.  
 † Data are "Chemical wood pulp, unbleached."

\* Average for years 1913-14.  
 † Data are "Chemical wood pulp, unbleached."

## FOREIGN COMMERCE

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>GROUP 5.—NONMETALLIC MINERALS</b>												
<b>Total.....</b>							60,303	944,880	908,233	908,619	901,804	909,987
<b>A. Coal and related fuels.....</b>												
Anthracite coal..... tons.....	4,416	268,179	106,313	341,870	726,746	103,377	4,737	18,948	8,880	7,849	12,373	5,088
Bituminous coal, shale, and lignite..... 1,000 tons.....	1,525	1,081	372	587	475	491	17	2,114	2,889	3,213	6,997	2,837
Bituminous coal, shale, and lignite..... do.....		699	89	85	92	71	4,240	10,135	2,133	2,684	2,384	2,447
Bituminous coal and shale..... do.....		982	283	452	880	420		4,414	462	434	489	2,345
Coke..... tons.....	110,653	75,895	73,958	179,961	264,061	150,767		5,721	1,676	2,280	1,816	2,101
Charcoal, briquets, etc.....							470	863	795	1,689	2,174	1,372
								134	48	94	797	373
<b>B. Petroleum and products.....</b>												
Crude petroleum..... 1,000 bbls.....	7,304	82,015	77,775	61,824	60,252	23,253	4,880	78,712	101,297	197,394	194,508	118,494
Refined petroleum oil products..... do.....		17,592	16,760	16,824	26,902	12,280	4,838	52,882	73,242	75,407	79,302	78,609
Topped, including fuel oils..... do.....		12,286	12,927	12,245	14,422	8,124		24,271	26,870	31,253	44,597	33,686
Tops and other unfinished distillates..... do.....		715	359	210	223	91		7,559	12,299	14,235	16,908	10,176
Gasoline, naphtha, and other finished light products..... 1,000 bbls.....		4,555	3,453	3,813	5,540	5,032		1,601	12,934	15,978	2,686	2,388
Illuminating oil (kerosene)..... do.....		7	10	19	74	55		14,859	13,135	15,978	24,538	22,773
Lubricating oils..... do.....		29	11	37	33	8		56	65	133	286	243
Paraffin and paraffin wax..... 1,000 lbs.....	8,868	12,843	12,867	14,586	9,988	20,462		196	87	266	267	103
							304	559	645	1,008	682	1,157
<b>C. Stone, sand, cement, and lime.....</b>												
Marble, breccia, and onyx— In blocks, or sawed over 2 inches thick ..... 1,000 cu. ft.....							2,451	6,267	6,264	9,267	9,196	8,196
Manufactures.....		608	656	640	805	954						
Other building or monumental stone, n. e. s.....							1,429	1,507	1,253	1,880	1,792	2,531
Sand and gravel..... 1,000 tons.....		427	626	477	846	657		360	317	453	664	880
Other stone, n. e. s.....							145	601	725	873	931	574
Cement, Roman, Portland, and other hydraulic..... 1,000 bbls.....	196	1,679	2,011	2,655	2,222	2,000		269	280	266	342	302
Lime and limestone, crude..... 1,000 lbs.....	10,477	50,814	46,961	98,277	54,754	55,305		217	149	309	280	236
<b>D. Glass and glass products.....</b>												
Cylinder, crown and sheet— Unpolished..... 1,000 lbs.....												
Bent, ground, beveled, colored, painted, etc., and polished.....	27,623	46,647	30,453	45,881	81,694	82,747		2,964	3,116	5,314	5,126	2,937
Plate glass..... 1,000 sq. ft.....	2,634	28,420	19,373	17,257	26,064	16,796		459	308	291	308	885
Containers: Bottles, vials, etc.....							6,478	24,880	19,188	17,885	24,979	17,388
								2,126	1,743	2,489	2,191	2,261
							1,009	793	512	285	346	302
							606	16,416	10,280	7,278	5,832	4,642
								196	207	186	265	193

[illegible]



## FOREIGN COMMERCE

## No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
5.—NONMETALLIC MINERALS—Continued												
G. Other nonmetallic minerals												
Abrasives												
Natural abrasives—												
Corundum ore..... tons	1, 145	5, 018	3, 120	1, 467	4, 831	1, 133						
Emery ore..... do	14, 816	6, 344	6, 320	6, 795	4, 237	4, 126						
Diamond dust and bort.....												
Pumice stone and manufactures..... tons		14, 243	15, 601	14, 500	13, 474	13, 563						
Flint.....												
Other.....												
Artificial abrasives, crude..... 1,000 lbs.		86, 747	73, 531	95, 884	108, 057	95, 116						
Other abrasives and manufactures.....												
Asbestos—												
Unmanufactured..... tons	63, 727	189, 661	163, 616	205, 821	230, 019	199, 726						
Manufactures..... 1,000 lbs.		15, 069	22, 005	35, 387	61, 867	135, 441						
Asphalt and bitumen..... tons	177, 016	129, 138	143, 231	109, 073	127, 350	141, 158						
Carbon and manufactures.....												
Chalk—												
Unmanufactured..... tons	134, 235	122, 983	107, 081	102, 657	104, 856	110, 245						
Manufactures..... 1,000 lbs.		9, 462	16, 718	17, 763	23, 034	2, 948						
Cryolite or kryolith..... tons			6, 320	9, 844	7, 599	5, 064						
Fluorspar..... do	24, 037		45, 574	43, 482	67, 563	63, 853						
Gypsum or plaster rock—												
Crude..... do	370, 011	400, 115	403, 953	566, 449	735, 787	739, 838						
Ground, calcined, cements, and other manufactures.....												
Mica—												
Crude, unmanufactured..... 1,000 lbs.		1, 018	692	627	820	757						
Cut, split, or manufactured..... do		6, 171	5, 321	4, 682	6, 183	2, 532						
Pyrites, or sulphuret of iron, containing more than 25 per cent sulphur..... 1,000 tons	883	264	247	276	366	251						
Talcum, steatite, or French chalk..... 1,000 lbs.	21, 165	39, 975	36, 396	41, 980	48, 692	50, 246						
Magnesite—												
Crude and calcined..... do		172, 070	140, 811	138, 234	30, 877	20, 703						
Dead burned and grain..... do					154, 215	99, 745						
Salt..... do	286, 839	198, 879	199, 224	160, 021	121, 455	95, 844						
Graphite or plumbago..... do	49, 520	39, 634	32, 750	35, 559	32, 387	34, 857						
Mineral wax..... do	6, 879	5, 008	3, 069	6, 175	8, 286	7, 600						
Other nonmetallic minerals, n. e. s.....												

GROUP 6  
NITRILE AND NITRILIM  
ACETYL AND NITRILIM  
NITRILE AND NITRILIM, FERT

Total	1913, 1914	1914, 1915	1915, 1916	1916, 1917	1917, 1918	1918, 1919	1919, 1920	1920, 1921	1921, 1922	1922, 1923	1923, 1924	1924, 1925	1925, 1926	1926, 1927	1927, 1928	1928, 1929	1929, 1930	1930, 1931	1931, 1932	1932, 1933	1933, 1934	1934, 1935	1935, 1936	1936, 1937	1937, 1938	1938, 1939	1939, 1940	1940, 1941	1941, 1942	1942, 1943	1943, 1944	1944, 1945	1945, 1946	1946, 1947	1947, 1948	1948, 1949	1949, 1950	1950, 1951	1951, 1952	1952, 1953	1953, 1954	1954, 1955	1955, 1956	1956, 1957	1957, 1958	1958, 1959	1959, 1960	1960, 1961	1961, 1962	1962, 1963	1963, 1964	1964, 1965	1965, 1966	1966, 1967	1967, 1968	1968, 1969	1969, 1970	1970, 1971	1971, 1972	1972, 1973	1973, 1974	1974, 1975	1975, 1976	1976, 1977	1977, 1978	1978, 1979	1979, 1980	1980, 1981	1981, 1982	1982, 1983	1983, 1984	1984, 1985	1985, 1986	1986, 1987	1987, 1988	1988, 1989	1989, 1990	1990, 1991	1991, 1992	1992, 1993	1993, 1994	1994, 1995	1995, 1996	1996, 1997	1997, 1998	1998, 1999	1999, 2000	2000, 2001	2001, 2002	2002, 2003	2003, 2004	2004, 2005	2005, 2006	2006, 2007	2007, 2008	2008, 2009	2009, 2010	2010, 2011	2011, 2012	2012, 2013	2013, 2014	2014, 2015	2015, 2016	2016, 2017	2017, 2018	2018, 2019	2019, 2020	2020, 2021	2021, 2022	2022, 2023	2023, 2024	2024, 2025	2025, 2026	2026, 2027	2027, 2028	2028, 2029	2029, 2030	2030, 2031	2031, 2032	2032, 2033	2033, 2034	2034, 2035	2035, 2036	2036, 2037	2037, 2038	2038, 2039	2039, 2040	2040, 2041	2041, 2042	2042, 2043	2043, 2044	2044, 2045	2045, 2046	2046, 2047	2047, 2048	2048, 2049	2049, 2050	2050, 2051	2051, 2052	2052, 2053	2053, 2054	2054, 2055	2055, 2056	2056, 2057	2057, 2058	2058, 2059	2059, 2060	2060, 2061	2061, 2062	2062, 2063	2063, 2064	2064, 2065	2065, 2066	2066, 2067	2067, 2068	2068, 2069	2069, 2070	2070, 2071	2071, 2072	2072, 2073	2073, 2074	2074, 2075	2075, 2076	2076, 2077	2077, 2078	2078, 2079	2079, 2080	2080, 2081	2081, 2082	2082, 2083	2083, 2084	2084, 2085	2085, 2086	2086, 2087	2087, 2088	2088, 2089	2089, 2090	2090, 2091	2091, 2092	2092, 2093	2093, 2094	2094, 2095	2095, 2096	2096, 2097	2097, 2098	2098, 2099	2099, 2100	2100, 2101	2101, 2102	2102, 2103	2103, 2104	2104, 2105	2105, 2106	2106, 2107	2107, 2108	2108, 2109	2109, 2110	2110, 2111	2111, 2112	2112, 2113	2113, 2114	2114, 2115	2115, 2116	2116, 2117	2117, 2118	2118, 2119	2119, 2120	2120, 2121	2121, 2122	2122, 2123	2123, 2124	2124, 2125	2125, 2126	2126, 2127	2127, 2128	2128, 2129	2129, 2130	2130, 2131	2131, 2132	2132, 2133	2133, 2134	2134, 2135	2135, 2136	2136, 2137	2137, 2138	2138, 2139	2139, 2140	2140, 2141	2141, 2142	2142, 2143	2143, 2144	2144, 2145	2145, 2146	2146, 2147	2147, 2148	2148, 2149	2149, 2150	2150, 2151	2151, 2152	2152, 2153	2153, 2154	2154, 2155	2155, 2156	2156, 2157	2157, 2158	2158, 2159	2159, 2160	2160, 2161	2161, 2162	2162, 2163	2163, 2164	2164, 2165	2165, 2166	2166, 2167	2167, 2168	2168, 2169	2169, 2170	2170, 2171	2171, 2172	2172, 2173	2173, 2174	2174, 2175	2175, 2176	2176, 2177	2177, 2178	2178, 2179	2179, 2180	2180, 2181	2181, 2182	2182, 2183	2183, 2184	2184, 2185
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\* "Wire rope, insulated wire, etc.," prior to 1926.  
 † "Nails and screws" prior to 1926.

<sup>t</sup> Average for years 1912-1914.  
<sup>u</sup> Average for years 1910 and 1912-1914.

## FOREIGN COMMERCE

## No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES—Continued												
E. Ferro-alloys												
Manganese ore—												
Product of Cuba (gross weight)..... tons		9, 062	23, 065	12, 745	14, 112	8, 976		15, 610	13, 553	18, 016	20, 783	16, 440
Other manganese ore (manganese content)..... tons		196, 986	231, 393	287, 205	347, 378	304, 419		137	343	253	225	142
Ferromanganese and other alloys (manganese content)..... tons	264, 022						1, 675	3, 737	5, 689	8, 005	10, 847	8, 345
Chrome ore or chromite..... do	61, 112	88, 570	47, 811	67, 436	43, 932	34, 018	6, 543	8, 605	4, 055	6, 578	4, 138	3, 405
Ferrochromium, chromium metal, and chromium vanadium..... 1,000 lbs	25, 080	128, 763	118, 343	149, 739	215, 464	222, 360	521	1, 123	1, 096	1, 208	1, 705	1, 749
Ferrosilicon (silicon content)..... do	(21)	3, 522	948	1, 511	1, 178	11, 052		309	104	143	124	59
Tungsten and alloys (tungsten content)..... do		26, 286	26, 860	10, 205	29, 398	7, 367	(21)	1, 054	1, 235	585	1, 386	1, 026
Vanadium ore..... tons		615	80	3, 090	3, 442	1, 614	4, 232	216	25	735	871	308
Other ores of ferro-alloying metals..... 1,000 lbs		1, 865	6, 302	2, 114	7, 471	6, 199	287	229	723	340	914	561
Other ferro-alloying metals..... do		6	682	453		20		3	8	13		20
								196	273	154	573	825
F. Nonferrous metals, except precious												
Aluminum												
Bauxite, crude..... tons	21, 467	119, 020	201, 974	353, 696	281, 644	356, 590	111, 906	203, 338	206, 174	233, 006	272, 214	247, 412
Metal, scraps, and alloy..... 1,000 lbs	419, 242	43, 065	29, 394	43, 410	74, 879	72, 189	2, 434	9, 861	7, 777	12, 086	18, 690	17, 892
Manufactures—							179	594	909	1, 549	1, 187	1, 572
Plates, sheets, bars, etc..... do		1, 289	790	102	127	400	42, 951	8, 518	6, 307	10, 180	17, 108	15, 316
Hollow ware..... do		649	414	243	215	142			213	48	37	79
Other manufactures..... do							807	293	209	125	99	66
								136	138	184	259	859
Copper..... 1,000 lbs	368, 963	676, 473	768, 813	652, 972	779, 441	718, 323	47, 845	95, 988	96, 184	84, 270	99, 742	84, 963
Copper ores, concentrates and matte..... do	92, 898	143, 054	147, 957	163, 329	153, 595	168, 914		19, 006	17, 626	20, 267	19, 064	18, 995
Ores (copper content)..... do	69, 469	90, 153	105, 166	107, 642	106, 715	99, 328	10, 743	11, 735	12, 807	13, 582	13, 452	10, 757
Concentrates (copper content)..... do		49, 941	41, 737	53, 954	44, 750	68, 193	7, 705	6, 862	4, 693	6, 492	5, 492	8, 107
Regulus, coarse, metal, and cement copper (copper content)..... 1,000 lbs	23, 429	2, 961	1, 053	1, 733	2, 129	1, 393		409	125	213	261	131
Unrefined, black, blister, and converter copper, in pigs, bars, etc..... 1,000 lbs		395, 263	471, 029	379, 334	443, 798	438, 594		56, 564	59, 462	48, 870	56, 101	51, 954
Refined copper..... do	276, 065	128, 468	145, 910	99, 774	170, 566	103, 279	37, 016	19, 120	18, 556	13, 831	23, 336	13, 105
Old and clippings for remanufacture..... do		5, 485	3, 709	10, 428	11, 002	7, 478		606	402	1, 189	1, 114	696
Composition metal, copper chief value..... do		4, 202	209	107	481	58		600	43	12	64	15
Copper manufactures, n. e. s..... do							86	93	95	81	62	195

FOREIGN COMMERCE

Brass, and bronze, and manufactures. Old and clippings, for remanufacture .....1,000 lbs.	6,159	40,790	9,272	10,748	8,622	7,985	1,448	5,066	1,877	2,158	2,310	2,978
Brass manufactures.....							684	3,983	698	773	632	556
Brass manufactures.....							764	464	543	645	768	1,219
Brass manufactures.....								609	636	740	911	1,203
Lead.....1,000 lbs.	162,834	277,931	276,604	254,578	310,722	324,646	3,509	14,612	15,262	17,398	19,994	17,886
Ore, matte, and bullion— Ore and matte (lead content).....do	44,186	66,883	95,320	88,963	116,233	81,276	871	3,169	4,435	5,163	6,801	4,643
Bullion or base bullion (lead content) .....1,000 lbs.	115,198	161,496	155,501	141,254	156,571	236,567	2,509	8,532	8,862	10,458	10,096	11,737
Pigs, bars, old and scrap <sup>22</sup> .....do				12,798	20,084	4,935				1,066	1,488	348
Babbitt metal, solder, etc (lead content) <sup>24</sup> .....1,000 lbs.	3,450	42,199	24,494	1,244	2,271	1,216	111	2,384	1,721		548	932
Manufactures of lead, n. e. s. (except type metal).....							18	95	144	149	164	160
Type metal and an- (gross weight.....1,000 lbs.				6,009	8,620	893		482	101	463	896	65
timonial lead.....do		7,353	1,289	4,310	6,963	652						
Nickel.....							4,928	6,710	6,199	7,876	9,462	8,903
Ore and matte.....1,000 lbs.	36,602	14,602	11,333	9,912	14,636	10,744	4,928	1,146	1,063	1,063	1,303	902
Nickel alloy in pigs and other forms.....do			24,684	31,907	29,379	29,220			4,950	6,541	7,857	7,721
Nickel oxide.....do			902	1,282	1,485	1,013		5,564	1,20	177	241	179
Nickel in bars, plates, sheets, etc., and man- ufactures.....									66	95	62	101
Tin— Ore (tin content).....tons		2,692	155	191	308	122		2,169	71	98	187	79
Bars, blocks, pigs, etc.....1,000 lbs.	106,134	154,411	145,732	171,686	172,886	159,357	41,511	61,092	68,963	95,121	104,798	100,865
Zinc— Ore (zinc content).....do	40,151	6,853	9,491	27,078	29,252	19,025	777	364	428	1,438	1,520	786
Blocks, pigs, etc., and old.....do	12,350	43	51	48	43	115	625	2	3	3	2	7
Zinc dust and other manufactures.....							205	26	29	39	44	97
Antimony— Ore {gross weight.....1,000 lbs.				2,718	5,108	7,023						
Needle, liquified, regulus, or metal.....do	13,188	2,094	1,798	1,545	3,180	3,965	728	45	63	47	291	278
Cobalt ore and metal.....do	6349	15,627	14,552	21,318	29,422	24,740	655	609	302	2,513	3,795	2,516
Gold and silver sweepings.....do		284	207	210	542	468	125	279	723	410	877	844
Quicksilver or mercury.....1,000 lbs.			906	1,709	2,146	1,849		901	521	295	216	196
Other ores, metals, and alloys, n. e. s.....								666	468	1,322	1,971	2,189
Manufactures of metals, n. e. s.....							7,734	4,729	5,413	1,131	656	710
6. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin.....										6,801	7,664	6,221
Platinum.....oz. troy												
Ores of platinum metal (platinum content) .....oz. troy		86,540	95,713	106,478	114,968	128,544	7,644	20,601	18,550	20,494	24,073	22,478
Grains, nuggets, sponge or scrap.....do					1,221	90,491	4,306	8,928	9,824	11,301	11,804	11,186
Ingots, bars, sheets or plates, etc.....do					87,162	38,053					125	7,481
					26,585						8,683	8,707

<sup>1</sup> Average for years 1912-1914.  
<sup>22</sup> Pigs and bars prior to Jan. 1 1927.

<sup>23</sup> Average for years 1911-1914.  
<sup>24</sup> Scrap lead, Babbitt metal, solder, etc., prior to Jan. 1, 1927.

<sup>25</sup> Included with pig iron.

## FOREIGN COMMERCE

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
<b>6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES—(Continued)</b>												
<b>8. Precious metals, etc.—(Continued).</b>												
Platinum metals and native combinations thereof—												
Iridium.....oz. troy		1,611	1,397	2,349	3,306	4,653		277	214	587	412	520
Osmium and osmiridium.....do	7,501	2,636	1,796	4,286	6,141	7,512	439	297	213	567	659	398
Palladium.....do		14,578	10,388	8,296	8,268	6,251		857	625	483	460	223
Rhodium and ruthenium.....do		1,292	2,048	4,332	2,120	1,792		108	152	285	117	79
Jewelry.....1,000 pieces		8,938	7,547	4,126	5,971	8,356	1,333	2,031	1,602	1,183	1,540	2,087
Metal articles for personal use and adornment								772	716	818	1,596	2,389
Manufactures of gold and silver, n. e. s.—												
Lame and lahn, tinsel wire, bullion and threads			1,631	1,629	2,261	1,675		6,530	1,602	1,698	2,887	1,614
Braids, fabrics, laces, etc.							1,566	801	2,523	2,415	2,993	2,604
All other, including plated articles									1,080	1,147	1,605	1,376
<b>GROUP 7.—MACHINERY AND VEHICLES</b>												
<b>Total</b>							12,480	21,399	17,481	19,176	26,123	27,517
<b>A. Electrical machinery and apparatus</b>								2,266	2,768	2,453	2,590	3,083
Electric lamps—												
Incandescent—												
Carbon filament.....thousands	1,270	11,750	25,427	29,589	28,201	23,298	179	413	963	1,120	1,269	1,063
Metal filament.....do	5,776	18,871	11,613	8,292	6,112	4,118	491	877	609	366	410	1,197
Other.....do	2	10,225	9	10	19	16	183	423	4	8	6	11
Other electrical machinery and apparatus								554	1,191	989	845	1,772
<b>B, C, D. Industrial office and printing machinery</b>								13,468	10,541	11,709	16,450	16,453
Steam and internal-combustion engines and repairs								1,784	117	23	76	279
Metal-working machine tools.....1,000 lbs			1,787	1,916	2,679	1,802		423	336	374	522	414
Textile machinery								6,641	4,585	4,863	5,615	6,201
Embroidery, lace, and lace-curtain machines and parts								100	49	76	8	169
Other knitting, braiding, and insulating machines and parts.....1,000 lbs		4,375	2,729	6,041	12,124	817		1,808	1,073	1,680	3,420	3,510
Cotton-manufacturing machinery and parts.....1,000 lbs			560	2,021	1,386	2,179			85	440	306	403

Wool-manufacturing machinery and parts.....1,000 lbs.	18, 186	17, 338	13, 864	1, 059	1, 899	.....	4, 733	3, 378	.....	202	457
Other textile machinery and parts.....do	.....	.....	.....	7, 011	6, 473	.....	728	570	.....	1, 680	1, 662
Sewing machines and parts.....	.....	.....	.....	.....	1, 068	.....	.....	.....	.....	377	539
Antifriction balls, rollers, and bearings.....1,000 lbs.	1, 050	764	872	1, 255	.....	.....	.....	818	846	1, 050	913
Other industrial office and printing machinery.....	.....	.....	.....	.....	.....	.....	.....	4, 115	5, 355	8, 810	8, 106
B. Agricultural machinery and implements.....	.....	.....	.....	.....	.....	.....	.....	2, 396	3, 094	5, 018	5, 407
Cream separators, not over \$50 each.....number.	21, 826	17, 999	20, 644	28, 398	25, 196	.....	592	452	540	703	610
Plows and cultivators.....do	3, 692	2, 709	3, 856	5, 486	10, 076	.....	179	171	285	437	743
Threshing machines.....do	117	123	116	131	50	.....	92	125	95	112	49
All other, including agricultural vehicles.....	.....	.....	.....	.....	.....	.....	2, 072	1, 538	2, 173	3, 760	4, 013
F. Automobiles, and other vehicles, except agricultural.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Automobiles and chassis.....number.	853	604	678	818	635	.....	2, 786	1, 896	1, 999	2, 290	2, 695
Bodies and parts of automobiles, except tires.....	.....	.....	.....	.....	.....	.....	884	842	1, 080	1, 353	1, 219
Other vehicles and parts.....	.....	.....	.....	.....	.....	.....	1, 851	985	.....	725	1, 146
Total.....	.....	.....	.....	.....	.....	.....	87, 667	121, 026	190, 081	124, 838	129, 867
A. Coal-tar chemicals.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coal-tar products, crude.....	.....	.....	.....	.....	.....	.....	14, 276	17, 274	20, 119	19, 806	24, 049
Dead or creosote oil.....1,000 gals.	64, 200	89, 688	84, 869	87, 519	96, 915	.....	.....	10, 071	13, 464	11, 720	15, 437
Pyridine.....1,000 lbs.	.....	609	789	743	136	.....	.....	.....	269	366	42
Other crude coal-tar products.....	.....	.....	.....	.....	.....	.....	392	1, 463	633	985	873
Intermediates.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Acids.....1,000 lbs.	80	295	337	511	819	.....	.....	.....	77	133	120
All other intermediates.....do	2, 898	3, 812	2, 241	998	1, 768	.....	.....	.....	730	642	1, 027
Finished products.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alizarin and derivatives.....do	290	182	48	21	4	.....	.....	.....	214	38	3
Colors, dyes, stains, color acids, and color bases, n. e. s.....1,000 lbs.	3, 290	3, 440	5, 785	4, 973	5, 497	.....	.....	.....	4, 462	5, 601	6, 182
Coal-tar medicinals.....do	.....	92	108	70	130	.....	.....	.....	256	257	277
Other finished coal-tar products.....do	.....	.....	.....	23	42	.....	.....	.....	14	63	83
B. Medicinal and pharmaceutical preparations.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Quinine sulphate.....1,000 oz.	2, 993	1, 210	1, 524	1, 584	1, 916	.....	.....	.....	4, 777	5, 391	5, 498
All other quinine and other alkaloids and salts from cinchona bark.....1,000 oz.	2, 057	2, 042	1, 427	1, 345	1, 232	.....	.....	.....	558	655	736
Other alkaloids and salts of.....	.....	.....	.....	.....	.....	.....	.....	.....	766	426	473
Menthol.....pounds.	.....	198	294	459	369	.....	.....	.....	109	94	118
Antitoxins, serums, vaccines, etc., and blistering insects.....	.....	.....	.....	.....	.....	.....	.....	.....	1, 744	2, 842	1, 382
Other medicinals.....	.....	.....	.....	.....	.....	.....	.....	.....	21	3	17
All other preparations, n. e. s.....	.....	.....	.....	.....	.....	.....	.....	.....	253	280	597
Total.....	.....	.....	.....	.....	.....	.....	.....	.....	1, 327	1, 589	2, 152

• Average for years 1911-1914.

• Average for years 1912-1914.

• Average for years 1913-14.





All other industrial chemicals															12, 182	5, 071	2, 040	2, 847	2, 800	4, 945
D. Pigments, paints, and varnishes—																				
Mineral earth pigments—																				
Iron oxide and iron hydroxide pigments																				
1,000 lbs.																				
Others and slimes																				
do.																				
Other <sup>a</sup>																				
Chemical pigments—																				
Lithopone and other zinc pigments																				
1,000 lbs.																				
All other																				
Paints, stains, and enamels																				
1,000 lbs.																				
Varnishes																				
1,000 gals.																				
E. Fertilizers and materials																				
Nitrogenous—																				
Calcium cyanamid or lime nitrogen																				
tons																				
Calcium nitrate																				
do.																				
Sodium nitrate																				
do.																				
Ammonium-sulphate-nitrate																				
do.																				
Guano																				
do.																				
Dried blood																				
do.																				
Tankage																				
do.																				
Sulphate of ammonia																				
do.																				
All other																				
do.																				
Phosphates—																				
Bone phosphates																				
do.																				
Other phosphate materials																				
do.																				
Potash fertilizers—																				
Chloride, crude (muriate of potash)																				
do.																				
Sulphate, crude																				
do.																				
Kalinite																				
do.																				
Manure salts																				
do.																				
Other potash-bearing substances																				
do.																				
All other fertilizers																				
do.																				
F. Explosives																				
Acids, fulminates, dynamite, etc., and powder from country imposing duty																				
1,000 lbs.																				
Firecrackers																				
Fireworks and ammunition																				
G. Soaps and toilet preparations																				
Soap—																				
Castile																				
1,000 lbs.																				
Toilet																				
do.																				
All other																				
do.																				
Perfumery, bay rum, and toilet water																				
do.																				
Perfume materials																				
do.																				
Cosmetics, powders, creams, etc.																				
1,000 lbs.																				

<sup>a</sup> Average for years 1912-1914. <sup>b</sup> Average for years 1911-1914. <sup>c</sup> Acetate, crude, and chloride for 1923. <sup>d</sup> All paints, colors, and varnishes, except sicc pigments prior to Sept. 23, 1923.

No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND ARTICLES—Continued

50

FOREIGN COMMERCE

Group and article	Quantity						Value in thousands of dollars					
	1910-1914	1923	1924	1925	1926	1927	1910-1914	1923	1924	1925	1926	1927
GROUP 9. - MISCELLANEOUS												
Total							95,490	148,376	144,072	158,932	171,331	178,378
A. Photographic goods												
Cameras and parts							2,728	5,976	5,218	5,635	5,683	5,887
Sensitized films, not exposed							247	475	243	494	325	370
Motion-picture films—								3,211	3,064	3,732	3,800	3,709
Negatives							1,231	658	943	327	306	315
Positives								324	241	188	188	167
Other films and dry plates							378	127	83	103	166	226
Photographic paper							1,070	479	644	791	898	1,039
B. Scientific and professional instruments, apparatus, and supplies, n. e. s.							1,003	2,447	2,424	2,367	2,577	3,179
Optical goods—												
Opera and field glasses												
Other optical instruments and parts							665	1,184	1,174	1,752	426	469
Spectacles, eyeglasses, and parts								95	149	124	1,113	1,229
Dental and surgical instruments								552	469	419	168	139
Philosophical and scientific instruments, etc							603	616	631	592	464	564
C. Musical instruments							1,748	4,108	4,477	4,298	5,197	4,797
Pianos and organs								127	198	289	305	271
Phonograph and similar articles and parts							58	719	442	394	641	650
Band instruments and violins								670	712	588	573	603
Other instruments and accessories							1,690	2,586	3,125	2,955	3,679	3,273
D. Toys and athletic goods							8,074	10,812	7,966	6,179	6,796	6,863
Toys—												
Dolls and parts							7,893	1,956	799	761	786	999
Other toys							56	6,407	4,449	3,297	3,611	3,598
Dice, dominoes, chips, etc								137	154	82	85	101
Athletic and sporting goods—												
Fishing rods, reels, hooks, bait, etc							156	448	394	359	356	388
Golf balls								1,468	1,058	1,166	1,377	1,234
Other balls for games								397	290	382	471	462
Other athletic and sporting goods												
E. Firearms									744	547	540	459

G. Books and other printed matter.										10,061	13,378	14,428	13,161
Books and pamphlets in foreign languages										1,453	1,798	2,138	1,648
Books, maps, music, etc., 20 years old										1,912	3,460	2,769	2,483
Other books, etc. (free)										1,794	2,470	3,152	2,208
Books, pamphlets, and music, n. e. s.										2,396	2,819	3,764	4,068
Maps, charts, and other printed matter, n. e. s.										850	893	571	782
Lithographic prints—													
Cigar bands, labels, and flaps....1,000 lbs.										141	147	190	273
Decalcomanias.....do.										362	458	607	513
All other.....										1,016	1,333	1,231	1,226
H. Clocks, watches, etc.										13,083	19,859	14,986	16,626
Chronometers, clocks, and parts										1,580	786	1,044	1,163
Watches and watch movements...thousands										4,762	7,270	10,417	11,330
Cases, dials, and parts of watches, n. e. s.										3,313	3,061	1,415	1,589
Jewels for watches, clocks, meters, or compasses										1,355	1,471	1,783	1,244
Recorders, meters, regulators, and similar instruments, n. s. p. f.										109	272	327	300
I. Art works										31,719	46,874	53,464	60,427
The production of American artists										209	256	195	371
Original paintings, statuary, etc.										6,778	8,331	8,226	11,827
Statuary, regalia, etc., for religious or educational purposes										1,083	1,213	1,563	1,669
Works of art 100 years old										21,977	36,091	41,494	44,799
Works of art for exhibition, presentation to public institutions, etc.										1,282	571	1,441	1,061
All other art works										326	413	544	694
J. Miscellaneous articles, n. e. s.										69,079	66,345	67,367	63,086
Buttons—													
Pearl or shell.....1,000 gross										489	404	511	375
Agate, horn and glass.....do.										518	708	660	759
All other.....										826	886	461	280
Matches—													
In boxes containing not more than 100 matches.....1,000 gross										2,128	2,217	2,123	2,167
All other.....										70	61	39	50
Beads and bead ornaments—													
Imitation pearl beads										2,383	2,419	1,086	2,067
Other beads.....										4,976	2,188	1,183	1,278
Articles chief value beads										3,783	2,629	2,025	962
Pipes and smokers' articles										1,647	1,695	2,135	2,213
Brushes—													
Tooth.....1,000 doz.										660	432	494	326
Other toilet.....do.										305	332	601	487
Other brushes.....do.										741	710	985	689
Pyroxylin products, celluloid, pyralin, etc.										1,633	1,792	2,864	2,715
Pencils.....1,000 gross										556	672	684	707

<sup>a</sup> Average for years 1912-1914.

<sup>b</sup> Average for years 1911-1914.

<sup>c</sup> Oct. 4, 1913, to June 30, 1914.

<sup>d</sup> Prior to Oct. 4, 1913, limited to those at least 20 years old.

<sup>e</sup> Includes cigarette books, covers, and paper for years 1910-1912.

## No. 505.—IMPORTS OF MERCHANDISE, BY COMMODITY GROUPS AND AREAS—Continued

Group and article	Quantity						Value in thousands of dollars					
	1914-1914	1914	1923	1928	1927	1919-1914	1929	1931	1936	1937	1937	
9.—MISCELLANEOUS—Continued												
3. Miscellaneous articles—Continued.												
Pens and penholders.....							483	349	608	441	701	
All other dutiable articles.....						1,749	2,398	4,357	1,475	1,793	6,895	
Household and personal effects, etc., of persons arriving in the United States.....						4,079	11,443	9,868	3,339	1,364	7,768	
Articles, imported under bond, for export within 6 months.....							4,130	4,703	4,896	1,303	1,302	
Articles the growth products, or manufacture of the United States, returned—												
Automobiles.....number.....	643	516	397	305	191	1,499	2,393	794	304	374	283	
Containers.....thousands.....		5,626	7,521	5,279	2,276	17,306	4,133	4,510	5,051	4,596	5,057	
All other.....		3,942					27,049	21,003	21,792	24,443	26,036	
Articles imported under special provisions, n. e. s.....							399	1,094	1,006	389	1,097	
Product of the Philippine Islands, n. e. s.....							12	9	19	21	19	
Product of the Virgin Islands, n. e. s.....							3	3	4	1	15	
Product of Cuba, n. e. s.....							3			3	3	
All other free articles.....						579	1,391	1,067	1,149	1,899	2,746	

**7161-1161 1700 1911-1914**

# No. 506.—IN TRANSIT AND TRANSSHIPMENT TRADE OF THE UNITED STATES: BY CONTINENTS AND PRINCIPAL COUNTRIES

[Values in thousands of dollars]

Year ended Dec. 31	North America		South America		Europe		Asia and Oceania	
	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to
1919	210,570	65,264	9,399	11,137	15,998	154,958	22,129	23,121
1920	193,222	92,107	9,458	11,149	34,487	141,212	26,646	18,698
1921	194,954	41,969	6,023	6,816	19,884	175,432	17,258	12,739
1922	233,412	50,504	10,032	8,199	19,912	204,690	12,457	10,789
1923	299,846	70,536	14,978	16,325	28,245	246,098	17,139	21,522
1924	252,056	67,198	16,543	18,058	22,350	194,974	15,586	21,447
1925	332,964	68,471	15,753	28,180	27,274	262,640	15,954	26,832
1926	300,070	82,115	14,905	32,413	35,918	219,962	24,097	25,904
1927	371,419	91,265	17,050	30,908	30,552	274,524	14,735	29,631
	Africa		Canada		Mexico		Cuba	
1919	1,054	4,649	177,603	36,981	7,366	6,020	12,694	12,316
1920	1,194	3,045	157,657	51,000	8,842	7,921	11,445	18,928
1921	496	1,669	181,221	21,419	3,663	5,604	3,937	7,586
1922	513	2,133	214,662	27,978	6,516	6,913	5,464	8,692
1923	1,145	5,572	273,861	26,755	8,018	7,987	6,728	14,630
1924	651	5,529	226,410	32,271	9,383	9,803	6,001	13,941
1925	905	6,768	308,133	24,701	9,165	9,731	6,963	18,076
1926	1,614	6,219	275,891	37,748	7,849	11,574	7,318	17,554
1927	1,807	9,215	336,611	38,009	13,339	12,502	10,010	23,427
	Argentina		Peru		United Kingdom		Belgium	
1919	3,324	4,782	1,471	409	7,948	84,926	60	2,712
1920	3,973	2,672	1,542	741	19,347	53,917	779	12,251
1921	602	2,342	2,693	340	11,191	90,022	564	9,835
1922	1,446	3,378	3,619	169	11,293	101,437	374	12,161
1923	3,693	7,218	6,142	265	16,802	104,018	798	15,909
1924	3,342	8,197	6,621	474	11,273	96,822	806	14,442
1925	2,378	12,206	7,500	968	13,080	121,729	1,086	16,453
1926	3,610	10,446	5,349	1,287	10,875	92,081	1,612	16,139
1927	3,906	13,117	7,211	1,406	11,177	149,926	2,277	13,692
	France		Netherlands		Germany		Italy	
1919	3,574	19,779	296	3,670	26	220	1,035	22,423
1920	4,047	11,306	1,934	11,446	988	6,713	2,266	9,135
1921	1,442	10,712	1,628	8,971	1,305	6,791	928	19,715
1922	1,463	11,419	1,941	16,174	1,987	7,606	■	27,639
1923	2,450	16,526	2,140	28,653	1,707	13,196	1,638	27,464
1924	1,751	13,495	2,776	13,221	2,047	21,366	1,348	15,544
1925	2,067	14,477	3,806	17,546	2,989	30,025	2,021	22,671
1926	1,712	7,632	3,038	22,221	3,842	32,923	1,700	12,670
1927	1,630	14,098	3,645	22,123	5,482	29,235	1,953	18,900

# No. 507.—IN TRANSIT AND TRANSSHIPMENT TRADE: BY CUSTOMS REGIONS THROUGH WHICH SHIPPED

[Values in thousands of dollars]

Year ended Dec. 31	Total	Atlantic Coast				Gulf coast	Mexican border	Pacific coast	Northern border
		Total <sup>1</sup>	Maine and New Hampshire	New York	Philadelphia				
1919	259,149	204,580	64,580	90,613	3,363	1,497	2,723	21,038	29,291
1920	266,207	199,185	53,659	117,595	9,768	2,630	2,911	■	42,644
1921	238,606	209,753	29,864	137,835	22,845	347	2,628	10,103	15,774
1922	276,325	245,141	18,206	155,074	30,110	857	3,406	10,396	16,025
1923	300,354	313,784	20,787	215,601	30,179	1,176	2,516	14,546	28,261
1924	307,107	261,586	15,691	196,345	21,320	580	4,491	17,681	22,868
1925	392,871	386,535	13,491	276,581	36,497	170	3,006	16,566	16,565
1926	366,693	314,645	15,296	241,480	34,527	235	3,912	21,987	26,916
1927	435,564	332,512	10,575	296,704	26,774	2,265	5,296	22,780	71,791

<sup>1</sup> Includes districts not specified.

## No. 508.—REEXPORTS OF FOREIGN MERCHANDISE

[NOTE.—Values expressed in thousands of dollars. Group totals are for all items in the group, only the most important of which are listed]

Group	1922	1923	1924	1925	1926	1927
Total value.....	66,667	76,778	93,335	91,125	96,939	106,512
Group 00.—Animals and animal products, edible.....	1,729	1,537	2,203	2,865	2,284	1,890
Group 0.—Animals and animal products, inedible.....	9,042	10,821	12,343	10,901	10,765	14,562
Group 1.—Vegetable food products and beverages.....	18,214	17,721	21,963	20,693	20,693	19,817
Group 2.—Other vegetable products, except fibers and wood.....	10,074	12,514	14,213	25,986	27,820	30,571
Group 3.—Textiles.....	16,188	24,683	32,842	21,978	24,202	25,656
Group 4.—Wood and paper.....	1,276	749	751	594	623	729
Group 5.—Nonmetallic minerals.....	669	1,276	622	488	1,691	728
Group 6.—Metals, and manufactures of, except machinery and vehicles.....	1,454	1,329	1,967	1,810	2,934	3,161
Group 7.—Machinery and vehicles.....	768	407	487	505	422	528
Group 8.—Chemicals and related products.....	2,198	1,612	1,737	1,335	1,381	1,763
Group 9.—Miscellaneous.....	5,075	4,129	4,206	4,570	5,561	7,108

Article	1927		Article	1927	
	Quantity	Value		Quantity	Value
GROUP 00			GROUP 2		
Butter..... M pounds.....	165	61	Rubber, crude..... M pounds.....	62,215	24,735
Cheese..... do.....	582	165	Balata..... do.....	140	58
Fish (total)..... do.....	11,691	1,111	Gums (total)..... do.....	3,662	936
Herring..... do.....	3,738	166	Shellac..... do.....	746	347
Cod, haddock, hake, and pollock..... M pounds.....	5,335	381	Damar, kauri, and copal..... do.....	1,721	265
Eggs, frozen, dried, etc..... do.....	1,461	285	Vegetable drugs..... do.....	1,040	370
Sausage casings..... do.....	166	118	Copra..... do.....	4,829	250
GROUP 0			Oils expressed (total)..... do.....	18,421	1,967
Hides and skins, except fur skins (total)..... M pounds.....	25,480	6,515	Chinese wood oil..... do.....	5,287	743
Cattle hides..... do.....	18,284	3,951	Coconut oil..... do.....	5,857	496
Calfskins..... do.....	3,695	1,311	Palm and palm-kernel oil..... do.....	3,749	295
Goatskins..... do.....	641	356	Vegetable wax..... do.....	843	210
Sheepskins..... do.....	1,576	561	Essential oils..... do.....	121	146
Leather..... do.....		508	Dyeing and tanning materials of vegetable origin..... M pounds.....	878	113
Furs:			Seeds except oil seeds..... do.....	1,521	165
Undressed..... thousands.....	5,994	5,582	Tobacco (total)..... do.....	1,578	1,280
Dressed..... do.....	310	544	Cigar wrapper leaf..... do.....	331	496
Horses..... number.....	140	116	Other leaf..... do.....	1,160	737
Bristles..... M pounds.....	233	309	Vegetable ivory (tagua nuts)..... do.....	2,418	86
Shells, unmanufactured..... do.....	1,180	163	GROUP 3		
Sponges..... do.....	206	145	Cotton (total)..... do.....		3,277
GROUP 1			Unmanufactured..... M pounds.....	10,356	2,393
Grains and preparations of (total)..... do.....		941	Cloth..... M sq. yds.....	535	126
Corn..... M bushels.....	418	351	Wearing apparel..... do.....		258
Rice, cleaned..... M pounds.....	9,772	431	Burlaps..... M pounds.....	3,008	405
Wheat..... M bushels.....	14	18	Jute bags..... do.....	4,913	474
Wheat flour..... M barrels.....	3	20	Hemp..... tons.....	3	589
Vegetables (total)..... do.....		3,353	Manufactures of flax, hemp, or ramie..... do.....		300
Beans..... M bushels.....	288	796	Manila, or abaca..... tons.....	1	397
Peas..... do.....	606	2,060	Sisal and henequen..... do.....	31	5,422
Fruits (total)..... do.....		6,942	Kapok..... do.....	143	72
Bananas..... M bunches.....	3,209	5,925	Hat braid of straw or fiber..... M yds.....	53,069	183
Pineapples..... M boxes.....	83	245	Hats of straw, palm leaf, or other fiber..... thousands.....	659	337
Dates..... M pounds.....	2,873	322	Wool (total)..... do.....	11,410	4,552
Nuts (total)..... do.....		717	Carpet wool..... do.....	384	126
Cream and Brazil..... M pounds.....	693	100	Clothing wool..... do.....	1,169	537
Walnuts..... do.....	368	99	Combining wool..... do.....	9,156	3,597
Peanuts..... do.....	8,422	359	Mohair, alpaca, etc..... do.....	701	292
Cacao beans..... do.....	11,412	1,808	Wool manufactures (total)..... do.....		1,046
Coffee..... do.....	14,579	2,971	Wool rags, noils, waste..... do.....		
Tea..... do.....	651	256	..... M pounds.....	480	174
Spices (total)..... do.....	4,422	1,226	Wool cloths and dress goods..... M pounds.....	190	222
Nutmegs..... do.....	373	115	..... do.....	47	391
Pepper..... do.....	1,139	305	Wool carpets and rugs..... M sq. yds.....		
Vanilla beans..... do.....	58	126			
Sugar..... do.....	32,334	1,427			

No. 508.—REEXPORTS OF FOREIGN MERCHANDISE—Continued  
[Values expressed in thousands of dollars]

Article	1927		Article	1927	
	Quan- tity	Value		Quan- tity	Value
GROUP 3—Continued			GROUP 6—Continued		
Hair and manufactures. M pounds.....	392	157	Lead pigs, bars, and old		
Silk (total).....do.....		7,569	.....M pounds.....	7,551	303
Silk, raw.....do.....	1,301	6,272	Tin in bars, blocks, or pigs.....do.....	2,753	1,729
Spun silk.....do.....	55	250	GROUP 7		
Silk fabrics (broad silk).....do.....	74	484	Electrical machinery and appara- tus.....M pounds.....		55
Silk wearing apparel.....do.....	27	368	Textile machinery and parts.....do.....	233	94
Artificial silk and manufactures .....M pounds.....	394	377	Other machinery, except agricul- tural.....M pounds.....		164
GROUP 4			Automobiles and chassis.....number.....	29	61
Wood (total).....		541	GROUP 8		
Cabinet wood logs.....M feet.....	2	233	Chemicals (total).....		741
Paper.....M pounds.....	732	130	Coal-tar colors or dyes .....M pounds.....	129	228
GROUP 5			Medical and pharmaceutical preparations.....M pounds.....		105
Petroleum and products .....M gallons.....	4	41	Nitrate of soda.....ton.....	12	655
Mineral wax.....M pounds.....	3,094	175	GROUP 9		
Asbestos, unmanufactured.....ton.....	359	57	Photographic goods.....M lin. feet.....	2,681	307
Mica and manufactures of .....M pounds.....	80	58	Art works, paintings, and statu- ary.....M pounds.....		4,857
Clay and clay products.....		78			
GROUP 6					
Iron and steel.....		480			
Copper ingots, bars, etc.....	995	131			

No. 509.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION: By TARIFF SCHEDULES

[NOTE.—All figures except percentages in thousands of dollars. Figures cover fiscal years to and including 1918, calendar thereafter. Per cents represent the average ad valorem rate or ratio of duties to values of dutiable merchandise]

Year	Schedule A.—Chemicals, oils, and paints			Schedule B.—Earths, earthenware, and glassware			Schedule C.—Metals, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1902.....	29,992	8,500	28.34	21,424	11,365	53.05	38,870	14,973	38.52
1903.....	31,250	8,981	28.74	25,735	13,320	51.76	65,165	22,368	34.33
1904.....	30,809	8,814	28.61	24,704	13,163	53.28	40,011	15,682	39.20
1905.....	31,011	8,845	28.52	23,126	12,194	52.73	36,327	14,449	39.77
1906.....	33,482	9,665	28.87	26,590	13,749	51.71	50,917	18,770	36.86
1907.....	40,246	11,124	27.64	31,306	15,350	49.03	67,149	21,882	32.59
1908.....	39,127	10,530	26.91	26,224	13,251	50.53	45,280	16,004	35.34
1909.....	42,937	11,218	26.13	21,148	10,642	50.32	41,103	15,656	38.09
1910.....	42,022	11,072	26.41	24,774	12,468	50.33	66,961	22,333	33.35
1911.....	48,869	12,564	25.71	24,495	12,660	51.72	58,757	18,869	32.11
1912.....	47,236	12,240	25.91	21,994	11,156	50.72	50,492	17,346	34.35
1913.....	49,387	13,017	26.36	23,002	11,385	49.50	64,300	20,514	31.90
1914.....	60,314	13,100	21.72	25,222	10,187	40.39	50,743	12,190	24.02
1915.....	54,098	11,222	20.74	18,142	6,805	37.51	31,836	6,990	21.96
1916.....	52,806	9,309	17.63	13,024	4,677	35.91	33,245	6,309	18.98
1917.....	65,614	12,056	18.37	13,531	4,614	34.10	33,914	7,038	20.75
1918.....	65,762	10,507	15.98	13,444	4,707	35.01	33,227	6,813	20.51
1918 (6 months).....	27,216	4,308	15.83	5,783	2,065	35.71	16,622	3,451	20.76
1919.....	108,151	13,922	12.87	14,933	5,009	33.55	43,186	8,672	20.08
1920.....	120,319	15,335	12.75	30,257	9,241	30.54	83,337	16,677	20.01
1921.....	64,753	14,144	21.84	28,591	9,864	34.50	62,793	13,672	21.77
1922.....	88,471	22,102	24.98	40,526	14,001	34.56	82,105	20,468	24.93
1923.....	90,123	26,969	29.95	60,182	23,526	39.09	103,307	35,013	33.89
1924.....	77,015	24,492	31.80	54,481	22,098	40.56	96,768	35,240	36.21
1925.....	93,746	27,465	29.30	56,391	24,529	43.50	113,684	38,961	34.27
1926.....	96,326	28,681	29.17	61,089	28,908	47.32	147,010	48,528	33.01
1927.....	98,312	27,997	28.48	58,200	28,217	48.48	135,403	47,179	34.84



# No. 509.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION: By TARIFF SCHEDULES—Continued

[All figures except percentages in thousands of dollars]

Year	Schedule D.—Wood, and manufactures of			Schedule E.—Sugar, molasses, and manu- factures of			Schedule F.—Tobacco, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1902	14,556	2,573	17.67	61,116	53,041	86.79	16,332	18,756	114.85
1903	16,659	2,815	16.90	65,989	63,626	96.46	18,299	21,892	119.68
1904	14,450	2,464	17.05	77,898	53,152	74.65	17,576	21,176	118.46
1905	18,708	2,750	16.46	91,577	51,442	56.17	20,725	22,690	109.46
1906	22,761	3,650	16.04	89,133	52,649	61.12	22,917	28,928	126.41
1907	24,472	3,701	15.12	92,784	60,339	65.08	29,969	28,125	97.20
1908	28,350	3,301	14.14	83,627	50,168	59.99	26,495	22,169	83.64
1909	28,265	3,141	13.49	93,479	56,414	60.35	27,332	28,299	103.54
1910	27,499	3,185	11.59	104,587	53,105	52.28	29,551	24,124	81.55
1911	24,710	3,969	11.98	97,577	52,899	52.95	22,798	28,169	123.52
1912	24,415	3,043	12.46	106,745	50,951	48.18	31,116	29,572	95.16
1913	27,851	3,408	12.24	91,448	53,482	58.48	32,438	24,748	76.26
1914	12,182	1,619	13.29	108,255	61,870	57.15	32,332	28,892	89.37
1915	4,457	709	15.90	157,571	49,608	31.48	29,499	24,875	84.33
1916	4,563	690	14.40	206,512	55,876	27.19	39,195	27,551	70.34
1917	5,207	756	14.52	243,354	55,471	22.79	37,300	22,637	60.79
1918	4,412	636	14.41	240,380	49,093	20.42	31,963	21,961	68.76
1918 (6 months)	1,675	218	12.99	57,180	18,260	30.98	28,339	12,270	43.42
1919	6,090	852	13.99	267,283	63,609	17.72	51,699	27,563	53.41
1920	18,367	1,979	14.81	929,467	79,526	8.56	63,816	33,695	52.80
1921	9,894	1,546	15.63	283,451	71,225	25.15	66,614	35,950	53.97
1922	12,174	2,373	19.52	282,941	147,939	52.32	62,415	31,789	51.08
1923	12,290	4,001	32.65	253,873	128,054	50.45	64,851	35,831	55.22
1924	18,115	4,161	23.00	337,862	125,905	37.26	67,530	33,941	50.26
1925	18,570	4,164	22.42	221,347	129,108	58.34	63,943	35,428	55.42
1926	18,004	4,307	23.92	205,659	146,591	71.28	70,799	38,076	53.79
1927	19,879	4,585	23.07	222,703	131,199	58.91	68,632	40,016	58.31
Year	Schedule G.—Agricultural products and provisions <sup>1</sup>			Schedule H.—Spirits, wines, and other bev- erages			Schedule I.—Cotton manufactures		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1902	43,682	16,013	36.66	15,368	10,562	68.73	21,129	10,423	49.33
1903	46,221	16,282	35.23	16,785	11,647	69.39	25,332	11,944	47.15
1904	49,014	16,891	34.46	17,120	12,106	70.71	23,442	11,035	47.07
1905	47,570	15,418	32.41	17,912	12,548	70.05	22,027	10,409	47.26
1906	53,869	18,127	33.46	19,669	14,010	71.22	26,656	12,293	46.12
1907	63,721	19,204	30.14	23,063	16,318	70.69	31,857	14,285	44.84
1908	69,610	21,619	31.06	21,420	15,213	71.02	31,577	13,878	43.95
1909	71,719	23,633	32.95	23,382	16,144	69.05	26,228	11,666	44.48
1910	84,873	25,161	29.64	25,316	18,114	71.55	28,311	13,619	48.11
1911	105,974	28,744	27.12	20,355	17,299	84.99	26,204	12,326	47.04
1912	117,711	34,146	29.01	20,731	17,410	83.98	24,358	11,085	45.51
1913	99,798	27,755	27.81	22,372	19,476	87.05	25,057	11,062	44.14
1914	122,305	24,817	20.29	21,764	19,675	90.40	32,529	9,260	28.47
1915	87,673	18,036	20.57	14,393	13,405	93.14	24,065	6,442	26.81
1916	94,635	16,164	17.08	17,330	15,551	89.73	24,245	5,969	24.62
1917	132,718	17,916	13.50	18,612	13,586	73.00	36,417	8,260	22.68
1918	125,360	14,595	11.64	10,563	7,038	66.63	30,947	6,872	22.21
1918 (6 months)	49,322	5,547	11.25	3,109	1,628	52.36	13,622	3,106	22.80
1919	161,168	15,803	9.80	2,338	1,194	51.08	33,220	7,716	23.23
1920	253,569	24,521	9.70	2,543	1,157	45.52	89,275	21,185	23.74
1921	156,497	26,206	16.75	3,197	1,515	47.37	58,414	15,242	26.09
1922	199,479	42,505	21.31	2,657	1,111	41.83	73,335	20,017	27.34
1923	236,976	61,578	25.98	1,371	613	44.67	68,207	21,946	32.18
1924	235,198	60,093	25.55	1,065	431	40.47	59,981	18,083	30.15
1925	259,917	60,568	23.30	1,161	492	42.38	49,999	15,347	30.69
1926	270,063	64,373	23.84	1,150	450	39.13	39,842	13,666	34.30
1927	284,253	64,072	22.54	1,350	465	34.44	40,461	14,561	35.99

<sup>1</sup> Potatoes, dutiable under paragraph 581, and wheat and products, dutiable under paragraph 644, tariff act of 1913, are included, beginning with 1914.

**No. 509.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION:  
BY TARIFF SCHEDULES—Continued**

[All figures except percentages in thousands of dollars]

Year	Schedule J.—Flax, hemp, and jute, and manufactures of <sup>1</sup>			Schedule K.—Wool, and manufactures of			Schedule L.—Silks and silk goods		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1902	68,133	30,095	45.05	35,364	26,397	74.64	32,242	17,293	53.64
1903	71,298	33,191	46.55	40,560	29,196	71.98	36,048	19,277	53.47
1904	71,460	32,898	46.04	39,963	27,252	68.19	31,483	16,610	52.76
1905	73,284	33,769	46.08	53,465	33,078	61.87	31,823	17,010	53.45
1906	92,055	41,777	45.38	63,265	37,969	60.02	32,592	17,351	53.24
1907	114,124	49,891	43.72	62,832	36,561	58.19	38,817	20,314	52.33
1908	96,177	41,922	43.59	45,822	28,845	62.95	31,755	16,493	51.94
1909	91,210	42,145	46.21	52,814	33,365	63.17	31,001	16,284	52.53
1910	106,375	49,735	46.75	70,745	41,906	59.23	32,296	17,024	52.71
1911	99,402	47,053	47.34	48,395	28,983	59.89	30,994	16,053	51.80
1912	108,698	49,062	45.14	48,361	27,072	55.98	26,572	13,695	51.54
1913	116,587	48,912	41.95	45,336	25,833	56.98	29,224	14,812	50.68
1914	56,471	19,913	35.26	39,265	16,957	43.19	34,040	15,377	45.17
1915	30,051	8,795	29.27	30,428	9,912	32.56	23,098	9,810	42.47
1916	30,944	8,619	27.85	18,353	6,129	33.39	28,306	11,928	42.14
1917	29,130	8,209	28.19	21,184	7,081	33.43	35,124	14,655	41.72
1918	26,587	7,209	27.08	27,048	8,956	33.11	24,474	10,067	41.13
1918 (6 months)	10,873	2,682	24.67	9,827	2,962	30.14	10,749	4,306	40.07
1919	27,187	6,553	24.10	18,123	5,695	31.42	49,684	20,276	40.81
1920	52,926	13,362	25.25	49,800	16,720	33.57	55,793	21,773	39.02
1921	36,828	10,118	27.47	52,410	18,307	34.93	45,055	18,576	41.23
1922	63,505	15,999	25.19	79,956	48,225	60.31	36,653	16,622	45.35
1923	121,126	24,632	20.34	162,016	91,466	56.45	40,794	21,692	53.18
1924	117,216	26,121	22.28	123,904	62,582	50.51	33,234	17,629	53.05
1925	143,723	25,684	17.87	162,458	71,019	43.71	40,304	21,388	53.07
1926	145,168	26,737	18.42	148,187	73,965	49.91	44,138	24,074	54.54
1927	126,524	26,525	20.96	127,707	67,219	52.64	51,293	28,815	56.18
Year	Schedule M.—Pulp, papers and books			Schedule N.—Sundries <sup>2</sup>			Tea		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1902	8,048	1,896	23.56	86,668	20,181	23.29	10,327	7,883	76.33
1903	9,908	2,221	22.28	96,423	20,843	21.18	3,028	2,178	71.93
1904	10,771	2,379	22.09	78,681	18,767	23.85			
1905	11,975	2,526	21.09	92,513	20,771	22.45			
1906	14,174	3,021	21.31	119,640	26,601	22.23			
1907	20,005	4,136	20.67	133,093	29,892	22.45			
1908	22,335	4,415	19.75	94,616	24,475	25.87			
1909	22,765	4,412	19.39	113,862	26,387	23.17			
1910	24,833	5,285	21.28	120,594	29,134	24.16			
1911	26,111	5,645	21.62	109,050	27,448	25.17			
1912	22,828	4,887	21.41	108,953	26,932	24.72			
1913	24,899	5,091	20.45	128,018	30,759	24.03			
1914	13,999	3,114	22.25	144,588	48,539	33.57			
1915	9,386	1,989	21.19	100,817	37,159	36.86			
1916	6,491	1,258	19.38	123,485	39,496	31.98			
1917	8,036	1,682	20.92	134,558	40,286	29.94			
1918	6,368	1,185	18.60	106,803	30,568	28.62			
1918 (6 months)	2,759	460	16.67	44,035	12,653	28.73			
1919	6,797	1,106	16.27	206,447	54,433	26.37			
1920	10,488	1,749	16.68	233,908	68,704	29.37			
1921	8,902	1,672	18.78	165,192	54,222	32.82			
1922	12,806	2,776	21.67	197,513	65,370	33.09			
1923	19,217	4,667	24.29	226,319	86,647	38.29			
1924	18,729	4,813	25.70	215,846	86,695	40.17			
1925	18,682	4,416	23.60	217,279	83,288	38.33			
1926	21,463	5,241	24.42	229,078	86,448	37.74			
1927	22,138	5,417	24.47	226,117	88,624	39.19			

<sup>1</sup> Laces, embroideries, etc., formerly included in Schedule J prior to 1914 are, under the law of Oct. 3, 1913, included in Schedule N, beginning 1914.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

CHICAGO, ILLINOIS

1954

1955

1956

1957

1958

1959

1960

1961

1962

1963

1964

1965

1966

1967

## 23.—COMMERCE OF NONCONTIGUOUS TERRITORIES

[GENERAL NOTE.—In the general foreign-trade statistics of the United States presented in the preceding section, the Philippines and Virgin Islands are treated as foreign countries and their trade with the United States is included while their trade with other countries is not included. On the other hand, Porto Rico, Hawaii, and Alaska are treated as integral parts of the United States, so that trade between them and Continental United States is not included, while trade between them and foreign countries is included; each of these three possessions appears as a separate customs district (Table 498). Neither trade of American Samoa and Guam with foreign countries nor shipments between them and United States are included in the general tables on foreign trade. See also Table 478, p. 444.

In the present section the trade of each of these possessions with the United States (including other non-contiguous possessions except the Philippines) is shown, and separately its trade with foreign countries (including the Philippines) ]

### No. 510.—IMPORTS AND EXPORTS OF ALASKA

[NOTE.—In 1927 Alaska shipped \$250,731 worth of domestic silver to the United States]

Yearly average or year ended—	Merchandise imports			Merchandise exports			Shipments domestic gold to United States
	From United States <sup>1</sup>	From other countries	Total	To United States	To other countries	Total	
June 30—	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
1882-1885	680,250	9,198			24,955		
1886-1890	1,455,600	23,697			8,748		
1891-1895	2,422,600	42,539			15,526		
1896-1900	9,843,000	185,162			185,099		
1901	13,457,000	557,992			2,534,318		
1902		511,830			2,612,021		
1903	9,509,701	477,463	9,987,164	10,398,599	1,612,128	11,840,697	
1904	10,185,110	607,355	10,772,465	10,163,140	1,565,690	11,730,830	6,347,742
1905	11,504,255	1,450,910	12,955,165	10,801,446	1,088,165	11,889,611	9,050,028
1906	14,889,827	845,291	15,715,118	9,272,337	1,277,398	10,649,735	12,038,008
1907	18,402,765	1,134,191	19,536,956	12,155,198	1,480,666	13,644,864	18,564,229
1908	16,577,903	776,974	17,354,877	10,967,777	1,867,905	12,835,682	11,490,777
1909	17,762,600	647,321	18,409,921	13,110,910	961,101	14,072,011	17,782,493
1910	18,670,339	619,345	19,289,687	12,440,380	1,168,014	13,608,394	18,393,128
1911	16,205,720	700,171	16,911,901	14,055,329	1,136,745	15,192,074	15,152,671
1912	19,417,227	563,503	19,980,730	21,778,054	1,010,072	22,788,136	17,250,019
1913	20,827,262	982,271	21,809,533	24,634,987	1,477,991	26,112,978	14,578,016
1914	22,461,723	567,399	23,029,122	21,817,408	1,124,239	22,941,647	12,291,672
1915	21,200,042	640,886	21,840,928	27,442,335	1,001,380	28,443,724	15,348,006
1916	27,046,268	1,086,612	28,132,880	49,468,186	1,426,362	50,894,548	16,195,636
1917	38,992,049	1,469,524	40,461,573	60,773,850	2,474,894	63,248,753	15,409,620
1918	44,280,075	967,532	45,247,607	71,595,414	2,462,470	74,057,884	12,416,000
Dec 31							
1918 (6 mos.)	11,678,122	863,515	12,541,637	62,992,302	763,285	63,755,487	6,671,848
1919	37,476,232	1,449,362	38,925,594	60,479,548	1,842,249	62,021,797	8,015,005
1920	36,876,855	1,512,116	38,388,973	60,939,061	1,530,035	62,469,096	6,543,313
1921	19,274,215	935,013	20,209,228	36,916,924	1,445,042	38,361,966	6,543,430
1922	26,777,808	870,927	27,648,733	51,082,995	1,371,490	52,454,485	6,640,978
1923	30,631,366	514,466	31,145,832	53,761,494	1,325,773	55,087,267	5,931,896
1924	32,046,273	529,616	32,575,891	54,974,168	1,351,380	56,325,548	4,602,746
1925	32,352,530	846,961	33,199,511	56,918,746	901,543	57,820,289	5,219,542
1926	31,987,337	543,683	32,531,020	73,300,506	521,881	73,822,387	5,742,076
1927	35,604,108	766,302	36,370,410	51,223,950	483,679	51,707,629	5,394,197

<sup>1</sup> Unofficial estimates of the value of merchandise shipped from Pacific coast ports to Alaska from 1882 to 1901, from 1903 to date, official figures of shipments to Alaska.

Source: Bureau of Foreign and Domestic Commerce.

## No. 511.—IMPORTS AND EXPORTS OF PORTO RICO

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
<b>June 30:</b>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1901	6,965,408	1,952,728	8,918,136	5,641,137	3,002,679	8,643,816
1902	10,882,653	2,326,957	13,209,610	8,378,766	4,055,190	12,433,956
1903	12,345,845	2,203,441	14,549,286	11,051,195	4,037,884	15,089,079
1904	11,210,060	1,958,969	13,169,029	11,722,826	4,343,077	16,065,903
1905	13,974,070	2,562,189	16,536,259	15,633,145	3,076,420	18,709,565
1906	19,224,881	2,602,784	21,827,665	19,142,461	4,115,069	23,257,530
1907	25,686,285	3,580,887	29,267,172	22,070,133	4,926,167	26,996,300
1908	22,677,376	3,148,289	25,825,665	25,891,261	4,753,209	30,644,470
1909	23,618,545	2,925,781	26,544,326	26,394,312	3,998,913	30,393,225
1910	27,097,654	3,537,201	30,634,855	32,095,897	5,864,617	37,960,514
1911	34,671,958	4,115,039	38,786,997	34,765,409	5,152,958	39,918,367
1912	38,470,963	4,901,928	42,972,891	42,873,401	6,832,012	49,705,413
1913	33,155,005	3,745,057	36,900,062	40,538,623	8,564,942	49,103,565
1914	32,568,388	3,638,419	36,206,807	34,423,180	8,679,582	43,102,762
1915	30,929,831	2,954,465	33,884,296	42,311,920	7,044,987	49,356,907
1916	35,892,515	3,068,400	38,960,915	60,952,758	5,634,937	66,587,695
1917	49,539,249	4,008,975	53,548,224	73,115,224	7,855,680	80,970,904
1918	58,945,758	4,443,524	63,389,282	65,515,650	8,753,450	74,269,100
<b>Dec. 31:</b>						
1918 (6 months)	25,668,096	1,796,219	27,464,315	31,333,827	3,733,065	35,066,892
1919	67,799,541	5,261,052	73,060,593	78,320,180	11,075,625	89,395,805
1920	121,551,574	7,512,404	129,073,978	158,322,053	16,346,667	174,668,720
1921	60,977,112	7,377,251	68,354,363	71,987,716	6,753,999	78,741,705
1922	57,968,112	6,849,088	64,817,200	60,105,155	5,012,292	65,117,447
1923	76,919,616	7,547,504	84,467,120	80,303,272	5,768,723	86,071,995
1924	78,412,003	9,337,444	87,749,447	77,330,748	7,397,792	84,728,540
1925	77,499,807	11,620,875	89,120,682	92,679,754	7,053,295	99,733,049
1926	84,737,537	12,664,064	97,401,601	90,165,856	7,579,694	97,745,550
1927	86,329,908	11,264,383	97,594,291	96,902,024	7,557,741	104,459,765

## No. 512.—IMPORTS AND EXPORTS OF HAWAII

Year ended	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
<b>June 30:</b>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1901	(1)	2,835,278	(2)	27,903,058	129,211	28,032,269
1902	(1)	3,036,583	(1)	24,730,060	63,547	24,793,607
1903	10,943,063	3,142,013	14,085,076	26,242,869	32,569	26,275,438
1904	11,683,393	3,797,641	15,481,034	25,157,255	47,620	25,204,875
1905	11,763,180	3,614,964	15,378,144	36,112,055	59,541	36,171,596
1906	12,036,673	3,275,242	15,311,917	26,882,189	56,313	26,938,502
1907	14,435,725	4,151,700	18,587,424	29,071,813	229,914	29,301,727
1908	15,038,155	4,682,399	19,720,554	41,640,565	597,610	42,238,175
1909	17,780,778	4,033,574	21,814,352	40,432,945	84,162	40,517,097
1910	20,560,101	4,806,334	25,366,435	46,183,285	306,703	46,490,028
1911	21,925,177	5,190,449	27,115,626	41,207,651	730,642	41,938,293
1912	24,652,905	5,598,444	30,251,349	55,070,070	373,273	55,443,343
1913	30,646,069	6,873,531	37,519,600	42,713,184	758,618	43,471,802
1914	25,773,412	6,282,558	32,055,970	40,678,580	915,245	41,593,825
1915	25,004,704	5,716,023	30,720,727	42,087,250	377,509	42,464,759
1916	31,127,577	6,068,529	37,196,106	64,438,267	226,747	64,665,014
1917	44,330,475	6,482,951	50,813,426	73,174,343	923,747	74,098,090
1918	43,646,51	6,807,018	50,453,523	79,392,926	1,553,700	80,946,626
<b>Dec. 31:</b>						
1918 (6 months)	19,081,246	5,476,008	24,557,254	42,224,209	4,152,299	46,376,508
1919	49,983,889	8,989,704	58,973,593	98,363,015	4,702,103	103,065,118
1920	74,052,453	12,284,502	86,337,045	192,393,185	3,437,690	195,830,874
1921	64,448,173	9,526,755	73,974,928	71,689,115	1,350,183	73,039,298
1922	53,585,740	7,466,914	61,052,654	73,431,301	1,257,268	74,688,569
1923	66,421,393	8,654,834	75,076,227	101,085,642	1,581,164	102,666,806
1924	69,767,603	8,884,223	78,651,826	108,473,292	1,415,911	109,889,203
1925	72,924,409	10,826,009	83,750,418	102,780,509	1,844,782	104,625,291
1926	76,262,624	10,244,565	86,507,189	98,200,941	1,884,079	100,085,020
1927	79,630,613	9,171,815	88,802,428	106,236,321	2,267,714	108,504,035

\* No data.

Source of Tables 511 and 512. Bureau of Foreign and Domestic Commerce.

No. 513.—IMPORTS AND EXPORTS OF THE PHILIPPINE ISLANDS

Year ended—	Merchandise imports			Merchandise exports		
	From United States <sup>1</sup>	From other countries	Total	To United States	To other countries	Total
June 30	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1901	2,855,585	27,423,721	30,279,406	2,572,021	20,842,027	23,414,048
1902	4,038,243	28,105,509	32,143,752	7,891,743	18,235,936	26,127,679
1903	3,944,098	29,027,784	32,971,882	13,863,059	19,258,721	33,121,780
1904	4,633,216	28,587,645	33,220,861	11,102,775	19,147,852	30,250,627
1905	5,761,498	23,114,852	30,876,350	15,868,026	16,684,589	32,552,615
1906	4,333,893	21,465,373	25,799,266	11,579,411	20,337,723	31,917,134
1907	5,155,359	23,630,496	28,785,855	12,079,204	21,634,153	33,713,357
1908	5,079,487	25,838,870	30,918,357	10,323,233	22,493,334	32,816,567
1909	4,691,770	23,100,627	27,792,397	10,215,331	20,778,232	30,993,563
1910	10,773,301	26,292,329	37,065,630	18,741,771	21,122,398	39,864,169
1911	19,483,858	30,350,064	49,833,922	16,716,950	23,061,673	39,778,623
1912	20,604,155	33,945,825	54,549,980	21,517,777	28,802,059	50,319,836
1913	25,387,085	30,940,498	56,327,583	19,848,985	33,834,441	53,683,426
1914	28,571,821	27,439,749	56,011,570	22,047,105	29,190,943	51,238,048
1915	22,394,381	22,085,480	44,479,861	23,001,275	27,913,786	50,915,061
1916	23,804,367	22,169,258	45,973,625	28,638,526	32,825,505	61,464,031
1917	27,516,556	24,466,723	51,983,278	43,125,393	28,589,982	71,715,375
1918	49,799,229	33,964,081	83,763,310	77,010,233	39,804,378	116,814,611
Dec 31						
1918 (6 months)	31,949,240	21,671,502	53,620,742	50,920,499	24,518,800	75,439,359
1919	75,491,415	43,147,637	118,639,052	56,463,173	56,664,680	113,127,853
1920	92,289,778	57,148,505	149,438,283	105,216,263	45,907,593	151,123,856
1921	74,130,618	41,709,559	115,840,177	50,356,793	37,758,530	88,115,323
1922	47,738,326	32,459,319	80,197,645	64,111,601	31,471,697	95,583,298
1923	50,352,535	37,447,212	87,799,747	65,047,023	35,705,967	100,752,990
1924	60,399,380	47,611,515	108,010,895	97,313,903	38,030,760	135,344,663
1925	69,297,583	50,435,251	119,732,834	109,644,942	39,832,263	149,477,205
1926	71,575,618	47,723,374	119,298,992	100,003,215	36,881,105	136,884,320
1927	71,478,207	44,373,175	115,851,382	116,038,250	39,535,835	155,574,085

<sup>1</sup> The discrepancy between the United States figures of exports to the Philippines prior to 1911 and the Philippine figures of imports from the United States in corresponding periods is due chiefly to the fact that the Philippine import figures prior to that year omit merchandise imported free of duty for the use of the Government or for use in construction and equipment of railways in the islands, under the act of Feb. 6, 1905, while the United States returns omit only Government supplies carried by Government vessels.

Sources: Reports of the War Department and Annual Report of the Insular Collector of Customs.

No. 514.—IMPORTS AND EXPORTS OF AMERICAN SAMOA

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1916	100,507	17,787	118,294	62,062	.....	62,062
1917	93,626	16,668	110,294	198,496	.....	198,496
1918	94,324	51,565	145,889	118,520	.....	118,520
Dec. 31:						
1918 (6 months)	66,409	46,023	112,432	136,071	.....	136,071
1919	95,329	67,630	162,959	90,421	.....	90,421
1920	126,185	99,110	225,295	98,213	.....	98,213
1921	127,654	94,833	222,487	117,446	.....	117,446
1922	96,317	100,566	196,883	98,216	.....	98,216
1923	97,306	101,464	198,770	95,164	.....	95,164
1924	91,309	103,053	194,362	102,695	47,285	150,280
1925	93,514	96,898	190,412	26,712	123,622	150,333
1926	81,075	87,088	168,163	78,033	(1)	(1)
1927	65,086	82,491	147,577	40,852	(1)	(1)

<sup>1</sup> Not available.

Source: Returns to the Navy Department.

## No. 515.—IMPORTS AND EXPORTS OF THE VIRGIN ISLANDS

[Note.—For 1910 to 1917, figures for trade with United States cover years ended June 30, for total trade years ended Mar. 31; thereafter, all figures cover calendar years]

Year (see headnote)	Merchandise imports			Merchandise exports		
	From United States	From foreign countries	Total	To United States	To foreign countries	Total
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1910.....	740,174		1,200,774	408,906		408,906
1911.....	810,837		1,724,826	135,117		543,826
1912.....	934,700		1,063,072	480,699		543,924
1913.....	864,087		1,647,366	48,031		282,182
1914.....	890,906		1,712,108	20,374		231,108
1915.....	708,354		1,818,760	350,832		378,860
1916.....	850,377		1,222,509	61,496		290,046
1917.....	1,438,904		(1)	1,269,007		(1)
1918.....	1,640,108	252,330	1,892,439	1,137,501	111,945	1,249,346
1919.....	1,804,117	472,366	2,276,512	1,598,120	326,406	1,919,526
1920.....	3,908,478	862,619	4,764,097	4,540,290	208,083	4,740,319
1921.....	2,032,395	416,354	2,083,750	734,674	169,061	282,736
1922.....	1,647,353	362,506	2,009,951	734,476	101,029	533,806
1923.....	1,617,635	328,142	1,940,707	414,609	98,438	514,042
1924.....	1,608,496	300,228	2,033,716	394,065	97,671	461,686
1925.....	1,915,277	(1)	(1)	1,030,748	(1)	(1)
1926.....	1,798,444	(1)	(1)	819,410	(1)	(1)
1927.....	2,063,340	(1)	(1)	908,463	(1)	(1)

<sup>1</sup> Not available.

Sources: Total trade, 1910 to 1915, from Danish Yearbook; 1916, from "The Virgin Islands of the United States of America," by Luther K. Zabriski; all other figures from Bureau of Foreign and Domestic Commerce.

## No. 516.—IMPORTS AND EXPORTS OF GUAM

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
June 30						
1916.....	177,163	79,785	256,948	33,308	29,007	62,313
1917.....	114,301	172,351	286,652	46,972	33,363	80,433
1918.....	221,241	136,906	358,147	68,742	63,016	131,758
Dec. 31						
1918 (6 months).....	108,460	71,643	180,003	2,901	36,060	38,960
1919.....	308,465	138,716	447,181	49,222	15,330	64,552
1920.....	234,950	120,692	355,652	26,432	22,066	50,498
1921.....	304,111	179,573	483,684	15,696	24,776	40,342
1922.....	424,411	171,709	596,120	49,426	13,505	62,931
1923.....	456,824	217,732	674,556	77,109	16,977	94,086
1924.....	380,506	252,215	632,721	55,192	10,903	66,095
1925.....	324,619	261,216	585,835	89,219	10,735	99,954
1926.....	306,194	218,125	524,319	80,298	32,730	119,028
1927.....	222,818	196,617	418,435	183,679	41,406	224,957

Source: Returns to the Navy Department.



# No. 517.—SHIPMENTS OF PRINCIPAL PRODUCTS TO THE UNITED STATES FROM ALASKA, HAWAII, PORTO RICO, AND THE PHILIPPINE ISLANDS

[NOTE.—Totals include items not shown separately. For gold shipments from Alaska see Table 510.]

Territory and product	Quantity			Value (thousands of dollars)			
	1924	1925	1927	1924	1925	1926	1927
<b>ALASKA</b>							
Animals..... number.....	2,291	2,336	1,295	189	261	179	74
Fish..... 1,000 lbs.....	285,107	371,317	230,364	37,254	36,129	54,499	34,111
Halibut, fresh and frozen..... do.....	10,803	14,647	17,111	1,334	1,190	2,023	2,283
Salmon, fresh and frozen..... do.....	3,959	5,230	5,503	320	405	632	675
Canned salmon..... do.....	217,198	322,917	180,554	31,415	28,708	48,336	27,228
Cured or preserved fish..... do.....	50,811	26,149	25,952	2,218	4,080	2,979	3,530
Shellfish..... do.....	2,828	1,687	1,218	929	814	477	396
Other fish products:							
Meal..... tons.....	7,607	10,412	6,375	259	432	682	414
Oil..... 1,000 galls.....	2,409	3,020	2,033	614	1,016	1,350	856
Furs and fur skins..... number.....	644,217	106,577	318,668	2,729	4,255	1,549	4,266
Whale oil..... 1,000 galls.....	1,107	769	948	150	229	253	219
Copper (ore, matte, regulus)..... 1,000 lbs.....	79,271	72,000	61,464	11,241	11,529	10,772	8,510
Lead (ore, matte, regulus)..... do.....	1,542	1,562	1,975	97	137	129	133
Reindeer meat..... do.....	681	968	820	52	111	128	64
Stone, including marble..... tons.....	3,894	12,291	3,960	156	116	204	120
Wood, timber, and lumber..... M ft.....	4,331	8,528	6,243	181	256	265	221
Total Alaskan products.....				53,208	54,928	70,595	49,245
Articles produced in U. S. returned.....				1,624	1,799	2,592	1,821
Total foreign merchandise.....				143	182	114	258
Total, all merchandise.....				54,974	56,910	73,301	51,324
<b>HAWAII</b>							
Coffee..... 1,000 lbs.....	3,590	1,718	5,435	602	980	472	1,398
Fruits.....				25,602	33,863	34,229	33,843
Bananas..... bunches.....	249,185	247,886	216,733	333	246	248	217
Pineapples (canned)..... 1,000 lbs.....	402,558	410,286	408,161	25,371	33,562	33,928	33,502
Hides and skins..... do.....	1,463	1,422	1,459	176	163	139	170
Honey..... do.....	1,647	1,356	1,237	116	104	79	65
Molasses..... 1,000 galls.....	19,982	10,964	13,868	494	926	763	670
Sugar.....							
Unrefined..... 1,000 lbs.....	1,494,090	1,475,014	1,526,626	77,397	63,323	57,963	68,143
Refined..... do.....	16,227	19,247	27,445	978	978	1,091	1,685
Total Hawaiian products.....				105,859	99,749	95,294	108,370
Articles produced in U. S. returned.....				2,560	3,002	2,939	2,832
Total foreign merchandise.....				64	80	29	35
Total, all merchandise.....				108,478	102,781	98,261	108,238
<b>PORTO RICO</b>							
Cotton.....							
Unmanufactured..... pounds.....	470,358	551,998	652,062	203	257	217	282
Handkerchiefs..... 1,000 doz.....	1,104	1,018	954	489	1,104	1,036	1,237
Wearing apparel..... 1,000 lbs.....	2,485	3,512	3,935	5,823	6,560	7,230	7,248
Fruits.....				4,334	5,305	5,186	6,813
Grapefruit, fresh..... boxes.....	781,258	683,729	879,428	2,378	2,404	2,061	2,687
Oranges, fresh..... do.....	485,252	316,078	371,980	405	1,249	796	903
Pineapples, fresh..... crates.....	378,106	494,344	641,518	839	1,141	1,500	1,925
Grapefruit, canned, etc..... 1,000 lbs.....	3,328	7,033	10,627	308	329	674	1,168
Pineapples, canned, etc..... do.....	1,451	1,665	1,409	171	160	142	117
Coconuts..... thousands.....	18,869	20,582	22,578	674	706	567	652
Hides and skins..... 1,000 lbs.....	603	357	795	79	94	58	112
Honey..... do.....	1,788	1,491	1,486	149	126	82	88
Manganese ore..... tons.....	4,193	1,417	1,624	76	118	42	42
Alcohol, denatured..... galls.....	518,662	397,037	712,276	187	247	236	311
Sugar and molasses.....							
Sugar..... 1,000 lbs.....	1,200,826	1,118,497	1,148,127	47,781	53,713	46,530	55,337
Molasses..... 1,000 galls.....	22,070	26,034	16,697	664	1,475	932	767
Tobacco.....							
Leaf—							
Unstemmed..... 1,000 lbs.....	2,762	8,667	6,626	2,023	1,740	5,045	2,963
Stemmed..... do.....	16,696	18,594	17,420	6,722	10,509	14,896	11,554
Stems, scraps..... do.....	4,980	4,615	6,816	667	889	1,048	1,191
Cigars and cheroots..... thousands.....	207,110	177,501	147,555	6,124	7,739	4,899	3,936
Cigarettes..... do.....	2,850	4,625	5,227	116	29	50	52
Total Porto Rican products.....				76,551	91,282	88,872	96,677
Articles produced in U. S. returned.....				775	1,391	1,280	1,162
Total foreign merchandise.....				11	6	15	64
Total, all merchandise.....				77,337	92,680	90,167	98,903

**No. 517.—SHIPMENTS OF DOMESTIC PRODUCTS TO THE UNITED STATES FROM ALASKA, HAWAII, PORTO RICO, AND THE PHILIPPINE ISLANDS—Continued**

Territory and product	Quantity			Value (thousands of dollars)			
	1925	1926	1927	1924	1925	1926	1927
<b>PHILIPPINE ISLANDS</b>							
Oil cake and meal (coconut) . . 1,000 lbs.	27,519	34,508	34,170	848	407	417	423
Coconut meat prepared . . . do	24,309	28,864	23,994	1,506	2,363	2,083	3,041
Copra . . . do	284,089	275,698	341,389	10,807	13,999	14,037	18,113
Coconut oil . . . do	232,490	245,129	293,370	17,288	19,650	22,088	22,900
Rubber, crude . . . do	224	311	323	39	63	108	106
Leaf tobacco . . . do	1,106	908	1,611	169	187	197	253
Cigars and cheroots . . . do	3,226	2,021	2,643	4,692	5,133	5,047	4,142
Cotton wearing apparel . . . do	1,047			3,703	3,959	5,422	8,321
Cordage . . . do	6,963	6,571	5,693	603	979	893	838
Manila fiber . . . do	62,167	69,005	102,420	14,235	18,091	18,213	13,075
Boards, planks, and deals . . . M ft	296	362	112	79	13	20	5
Sawn cabinet woods . . . do	26,079	26,347	32,631	906	1,350	1,235	1,694
Chair cane or reed . . . M lbs		15		2	( <sup>1</sup> )	3	
Articles produced in U. S. returned				300	446	262	212
Total, all merchandise				97,046	111,689	122,737	115,896

<sup>1</sup> Less than \$500.

Source: Bureau of Foreign and Domestic Commerce.

**No. 518.—SHIPMENTS OF MERCHANDISE FROM THE UNITED STATES TO ALASKA, HAWAII, PORTO RICO, AND THE PHILIPPINE ISLANDS: VALUES**

[NOTE.—Values in thousands of dollars. Totals include items not shown separately.]

Commodity group or item	Alaska		Hawaii		Porto Rico		Philippine Islands	
	1926	1927	1926	1927	1926	1927	1926	1927
Total merchandise	31,567	33,699	76,969	79,631	64,785	66,330	69,323	69,394
<b>Animals and Animal Products</b>	4,376	5,249	5,968	8,512	14,069	13,633	6,896	6,681
Meats	1,943	2,655	1,569	1,726	4,387	4,247	355	422
Eggs	568	558	475	494	30	54	1	1
Milk, condensed, evaporated, etc.	458	499	738	792	607	656	2,699	2,618
Butter and cheese	757	832	651	762	740	709	179	137
Fish	91	118	849	928	1,853	1,538	1,967	2,806
Animal fats and oils, edible	116	106	234	729	2,996	2,414	23	50
Boots and shoes	168	194	731	828	2,883	3,511	263	202
Other leather manufactures	31	44	238	279	176	251	130	163
<b>Vegetable Food Products and Beverages</b>	4,093	4,513	11,933	12,017	20,763	19,179	6,564	6,382
Grains and preparations	833	856	6,146	5,445	14,467	12,801	4,207	4,059
Rice	97	80	4,233	3,567	9,596	8,514		3
Wheat flour	379	395	975	974	2,144	2,889	4,137	3,878
Biscuits and crackers		170	106	112	687	657	43	33
Vegetables	756	815	1,407	1,446	3,155	3,300	458	418
Potatoes	192	187	387	329	634	667	6	14
Canned vegetables	285	319	491	520	242	221	231	183
Fruits	813	940	1,131	1,333	475	494	788	840
Oranges	99	134	293	473	( <sup>1</sup> )	( <sup>1</sup> )	239	223
Apples	89	109	138	163	46	53	190	196
Canned fruits	303	304	165	262	252	280	131	135
Coffee	283	385	74	114	6	38	154	296
Sugar	393	445	166	258	131	63	46	29
Confectionery	303	323	508	624	545	611	143	209
Beverages and fruit juices	107	141	101	123	432	424	22	49
<b>Vegetable Products, Inedible, Except Fibers and Wood</b>	1,315	1,344	4,319	4,709	3,731	4,347	4,540	5,116
Rubber manufactures	417	433	1,927	2,010	1,405	1,302	2,434	2,956
Boots and shoes <sup>2</sup>	203	216	75	76	244	214	770	623
Automobile tires								
Casings	52	54	1,392	1,391	878	704	834	1,394
Inner tubes	11	9	189	227	105	64	154	223
Belting, hose, and packing	125	134	123	139	55	62	172	190
Tobacco								
Leaf	1	3	5	( <sup>1</sup> )	949	1,164	504	633
Cigars and cheroots	235	194	209	196	6	26		
Cigarettes	345	356	1,190	1,348	1,134	1,295	1,120	1,129
Smoking	174	177	768	716	42	47	29	38

<sup>1</sup> Less than \$500.

<sup>2</sup> Includes canvas shoes with rubber soles.

## No. 518.—SHIPMENTS OF MERCHANDISE FROM THE UNITED STATES TO ALASKA, HAWAII, PORTO RICO, AND THE PHILIPPINE ISLANDS: VALUES—Continued

[Values in thousands of dollars]

Commodity group or item	Alaska		Hawaii		Porto Rico		Philippine Islands	
	1926	1927	1926	1927	1926	1927	1926	1927
<b>Textiles</b> .....	2,847	3,136	7,519	7,002	15,114	16,047	17,200	15,408
Sewing, crochet, and embroidery cotton.....	8	10	116	137	426	509	585	519
Cotton cloth.....	110	115	1,551	1,476	6,284	6,285	13,362	11,346
Cotton wearing apparel.....	426	541	1,092	1,048	2,534	3,056	724	475
Bags of jute.....	127	121	1,213	606	566	493	1	( <sup>1</sup> )
Cordage and twine.....	853	653	64	93	200	200	9	2
Wool wearing apparel.....	394	267	431	400	453	527	50	65
Other wool manufactures.....	111	158	464	445	199	193	229	171
Silk manufactures.....	81	105	735	946	389	429	443	550
<b>Wood and Paper</b> .....	1,773	2,138	6,231	6,273	5,962	5,394	1,748	1,741
Logs and timber.....	187	165	38	119	102	150	55	33
Boards, planks, and deals.....	399	545	1,869	1,798	2,326	1,918	98	79
Box shooks.....	340	533	970	707	506	461	39	35
Cooperage shooks.....	233	170	2	2	23	34	6	
Wood furniture.....	111	136	669	575	814	758	31	45
Paper and manufactures.....	260	286	1,748	2,101	1,307	1,538	1,279	1,233
<b>Nonmetallic Minerals</b> .....	2,504	2,694	10,685	11,090	4,671	4,558	6,949	5,883
Coal.....	289	327	62	53	573	275	43	52
Petroleum and products.....	1,815	1,885	8,643	8,489	2,703	2,902	6,362	5,245
Gasoline.....	870	916	3,114	3,685	1,272	828	2,843	2,287
Illuminating oil.....	90	94	989	696	551	465	1,824	1,313
Gas and fuel oil.....	467	559	3,590	3,207	352	1,056	733	743
Lubricating oil.....	308	277	836	754	466	474	745	706
<b>Metals and manufactures, except Machinery and Vehicles</b> .....	9,142	9,467	11,041	10,738	5,211	6,068	7,743	8,160
Iron and steel.....	8,854	9,043	9,636	9,255	4,664	5,421	6,802	6,996
Steel bars.....	113	86	221	172	201	178	183	119
Iron and steel plates.....	25	21	64	104	37	44	58	113
Galvanized sheets.....	40	74	240	188	961	860	2,664	2,028
Tin plates.....	1,442	1,792	3,819	2,333	14	17	481	447
Structural forms.....	10	107	343	228	111	166	255	323
Cast pipe and fittings.....	84	117	821	913	332	468	90	160
Wire.....	868	1,167	342	348	229	216	554	556
Wire nails.....	84	101	88	97	92	72	173	139
Cutlery.....	14	18	99	117	112	124	78	67
Tin cans, finished or unfinished.....	4,176	3,490	32	54	215	312	( <sup>1</sup> )	3
Enameled iron and steel.....	46	58	195	197	221	220	105	70
Stoves, ranges, furnaces.....	174	233	250	272	52	66	34	43
Tools.....	135	128	214	200	143	155	298	324
Copper.....	38	72	274	351	181	241	267	399
<b>Machinery and Vehicles</b> .....	3,150	5,002	9,467	11,843	6,268	7,770	9,524	11,478
Engines.....	620	685	450	582	318	376	588	943
Electrical machinery and appliances.....	470	649	1,551	1,666	731	818	1,231	1,526
Agricultural machinery.....	82	81	416	558	309	403	278	343
Other machinery.....	1,384	2,868	2,209	2,739	1,382	2,186	2,539	3,598
Motor trucks and busses.....	55	78	481	824	807	797	678	908
Passenger automobiles.....	342	373	3,293	3,983	1,978	1,953	3,080	2,660
Automobile parts and accessories, except engines and tires.....	108	126	737	796	494	545	673	707
<b>Chemicals and Related Products</b> .....	1,065	1,259	5,136	4,857	6,591	6,428	4,225	4,745
Chemicals.....	391	507	1,299	1,174	1,590	1,770	1,268	1,117
Medicinal and pharmaceutical preparations.....	205	249	358	380	805	911	679	695
Paints, pigments, and varnishes.....	190	226	900	929	506	517	520	562
Explosives.....	357	367	126	154	32	25	50	92
Fertilizers.....	1	2	1,847	1,542	2,833	2,490	1,104	1,305
Soap.....	103	125	625	917	1,244	1,695	879	974
<b>Miscellaneous</b> .....	1,341	1,505	3,993	4,062	2,436	2,773	3,345	3,860
Motion-picture films.....	93	82	55	63	107	118	57	81
Musical instruments.....	135	135	499	724	254	370	319	452
Toys.....	39	51	167	181	163	245	52	61
Athletic and sporting goods.....	23	43	191	174	16	24	90	78
Books, pictures, and other printed matter.....	393	433	1,800	1,180	527	504	1,232	1,468
Household and personal effects.....	144	170	272	492	190	199	50	88

<sup>1</sup> Less than \$500.

Source: Bureau of Foreign and Domestic Commerce.

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1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971) using a Shimadzu 1601 spectrophotometer. The concentration of chlorophyll was expressed as  $\mu\text{g mL}^{-1}$  of the sample.

## 24.—IRRIGATION AND DRAINAGE

**GENERAL NOTE.**—Data in this section cover irrigation and drainage enterprises in continental United States. "Government irrigation" tables relate only to works of the Bureau of Reclamation or to lands served in whole or in part by works controlled by the bureau. In 1926 the total area so served was 2,508,210 acres. (See Table 524.) Tables 528 to 533 relate to irrigation enterprises of all sorts as reported to the Bureau of the Census.

### No. 519.—GOVERNMENT IRRIGATION PROJECTS: CONSOLIDATED FINANCIAL STATEMENT, JUNE 30, 1927

#### DEBIT SIDE

|  | <i>Dollars</i> | <i>Dollars</i> | <i>Dollars</i>       |
|--|----------------|----------------|----------------------|
| Construction account, primary projects:  |                |                |                      |
| Cost of irrigation works—  |                |                |                      |
| Original construction.....   | 161, 022, 874  |                |                      |
| Supplemental construction.....   | 8, 624, 686    |                |                      |
| Value of works taken over.....   | 2, 074, 028    |                |                      |
| Total construction cost.....   |                | 171, 721, 588  |                      |
| Operation and maintenance prior to public notice (net).....                        | 2, 427, 635    |                |                      |
| Operation and maintenance deficits and arrearages to be repaid by water users..... | 2, 817, 986    | 5, 245, 621    |                      |
| Less—  |                | 176, 967, 209  |                      |
| Abandoned works and nonreimbursable cost (net).....                                | 9, 698, 175    |                |                      |
| Construction revenues.....   | 5, 426, 586    |                |                      |
| Contributed funds.....   | 1, 174, 307    | 16, 299, 068   |                      |
| Total to be repaid by water users.....   |                |                | 160, 668, 141        |
| Yuma auxiliary project: Cost of irrigation works less construction revenues.....   |                |                | 876, 326             |
| Operation and maintenance results.....   |                |                | 1, 737, 618          |
| Secondary projects and general investigations.....                                 |                | 2, 711, 090    |                      |
| Less contributed funds.....  |                | 562, 816       |                      |
| Plant and equipment.....   |                |                | 2, 148, 274          |
| Materials and supplies.....  |                |                | 1, 226, 630          |
| Current accounts receivable due.....   |                | 4, 316, 667    |                      |
| Deferred accounts receivable not due.....  |                | 144, 120, 011  |                      |
| Prepaid civil service retirement fund.....   |                |                | 148, 436, 678        |
| Unadjusted debits.....   |                |                | 2, 341               |
| Cash and collections in transit.....   |                |                | 344, 760             |
| Total debits.....  |                |                | 9, 683, 029          |
|  |                |                | <b>325, 512, 643</b> |

#### CREDIT SIDE

|   |              |               |                      |
|---|--------------|---------------|----------------------|
| Security for repayment of cost of irrigation works:   |              |               |                      |
| Contracted construction repayments.....   |              | 171, 583, 008 |                      |
| Yuma auxiliary contracted repayments.....   |              | 829, 379      |                      |
| Accounts payable.....   |              |               | 172, 412, 387        |
| Unapplied credits: Forfeitures, penalties, hospital, rentals from withdrawn lands, etc..... |              |               | 1, 110, 914          |
| Unadjusted credits.....   |              |               | 488                  |
| Government aid for reclamation of arid lands:   |              |               | 3, 740, 552          |
| Reclamation fund.....   |              | 140, 588, 252 |                      |
| Special funds—  |              |               |                      |
| Judgments, Court of Claims.....   |              | 597, 461      |                      |
| Rio Grande Dam.....   |              | 1, 000, 000   |                      |
| General investigations, 1923–Dec. 31, 1924.....   |              | 275, 000      |                      |
| Increase of compensation.....   |              | 2, 797, 960   |                      |
| Wind River Indian (Riverton).....   |              | 359, 176      |                      |
| Drainage and cut-over lands.....  |              | 99, 815       |                      |
| Arid, semiarid, swamp, and cut-over timberlands.....  |              | 15, 000       |                      |
| Columbia Basin irrigation project.....  |              | 25, 000       |                      |
| Advances to reclamation fund (bond loan).....   | 20, 000, 000 |               |                      |
| Less amount repaid.....   | 7, 000, 000  |               |                      |
| Total.....  |              | 13, 000, 000  |                      |
| Total.....  |              | 158, 757, 664 |                      |
| Less nonreimbursable appropriation, Rio Grande Dam.....                                     |              | 1, 000, 000   |                      |
| Less impairment of funds—   |              | 157, 757, 664 |                      |
| Abandoned construction works.....   | 1, 365, 965  |               |                      |
| Nonreimbursable construction cost.....  | 382, 097     |               |                      |
| Deficits, operation, and maintenance.....   | 453, 291     |               |                      |
| Write-offs of May 25, 1926.....   | 7, 308, 009  |               |                      |
| Total.....  |              | 9, 509, 362   |                      |
| Total credits.....  |              |               | 148, 248, 302        |
|   |              |               | <b>325, 512, 643</b> |

Source: Bureau of Reclamation, Department of the Interior.

**No. 520.—GOVERNMENT IRRIGATION PROJECTS: CONSTRUCTION COST, OTHER REIMBURSABLE COST, AND AMOUNT TO BE REPAYED BY WATER USERS, TOTALS TO JUNE 30, 1927**

| State and project                            | Construction cost             | Operation and maintenance cost before public notice (net) | Operation and maintenance deficits and arrearages | Deductions                                  |   | Total to be repaid by water users |
|--|-------------------------------|---|---|---|---|-----------------------------------|
|  |                               |   |   | Construction revenues and contributed funds | Abandoned works, nonreimbursable cost, etc. |                                   |
| <b>Total</b> .....                           | <i>Dollars</i><br>171,721,898 | <i>Dollars</i><br>2,487,694                               | <i>Dollars</i><br>2,817,298                       | <i>Dollars</i><br>6,099,898                 | <i>Dollars</i><br>9,099,175                 | <i>Dollars</i><br>109,099,141     |
| Arizona: Salt River.....                     | 12,744,223                    | 115,904   | -----   | 2,312,607                                   | <sup>1</sup> 222,007                        | 10,164,622                        |
| Arizona-California: Yuma.....                | 9,264,126                     | 372,177   | 2,922   | 185,019                                     | -----                                       | 9,454,206                         |
| California: Orland.....                      | 1,526,821                     | <sup>2</sup> 12,175                                       | -----   | 19,991                                      | -----                                       | 1,494,655                         |
| Colorado:                                    |                               |   |   |   |   |                                   |
| Grand Valley.....                            | 4,748,115                     | 167,708   | -----   | 61,221                                      | -----                                       | 4,794,897                         |
| Uncompahgre.....                             | 6,438,177                     | 299,491   | -----   | 28,873                                      | <sup>3</sup> 47,871                         | 6,908,421                         |
| Idaho:                                       |                               |   |   |   |   |                                   |
| American Falls.....                          | 7,542,267                     | <sup>2</sup> 3,375  | -----   | <sup>2</sup> 2,792                          | -----                                       | 7,542,892                         |
| Boise.....                                   | 14,392,235                    | 422,193   | 9,695   | 250,025                                     | -----                                       | 14,574,101                        |
| King Hill.....                               | 1,904,899                     | -----   | 110,121   | 25,294                                      | -----                                       | 1,905,816                         |
| Minidoka.....                                | 6,791,855                     | 153,706   | 359,944   | 1,579,191                                   | -----                                       | 5,735,494                         |
| Minidoka gravity extension.....              | 18,825                        | -----   | -----   | 1,000                                       | -----                                       | 17,825                            |
| Kansas: Garden City.....                     | 342,964                       | 52,868  | -----   | 61,257                                      | <sup>4</sup> 324,475                        | -----                             |
| Montana:                                     |                               |   |   |   |   |                                   |
| Huntley.....                                 | 1,499,251                     | <sup>2</sup> 1,084  | 68,854  | 17,942                                      | <sup>3</sup> 15,082                         | 1,529,057                         |
| Milk River.....                              | 6,751,731                     | 440,591   | 45,677  | 76,274                                      | <sup>4</sup> 1,911,189                      | 5,250,447                         |
| Sun River.....                               | 4,627,951                     | 136,114   | 52,167  | 41,935                                      | -----                                       | 4,774,297                         |
| Montana-North Dakota: Lower Yellowstone..... | 2,175,593                     | <sup>2</sup> 1,790  | 902,197   | 47,797                                      | -----                                       | 4,026,373                         |
| Nebraska-Wyoming: North Platte.....          | 18,822,343                    | 632,679   | 152,139   | 373,764                                     | -----                                       | 19,282,401                        |
| Nevada: Newlands.....                        | 7,688,013                     | <sup>2</sup> 2,155  | 21,039  | 189,650                                     | <sup>4</sup> 4,437,820                      | 3,079,427                         |
| New Mexico:                                  |                               |   |   |   |   |                                   |
| Carlsbad.....                                | 1,463,266                     | <sup>2</sup> 15,291                                       | 1,934   | 24,347                                      | -----                                       | 1,426,862                         |
| Hondo.....                                   | 339,492                       | 32,952  | -----   | 616   | <sup>4</sup> 371,828                        | -----                             |
| New Mexico-Texas: Rio Grande.....            | 14,309,777                    | <sup>2</sup> 293,293                                      | -----   | 175,079                                     | <sup>4</sup> 1,159,222                      | 12,699,592                        |
| North Dakota:                                |                               |   |   |   |   |                                   |
| Burdett-Trenton.....                         | 223,423                       | <sup>2</sup> 22   | -----   | 1,968                                       | <sup>4</sup> 221,424                        | -----                             |
| Williston.....                               | 517,630                       | <sup>2</sup> 165  | -----   | 79,227                                      | <sup>4</sup> 438,299                        | -----                             |
| Oregon:                                      |                               |   |   |   |   |                                   |
| Baker.....                                   | 63,361                        | -----   | -----   | 5,000                                       | -----                                       | 58,361                            |
| Umatilla.....                                | 5,157,624                     | -----   | 99,545  | 29,947                                      | <sup>3</sup> 388,448                        | 4,838,774                         |
| Vale.....                                    | 117,397                       | -----   | -----   | 5,000                                       | -----                                       | 112,397                           |
| Oregon-California: Klamath.....              | 5,264,412                     | 69,725  | 3,712   | 287,566                                     | -----                                       | 5,050,284                         |
| Oregon-Idaho: Owyhee.....                    | 186,793                       | -----   | -----   | 4,355                                       | -----                                       | 182,438                           |
| South Dakota: Belle Fourche.....             | 3,566,124                     | <sup>2</sup> 1,989  | 506,437   | 16,565                                      | -----                                       | 4,064,007                         |
| Utah:  |                               |   |   |   |   |                                   |
| Salt Lake Basin.....                         | 54,849                        | -----   | -----   | -----                                       | -----                                       | 54,849                            |
| Strawberry Valley.....                       | 3,507,423                     | 10,744  | 70,191  | 232,315                                     | -----                                       | 3,356,044                         |
| Washington:                                  |                               |   |   |   |   |                                   |
| Okanogon.....                                | 1,460,361                     | <sup>2</sup> 47,767                                       | 25,194  | 6,631                                       | -----                                       | 1,431,158                         |
| Yakima.....                                  | 14,406,768                    | <sup>2</sup> 63,958                                       | 85,009  | 341,674                                     | -----                                       | 14,086,146                        |
| Yakima-Kittitas.....                         | 557,464                       | -----   | -----   | 1,006                                       | -----                                       | 556,458                           |
| Wyoming:                                     |                               |   |   |   |   |                                   |
| Riverton.....                                | 2,839,116                     | 2,972   | -----   | <sup>2</sup> 517                            | -----                                       | 2,842,606                         |
| Shoshone.....                                | 9,406,904                     | 21,399  | 306,206   | 132,657                                     | -----                                       | 9,600,862                         |

<sup>1</sup> Nonreimbursable cost. <sup>2</sup> Contra. <sup>3</sup> Authorized charge-offs, act of May 25, 1926. <sup>4</sup> Abandoned works.  
Source: Bureau of Reclamation, Department of the Interior.

**No. 521.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST AND RETURNS DURING 1926 (CALENDAR YEAR)**

| State and project             | Operation and maintenance cost | Operation and maintenance returns |                           |                          |                          | Other credits, amount to be repaid with construction | Results: Excess (+) or deficit (-) |
|-------------------------------|--------------------------------|-----------------------------------|---------------------------|--------------------------|--------------------------|--|------------------------------------|
|                               |                                | Charges contracted                | Penalties                 | Discounts (contra)       | Miscellaneous revenues   |  |                                    |
| <b>Total</b> .....            | <i>Dollars</i><br>2,084,190    | <i>Dollars</i><br>1,811,683       | <i>Dollars</i><br>107,198 | <i>Dollars</i><br>19,110 | <i>Dollars</i><br>82,423 | <i>Dollars</i><br>500,293                            | <i>Dollars</i><br>+308,185         |
| Arizona: Yuma auxiliary.....  | 39,002                         | 42,568                            | -----                     | -----                    | 1,069                    | -----  | +4,624                             |
| Arizona-California: Yuma..... | 318,294                        | 1,000,004                         | 10,368                    | 6,385                    | 18,736                   | -----  | +704,429                           |
| California: Orland.....       | 29,865                         | 32,871                            | 304                       | 1,324                    | 78                       | -----  | +2,064                             |
| Colorado: Uncompahgre.....    | 141,952                        | 141,091                           | 4,990                     | 2,647                    | 3,223                    | -----  | +4,706                             |
| Idaho:                        |                                |                                   |                           |                          |                          |  |                                    |
| Boise.....                    | 64,623                         | 12,160                            | 1,501                     | 319                      | <sup>1</sup> 151         | -----  | -50,423                            |
| Boise (drainage).....         | 50,470                         | <sup>1</sup> 386                  | 203                       | 4                        | -----                    | -----  | -50,657                            |

<sup>1</sup> Contra.

**No. 521.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST AND RETURNS DURING 1926 (CALENDAR YEAR)—Continued**

| State and project                  | Operation and maintenance cost | Operation and maintenance returns |                |                     |                        | Other credits, amount to be repaid with construction | Results: Excess (+) or deficit (-) |
|------------------------------------|--------------------------------|-----------------------------------|----------------|---------------------|------------------------|--|------------------------------------|
|                                    |                                | Charges contracted                | Penalties      | Dis-counts (contra) | Miscellaneous revenues |  |                                    |
| <i>Idaho—Continued.</i>            | <i>Dollars</i>                 | <i>Dollars</i>                    | <i>Dollars</i> | <i>Dollars</i>      | <i>Dollars</i>         | <i>Dollars</i>                                       | <i>Dollars</i>                     |
| King Hill.....                     | 685                            | 1 96,512                          |                |                     |                        | 97,198   |                                    |
| Minidoka.....                      | 87,720                         | 31,839                            | 1,143          | 55                  | 264                    |  | -54,528                            |
| <i>Montana:</i>                    |                                |                                   |                |                     |                        |  |                                    |
| Huntley.....                       | 36,180                         | 36,959                            | 2,357          | 633                 | 816                    |  | +2,319                             |
| Milk River.....                    | 56,661                         | 18,803                            |                | 198                 | 1,102                  |  | -36,953                            |
| Sun River.....                     | 11,345                         | 10,734                            | 910            | 43                  | 229                    |  | +486                               |
| <i>Montana-North Dakota: Lower</i> |                                |                                   |                |                     |                        |  |                                    |
| Yellowstone.....                   | 53,867                         | 1 319,070                         |                |                     | 1,747                  | 371,189  |                                    |
| Nebraska-Wyoming North Platte..... | 151,018                        | 34,064                            | 83,260         | 401                 | 1,639                  |  | -41,357                            |
| Nevada Newlands.....               | 73,190                         | 83,987                            | 3,599          | 2,080               | 1,415                  |  | +13,761                            |
| New Mexico Carlsbad.....           | 43,275                         | 40,565                            | 496            | 1,019               | 1,586                  |  | -1,627                             |
| New Mexico-Texas Rio Grande.....   | 336,126                        | 308,368                           | 1,492          |                     | 26,067                 |  |                                    |
| North Dakota Williston.....        | 3,460                          | 1 61,839                          | 1 1,873        |                     | 25                     | 1 33,008   | +0,554                             |
| Oregon Umatilla.....               | 30,464                         | 196                               | 1,375          | 5                   | 477                    |  | -18,420                            |
| Oregon-California Klamath.....     | 91,568                         | 71,966                            | 128            | 162                 | 5,259                  |  | -14,377                            |
| South Dakota Belle Fourche.....    | 73,094                         | 75,000                            |                |                     | 2,147                  |  | +4,054                             |
| Utah Strawberry Valley.....        | 19,427                         | 3,672                             | 1,789          | 235                 | 900                    |  | -13,402                            |
| <i>Washington:</i>                 |                                |                                   |                |                     |                        |  |                                    |
| Okanogan.....                      | 59,213                         | 78,122                            | 1 11,838       | 8                   | 1 594                  |  | +0,670                             |
| Yakima.....                        | 256,744                        | 253,494                           | 6,185          | 3,662               | 6,627                  | 164  | +6,044                             |
| Wyoming Shoshone.....              | 65,950                         | 1 19,085                          | 777            | 1 158               | 9,382                  | 1 2,045  | -76,762                            |

Contra.

1 Deficit uncollectible.

**No. 522.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST, ETC., AND NET EXCESS OR DEFICIT, TOTALS TO JUNE 30, 1927**

| State and project                      | Operation and maintenance cost | Operation and maintenance returns |                |                     |                        | Other credits, amount to be repaid with construction | Results: Excess (+) or deficit (-) |
|--|--------------------------------|-----------------------------------|----------------|---------------------|------------------------|--|------------------------------------|
|  |                                | Charges contracted                | Penalties      | Dis-counts (contra) | Miscellaneous revenues |  |                                    |
| <i>Total.</i>                          | <i>Dollars</i>                 | <i>Dollars</i>                    | <i>Dollars</i> | <i>Dollars</i>      | <i>Dollars</i>         | <i>Dollars</i>                                       | <i>Dollars</i>                     |
|  | 27,257,234                     | 90,619,676                        | 439,899        | 219,994             | 1,471,065              | 1 2,208,561  | -1,737,618                         |
| <i>Arizona Yuma auxiliary.....</i>     | 215,659                        | 250,963                           | 538            | 1,107               | 2,653                  |  | +46,268                            |
| <i>Arizona-California Yuma.....</i>    | 3,220,168                      | 3,105,492                         | 78,750         | 40,258              | 142,019                | 2,922  | +68,758                            |
| <i>California Orland.....</i>          | 334,845                        | 346,149                           | 739            | 15,632              | 2,376                  |  | -1,213                             |
| <i>Colorado: Uncompahgre.....</i>      | 635,119                        | 567,248                           | 13,774         | 11,608              | 12,571                 |  | -53,133                            |
| <i>Idaho:</i>                          |                                |                                   |                |                     |                        |  |                                    |
| Boise.....                             | 2,184,257                      | 1,533,595                         | 32,122         | 46,536              | 110,954                | 2,608  | -544,413                           |
| Boise (drainage).....                  | 506,005                        | 473,764                           | 28,612         | 8,123               |                        |  | +247                               |
| King Hill.....                         | 156,734                        | 60,713                            |                | 1,519               | 343                    | 97,198   |                                    |
| Minidoka.....                          | 1,886,429                      | 1,544,074                         | 29,463         | 22,342              | 99,462                 | 268,060  | +32,390                            |
| <i>Montana:</i>                        |                                |                                   |                |                     |                        |  |                                    |
| Huntley.....                           | 1,002,125                      | 563,592                           | 15,308         | 10,450              | 11,166                 | 44,180   | -378,330                           |
| Milk River.....                        | 76,374                         | 28,103                            |                | 395                 | 1,534                  | 45,677   | -1,454                             |
| Sun River.....                         | 248,879                        | 160,212                           | 6,349          | 2,468               | 4,295                  | 75,141   | -5,350                             |
| <i>Montana-North Dakota: Lower</i>     |                                |                                   |                |                     |                        |  |                                    |
| Yellowstone.....                       | 1,116,375                      | 158,610                           | 3              | 5                   | 127,683                | 861,460  | +31,476                            |
| <i>Nebraska-Wyoming: North</i>         |                                |                                   |                |                     |                        |  |                                    |
| Platte.....                            | 2,653,247                      | 1,775,202                         | 30,821         | 35,812              | 27,234                 | 160,483  | -705,319                           |
| <i>Nevada Newlands.....</i>            | 1,452,927                      | 1,196,784                         | 28,475         | 24,970              | 28,013                 | 237,736  | +111                               |
| <i>New Mexico Carlsbad.....</i>        | 671,247                        | 632,046                           | 26,392         | 11,921              | 20,771                 | 1,984  | -2,086                             |
| <i>New Mexico-Texas Rio Grande</i>     | 1,755,074                      | 1,521,078                         | 5,463          | 4,486               | 49,491                 |  | -183,590                           |
| <i>North Dakota:</i>                   |                                |                                   |                |                     |                        |  |                                    |
| Buford-Trenton.....                    | 74,781                         | 2,317                             |                |                     | 10                     | 1 72,464   |                                    |
| Williston.....                         | 904,682                        | 34,043                            | 46             |                     | 489,736                | 1 280,837  |                                    |
| <i>Oregon: Umatilla.....</i>           | 678,811                        | 332,336                           | 7,776          | 2,314               | 39,702                 | 190,626  | -111,684                           |
| <i>Oregon-California: Klamath.....</i> | 900,548                        | 877,123                           | 2,368          | 4,885               | 42,136                 | 3,712  | +20,907                            |
| <i>South Dakota Belle Fourche.....</i> | 1,271,715                      | 798,722                           | 31,965         | 9,242               | 18,132                 | 506,437  | +64,266                            |
| <i>Utah Strawberry Valley.....</i>     | 497,856                        | 378,072                           | 9,250          | 11,870              | 20,400                 | 31,173   | -10,831                            |
| <i>Washington:</i>                     |                                |                                   |                |                     |                        |  |                                    |
| Okanogan.....                          | 608,070                        | 492,245                           | 1,443          | 379                 | 69,766                 | 26,194   | -14,801                            |
| Yakima.....                            | 2,413,458                      | 2,232,330                         | 65,221         | 42,560              | 111,647                | 78,730   | +29,910                            |
| <i>Wyoming Shoshone.....</i>           | 866,969                        | 556,862                           | 12,421         | 11,653              | 40,963                 | 298,926  | -19,850                            |

1 Figures for Buford-Trenton and Williston projects represent deficits uncollectible.

Sources of Tables 521 and 522, Bureau of Reclamation, Department of the Interior.



**No. 523.—GOVERNMENT IRRIGATION PROJECTS: VOUCHER TRANSACTIONS,  
ALL FUNDS, AND NET INVESTMENT**

| State and project  | Expenditures <sup>1</sup>     |                              | Collections <sup>2</sup>      |                              | Net investment                |                              |
|--|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
|  | During<br>fiscal year<br>1927 | Total to<br>June 30,<br>1927 | During<br>fiscal year<br>1927 | Total to<br>June 30,<br>1927 | During<br>fiscal year<br>1927 | Total to<br>June 30,<br>1927 |
|  | Dollars                       | Dollars                      | Dollars                       | Dollars                      | Dollars                       | Dollars                      |
| <b>Total</b> .....   | <b>7,449,463</b>              | <b>291,576,087</b>           | <b>4,692,875</b>              | <b>79,440,298</b>            | <b>2,857,178</b>              | <b>149,135,801</b>           |
| <b>Arizona.</b>  |                               |                              |                               |                              |                               |                              |
| Salt River .....   | 109                           | 14,671,593                   | 689                           | 7,211,444                    | <sup>3</sup> 580              | 7,400,149                    |
| Yuma auxiliary .....                                       | 41,858                        | 921,112                      | 36,505                        | 893,253                      | 5,263                         | 27,650                       |
| <b>Arizona-California Yuma</b> .....                       | <b>461,660</b>                | <b>14,011,687</b>            | <b>277,725</b>                | <b>8,416,068</b>             | <b>183,936</b>                | <b>7,695,519</b>             |
| <b>California: Orland.</b> .....                           | <b>356,477</b>                | <b>1,969,747</b>             | <b>102,991</b>                | <b>995,185</b>               | <b>253,486</b>                | <b>974,582</b>               |
| <b>Colorado</b>  |                               |                              |                               |                              |                               |                              |
| Grand Valley .....   | 54,383                        | 5,412,406                    | 65,652                        | 566,100                      | <sup>4</sup> 11,269           | 4,827,306                    |
| Uncompahgre .....  | 135,014                       | 8,060,678                    | 221,528                       | 2,147,787                    | <sup>4</sup> 86,514           | 6,612,691                    |
| <b>Idaho</b>   |                               |                              |                               |                              |                               |                              |
| American Falls .....                                       | 1,628,109                     | 7,875,449                    | 161,230                       | 3,871,860                    | 1,466,879                     | 4,003,980                    |
| Boise .....  | 169,525                       | 18,670,873                   | 358,109                       | 5,883,701                    | <sup>4</sup> 188,584          | 12,787,172                   |
| King Hill .....  | 414                           | 2,109,445                    | 360                           | 129,171                      | 54                            | 1,980,274                    |
| Minidoka .....   | 285,495                       | 9,437,234                    | 462,921                       | 6,582,633                    | <sup>4</sup> 177,426          | 2,854,601                    |
| <b>Kansas: Garden City</b> .....                           |                               | <b>390,496</b>               |                               | <b>58,002</b>                |                               | <b>332,494</b>               |
| <b>Montana.</b>  |                               |                              |                               |                              |                               |                              |
| Huntley .....  | 31,039                        | 2,545,957                    | 60,134                        | 1,013,071                    | <sup>4</sup> 29,098           | 1,532,896                    |
| Milk River .....   | 80,711                        | 7,652,742                    | 26,344                        | 476,355                      | 45,307                        | 7,176,287                    |
| Sun River .....  | 218,257                       | 6,199,062                    | 43,684                        | 603,729                      | 174,873                       | 4,506,333                    |
| <b>Montana-North Dakota: Low-<br/>er Yellowstone</b> ..... | <b>60,295</b>                 | <b>4,343,293</b>             | <b>72,826</b>                 | <b>801,682</b>               | <b><sup>4</sup> 12,520</b>    | <b>2,841,711</b>             |
| <b>Nebraska-Wyoming: North<br/>Platte</b> .....            | <b>1,219,725</b>              | <b>22,612,183</b>            | <b>316,722</b>                | <b>5,003,521</b>             | <b>903,003</b>                | <b>17,609,662</b>            |
| <b>Nevada: Newlands.</b> .....                             | <b>170,166</b>                | <b>9,454,106</b>             | <b>191,991</b>                | <b>2,332,008</b>             | <b><sup>4</sup> 21,826</b>    | <b>7,122,099</b>             |
| <b>New Mexico:</b>   |                               |                              |                               |                              |                               |                              |
| Carlsbad .....   | 52,097                        | 2,180,076                    | 97,905                        | 1,389,351                    | <sup>4</sup> 45,808           | 790,725                      |
| Hondo .....  |                               | 406,744                      | 76                            | 34,917                       | <sup>4</sup> 76               | 371,827                      |
| <b>New Mexico-Texas: Rio<br/>Grande</b> .....              | <b>624,596</b>                | <b>17,605,057</b>            | <b>706,323</b>                | <b>4,337,983</b>             | <b><sup>4</sup> 78,735</b>    | <b>13,367,124</b>            |
| <b>North Dakota.</b>                                       |                               |                              |                               |                              |                               |                              |
| Buford-Trenton .....                                       |                               | 311,175                      |                               | 17,874                       |                               | 293,301                      |
| Williston .....  | 351                           | 1,420,674                    | 8,098                         | 571,039                      | <sup>4</sup> 7,742            | 849,635                      |
| <b>Oregon</b>  |                               |                              |                               |                              |                               |                              |
| Baker .....  | 5,052                         | 64,603                       | 5,000                         | 5,879                        | 52                            | 58,724                       |
| Umatilla .....   | 197,080                       | 6,051,725                    | 56,106                        | 1,048,000                    | 140,974                       | 5,003,719                    |
| Vale .....   | 147,297                       | 164,941                      | 5,000                         | 5,000                        | 142,297                       | 159,841                      |
| <b>Oregon-California: Klamath</b> .....                    | <b>186,610</b>                | <b>6,350,120</b>             | <b>222,464</b>                | <b>1,945,474</b>             | <b><sup>4</sup> 35,854</b>    | <b>4,404,646</b>             |
| <b>Oregon-Idaho: Owyhee</b> .....                          | <b>173,023</b>                | <b>197,294</b>               | <b>4,390</b>                  | <b>4,390</b>                 | <b>168,633</b>                | <b>192,904</b>               |
| <b>South Dakota: Belle Fourche</b> .....                   | <b>72,100</b>                 | <b>4,877,347</b>             | <b>52,955</b>                 | <b>1,196,249</b>             | <b>19,145</b>                 | <b>3,680,998</b>             |
| <b>Utah</b>  |                               |                              |                               |                              |                               |                              |
| Salt Lake Basin .....                                      | 20,190                        | 55,403                       |                               |                              | 20,190                        | 55,403                       |
| Strawberry Valley .....                                    | 18,673                        | 4,332,524                    | 150,677                       | 1,803,473                    | <sup>4</sup> 132,004          | 2,529,051                    |
| <b>Washington</b>  |                               |                              |                               |                              |                               |                              |
| Okanogan .....   | 59,480                        | 2,096,382                    | 47,218                        | 608,617                      | 12,262                        | 1,487,765                    |
| Yakima .....   | 249,843                       | 18,286,343                   | 728,970                       | 8,812,947                    | <sup>4</sup> 479,127          | 9,473,396                    |
| Yakima-Kittitas .....                                      | 350,347                       | 532,231                      | 318                           | 31,321                       | 350,020                       | 600,910                      |
| <b>Wyoming</b>   |                               |                              |                               |                              |                               |                              |
| Riverton .....   | 84,204                        | 3,511,311                    | 18,812                        | 96,714                       | 65,392                        | 3,414,597                    |
| Shoshone .....   | 116,611                       | 10,458,625                   | 60,148                        | 1,545,521                    | 56,463                        | 8,911,104                    |
| <b>Secular:</b>  |                               |                              |                               |                              |                               |                              |
| Denver office <sup>4</sup> .....                           | 12,071                        | 2,282,790                    | 8,989                         | 722,974                      | 3,082                         | 1,550,802                    |
| Field legal <sup>4</sup> .....                             | <sup>4</sup> 4,213            | 228,354                      | 1,652                         | 181,216                      | <sup>4</sup> 5,845            | 47,138                       |
| Field legal <sup>4</sup> .....                             | 1,413                         | 10,144                       | 371                           | 7,806                        | 1,047                         | 2,338                        |
| Washington office <sup>4</sup> .....                       | 171,041                       | 674,694                      | 11,119                        | 344,199                      | 159,922                       | 330,495                      |
| <b>Adjustments: Surveys, subsec-<br/>tion k.</b> .....     | <b>128</b>                    | <b>85,593</b>                |                               |                              | <b>128</b>                    | <b>85,593</b>                |
| <b>Indian projects <sup>1</sup></b> .....                  |                               | <b>2,997,829</b>             |                               | <b>2,997,829</b>             |                               |                              |
| Civil service retirement fund <sup>4</sup> .....           | <sup>4</sup> 2,582            | 2,340                        |                               |                              | <sup>4</sup> 2,582            | 2,340                        |
| Drainage and cut over .....                                |                               | 100,544                      |                               |                              |                               | 100,544                      |
| General investigations .....                               | <sup>4</sup> 16,401           | 246,184                      |                               | 20,103                       | <sup>4</sup> 16,401           | 220,081                      |
| Economic investigations .....                              | 880                           | 880                          |                               |                              | 880                           | 880                          |
| Arid, semiarid, and swamp cut-<br>over lands .....         | 12,328                        | 12,328                       |                               |                              | 12,328                        | 12,328                       |
| Colorado basin investigations .....                        | 4,071                         | 4,071                        |                               |                              | 4,071                         | 4,071                        |

<sup>1</sup> Expenditures from the following reclamation funds: Increase of compensation, judgments, Court of Claims, Rio Grande Dam appropriation, Wind River Indian (Riverton) drainage and cut over, general investigations, Reclamation Service, 1923-Dec. 31, 1924, and Yuma auxiliary. Amounts given for each project include net transfers (transfers from other projects less transfers to other projects).

<sup>2</sup> Collections credited to increase of compensation, Rio Grande Dam appropriation and Wind River Indian (Riverton) drainage and cut over, and general investigations, Reclamation Service, 1923-Dec. 31, 1924, are included in the expenditure column as contra.

<sup>3</sup> Disburse.

<sup>4</sup> Net amounts not transferred to projects.

<sup>5</sup> Expense for Bureau of Indian Affairs from reclamation fund and later reimbursed by congressional appropriation.

<sup>6</sup> Net amounts unabsorbed. Analysis of fund: Transferred from reclamation fund to civil-service retirement fund, \$143,785, deducted from pay of employees, \$141,445, unabsorbed balance, \$2,340.

Source. Bureau of Reclamation, Department of the Interior.

**No. 524.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE IRRIGABLE, IRRIGATED, AND CROPPED, AND VALUE OF CROPS, 1926**

[NOTE.—See general note, p. 567. "Other lands served by Government works" are those usually furnished with a partial water supply through private canals under Warren Act contracts]

| State and project                        | Lands in projects proper       |                    |                              |                                       | Other lands served by Government works |                    |                 |                                       |
|--|--------------------------------|--------------------|------------------------------|---------------------------------------|--|--------------------|-----------------|---------------------------------------|
|  | Irrigable acreage <sup>1</sup> | Irrigated acreage  | Cropped acreage <sup>2</sup> | Crop value                            | Irrigable acreage                      | Irrigated acreage  | Cropped acreage | Crop value                            |
| <b>Total</b> .....                       | <b>1, 844, 550</b>             | <b>1, 411, 090</b> | <b>1, 338, 810</b>           | <i>Dollars</i><br><b>60, 366, 690</b> | <b>1, 366, 090</b>                     | <b>1, 097, 190</b> | <b>949, 590</b> | <i>Dollars</i><br><b>49, 750, 040</b> |
| Arizona: Salt River <sup>4</sup> .....   | 239, 850                       | 239, 850           | 221, 590                     | 16, 549, 160                          | 92, 700                                | 13, 400            | 13, 000         | 962, 000                              |
| Arizona-California:                      |                                |                    |                              |                                       |  |                    |                 |                                       |
| Yuma.....                                | 64, 870                        | 55, 020            | 54, 940                      | 2, 931, 820                           | 1, 270                                 | 1, 270             | 1, 190          | 66, 010                               |
| Yuma, auxiliary (Mesa).....              | 6, 310                         | 930                | 630                          | 30, 000                               |  |                    |                 |                                       |
| California: Orlando.....                 | 20, 750                        | 14, 680            | 12, 700                      | 624, 650                              |  |                    |                 |                                       |
| Colorado:                                |                                |                    |                              |                                       |  |                    |                 |                                       |
| Grand Valley.....                        | 30, 380                        | 14, 100            | 13, 500                      | 422, 880                              | 18, 350                                | 12, 300            | 11, 800         | 1, 160, 000                           |
| Uncompahgre.....                         | 94, 820                        | 58, 680            | 58, 490                      | 2, 056, 930                           | 2, 010                                 | 1, 850             | 1, 800          | 81, 000                               |
| Idaho:                                   |                                |                    |                              |                                       |  |                    |                 |                                       |
| Boise.....                               | 143, 270                       | 158, 080           | 139, 820                     | 3, 572, 980                           | 140, 300                               | 131, 000           | 125, 800        | 3, 680, 780                           |
| King Hill.....                           | 10, 000                        | 6, 360             | 6, 110                       | 183, 200                              |  |                    |                 |                                       |
| Minidoka.....                            | 121, 570                       | 102, 600           | 96, 800                      | 3, 672, 300                           | 635, 500                               | 597, 000           | 456, 400        | 22, 798, 000                          |
| Gravity division.....                    | 73, 400                        | 57, 730            | 54, 540                      | 2, 005, 580                           |  |                    |                 |                                       |
| Pumping division.....                    | 48, 170                        | 44, 870            | 42, 260                      | 1, 666, 720                           |  |                    |                 |                                       |
| Montana:                                 |                                |                    |                              |                                       |  |                    |                 |                                       |
| Huntley.....                             | 32, 540                        | 19, 790            | 19, 790                      | 839, 320                              |  |                    |                 |                                       |
| Milk River.....                          | 73, 250                        | 18, 800            | 18, 650                      | 352, 870                              | 43, 100                                | 20, 830            | 20, 690         | 493, 520                              |
| Sun River.....                           | 55, 880                        | 23, 140            | 28, 900                      | 552, 430                              |  |                    |                 |                                       |
| Fort Shaw division.....                  | 13, 900                        | 7, 180             | 7, 160                       | 142, 390                              |  |                    |                 |                                       |
| Greenfields and Big Coulee division..... | 41, 980                        | 15, 960            | 21, 740                      | 410, 040                              |  |                    |                 |                                       |
| Montana-North Dakota:                    |                                |                    |                              |                                       |  |                    |                 |                                       |
| Lower Yellowstone.....                   | 58, 250                        | 23, 330            | 23, 060                      | 743, 060                              |  |                    |                 |                                       |
| Nebraska-Wyoming:                        |                                |                    |                              |                                       |  |                    |                 |                                       |
| North Platte.....                        | 238, 160                       | 170, 840           | 168, 690                     | 4, 797, 110                           | 124, 400                               | 104, 000           | 104, 000        | 4, 809, 160                           |
| Interstate division.....                 | 114, 600                       | 84, 250            | 82, 870                      | 2, 664, 650                           |  |                    |                 |                                       |
| Fort Laramie division.....               | 107, 385                       | 76, 320            | 75, 610                      | 1, 885, 820                           |  |                    |                 |                                       |
| Northport division.....                  | 16, 175                        | 10, 270            | 10, 210                      | 246, 640                              |  |                    |                 |                                       |
| Nevada: Newlands.....                    | 65, 280                        | 45, 460            | 41, 640                      | 1, 594, 280                           |  |                    |                 |                                       |
| New Mexico: Carlsbad.....                | 25, 280                        | 25, 280            | 22, 860                      | 1, 100, 620                           |  |                    |                 |                                       |
| New Mexico-Texas: Rio Grande.....        | 150, 000                       | 142, 520           | 128, 860                     | 7, 760, 900                           | 51, 650                                | 51, 650            | 51, 650         | 2, 532, 470                           |
| Oregon: Umatilla.....                    | 24, 590                        | 12, 230            | 11, 850                      | 297, 230                              |  |                    |                 |                                       |
| East division.....                       |                                | 7, 830             | 7, 640                       | 173, 250                              |  |                    |                 |                                       |
| West division.....                       |                                | 4, 400             | 4, 210                       | 123, 980                              |  |                    |                 |                                       |
| Oregon-California:                       |                                |                    |                              |                                       |  |                    |                 |                                       |
| Klamath.....                             | 45, 000                        | 38, 160            | 37, 190                      | 906, 750                              | 34, 070                                | 24, 090            | 23, 710         | 467, 920                              |
| Main division.....                       | 41, 860                        | 35, 470            | 34, 880                      | 834, 590                              |  |                    |                 |                                       |
| Tule Lake division.....                  | 3, 140                         | 2, 690             | 2, 310                       | 72, 160                               |  |                    |                 |                                       |
| South Dakota: Belle Fourche.....         | 74, 570                        | 36, 260            | 47, 730                      | 880, 320                              |  |                    |                 |                                       |
| Utah: Strawberry Valley.....             | 53, 890                        | 39, 830            | 30, 300                      | 741, 480                              | 19, 500                                | 18, 000            | 17, 750         | 365, 080                              |
| Washington:                              |                                |                    |                              |                                       |  |                    |                 |                                       |
| Okanogan.....                            | 7, 300                         | 4, 580             | 3, 850                       | 512, 890                              |  |                    |                 |                                       |
| Yakima.....                              | 134, 460                       | 122, 100           | 102, 850                     | 8, 331, 300                           | 166, 170                               | 121, 800           | 121, 800        | 12, 334, 100                          |
| Sunnyside division.....                  | 102, 460                       | 94, 000            | 79, 750                      | 6, 271, 350                           |  |                    |                 |                                       |
| Tieton division.....                     | 32, 000                        | 28, 100            | 23, 100                      | 2, 059, 950                           |  |                    |                 |                                       |
| Wyoming:                                 |                                |                    |                              |                                       |  |                    |                 |                                       |
| Shoshone.....                            | 65, 280                        | 38, 120            | 37, 750                      | 912, 720                              |  |                    |                 |                                       |
| Garland division.....                    |                                | 30, 460            | 30, 320                      | 763, 670                              |  |                    |                 |                                       |
| Frannie division.....                    |                                | 7, 660             | 7, 430                       | 149, 050                              |  |                    |                 |                                       |
| Riverton.....                            | 9, 000                         | 280                | 260                          | 2, 420                                |  |                    |                 |                                       |

<sup>1</sup> Area Bureau of Reclamation was prepared to supply water.

<sup>2</sup> Irrigated crops. Includes 17,250 acres on two projects cropped without irrigation.

<sup>3</sup> Excludes 32,660 cropped acreage, valued at \$295,280, cropped without irrigation.

<sup>4</sup> Source: Salt River Valley Water Users' Association, which operates the project, data for year October, 1925, to September, 1926.

<sup>5</sup> Includes 18,259 acres reported as vacant, "home tracts," etc., on which no crops were reported.

<sup>6</sup> Includes 5,780 acres cropped without irrigation.

<sup>7</sup> Includes 11,470 acres cropped without irrigation.

Source: Bureau of Reclamation, Department of Interior.

### No. 525.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE IRRIGABLE, IRRIGATED, AND CROPPED, AND VALUE OF CROPS

[NOTE.—Acreage in thousands and value in thousands of dollars. Acreage and value excludes nonirrigated crops grown on projects. See general note, p. 567; also headnote, Table 526.]

| Year      | Irrigable acreage | Irrigated acreage | Cropped acreage | Crop value | Year      | Irrigable acreage | Irrigated acreage | Cropped acreage | Crop value |
|-----------|-------------------|-------------------|-----------------|------------|-----------|-------------------|-------------------|-----------------|------------|
| 1915..... | 1, 390            | 818               | 758             | 18, 164    | 1922..... | 1, 698            | 1, 267            | 1, 169          | 89, 361    |
| 1916..... | 1, 405            | 823               | 808             | 22, 816    | 1923..... | 1, 718            | 1, 311            | 1, 180          | 64, 648    |
| 1917..... | 1, 803            | 1, 037            | 967             | 54, 403    | 1924..... | 1, 896            | 1, 361            | 1, 317          | 65, 489    |
| 1918..... | 1, 602            | 1, 130            | 1, 051          | 65, 821    | 1925..... | 1, 883            | 1, 330            | 1, 213          | 77, 609    |
| 1919..... | 1, 636            | 1, 137            | 1, 113          | 85, 974    | 1926..... | 1, 845            | 1, 411            | 1, 339          | 63, 370    |
| 1920..... | 1, 682            | 1, 235            | 1, 154          | 65, 173    | 1927..... | 1, 845            | 1, 379            | 1, 337          | 70, 986    |
| 1921..... | 1, 674            | 1, 236            | 1, 165          | 49, 620    |           |                   |                   |                 |            |

### No. 526.—ACREAGE, PRODUCTION, AND VALUE OF INDIVIDUAL CROPS ON IRRIGATED LAND ON RECLAMATION PROJECTS

[NOTE.—These figures are limited to irrigated crops covered by crop census on Government irrigation projects proper, excluding all crops in moist areas served with stored water under the Warren Act, and are for calendar years except data for Salt River project, which are for the year ending September of year specified. Data include nonirrigated crops grown on projects: Total acreage 1926, 22,660, 1927, 104,780; value of all crops, \$266,280 and \$1,061,760, respectively.]

| Crop                          | Acreage cropped |             | Production       |                  | Crop value     |                | Yield per acre |                |
|-------------------------------|-----------------|-------------|------------------|------------------|----------------|----------------|----------------|----------------|
|                               | 1926            | 1927        | 1926             | 1927             | 1926           | 1927           | 1926           | 1927           |
| <b>Total, all crops</b> ..... | 1, 361, 470     | 1, 431, 580 | <i>Bushels</i>   | <i>Bushels</i>   | <i>Dollars</i> | <i>Dollars</i> | <i>Bushels</i> | <i>Bushels</i> |
| <b>Cereals</b> .....          | 819, 800        | 348, 618    | 8, 058, 377      | 9, 814, 684      | 8, 568, 287    | 9, 077, 799    | 8.1            | 26.9           |
| Barley.....                   | 46, 933         | 58, 618     | 1, 339, 957      | 1, 953, 587      | 810, 298       | 1, 210, 785    | 29.0           | 32.2           |
| Corn.....                     | 61, 306         | 62, 279     | 1, 428, 313      | 1, 672, 480      | 1, 056, 455    | 1, 123, 296    | 23.2           | 26.8           |
| Oats.....                     | 28, 454         | 24, 289     | 1, 274, 304      | 1, 215, 655      | 487, 176       | 552, 155       | 33.1           | 35.4           |
| Rye.....                      | 1, 900          | 6, 261      | 20, 598          | 108, 626         | 15, 416        | 80, 572        | 10.3           | 17.3           |
| Wheat.....                    | 170, 517        | 186, 571    | 3, 900, 295      | 4, 868, 285      | 4, 218, 969    | 5, 110, 080    | 23.4           | 26.0           |
| <b>Other seeds</b> .....      | 36, 783         | 47, 441     | 130, 599         | 219, 043         | 1, 980, 030    | 1, 987, 039    | 3.2            | 4.6            |
| Alfalfa seed.....             | 20, 336         | 31, 471     | 60, 156          | 138, 925         | 377, 110       | 1, 054, 225    | 3.0            | 4.4            |
| Clover seed.....              | 14, 822         | 13, 987     | 51, 104          | 56, 483          | 686, 967       | 601, 718       | 3.4            | 4.0            |
| Grain sorghum.....            | 84              | -----       | 1, 747           | -----            | 1, 643         | -----          | 27.3           | -----          |
| Flaxseed.....                 | 1, 451          | 1, 983      | 6, 592           | 23, 635          | 12, 310        | 41, 053        | 4.6            | 12.0           |
| <b>Hay and forage</b> .....   | 717, 713        | 838, 184    | <i>Tons</i>      | <i>Tons</i>      | <i>Dollars</i> | <i>Dollars</i> | <i>Tons</i>    | <i>Tons</i>    |
| Alfalfa hay.....              | 450, 737        | 438, 675    | 1, 291, 342      | 1, 277, 376      | 11, 638, 496   | 12, 081, 678   | 2.8            | 2.9            |
| Clover hay.....               | 12, 383         | 8, 819      | 17, 256          | 11, 980          | 115, 227       | 76, 466        | 1.3            | 1.3            |
| Other hay.....                | 26, 011         | 53, 814     | 44, 528          | 59, 229          | 419, 879       | 545, 805       | 1.2            | 1.1            |
| Corn fodder.....              | 6, 495          | 5, 337      | 25, 041          | 12, 584          | 160, 691       | 74, 829        | 3.3            | 2.3            |
| Other forage.....             | 34, 991         | 19, 447     | 54, 686          | 53, 115          | 777, 769       | 670, 223       | 1.5            | 2.7            |
| Pasture.....                  | 176, 896        | 312, 092    | -----            | -----            | 1, 763, 877    | 3, 258, 549    | -----          | -----          |
| <b>Vegetables</b> .....       | 98, 308         | 118, 844    | <i>Bushels</i>   | <i>Bushels</i>   | <i>Dollars</i> | <i>Dollars</i> | <i>Bushels</i> | <i>Bushels</i> |
| Beans.....                    | 11, 826         | 13, 193     | 159, 449         | 208, 569         | 399, 340       | 518, 877       | 13.6           | 16.0           |
| Onions.....                   | 9, 550          | 5, 553      | 853, 647         | 801, 443         | 1, 354, 051    | 404, 508       | 90.0           | 141.0          |
| Potatoes, white.....          | 41, 255         | 58, 162     | 7, 363, 835      | 10, 543, 065     | 5, 960, 479    | 4, 334, 330    | 178.5          | 181.3          |
| Potatoes, sweet.....          | 549             | 498         | 79, 449          | 41, 502          | 82, 640        | 62, 239        | 144.7          | 83.2           |
| Truck.....                    | 30, 028         | 41, 337     | -----            | -----            | 5, 668, 616    | 7, 707, 526    | -----          | -----          |
| <b>Fruits and nuts</b> .....  | 44, 478         | 46, 339     | <i>1,000 lbs</i> | <i>1,000 lbs</i> | <i>Dollars</i> | <i>Dollars</i> | <i>Pounds</i>  | <i>Pounds</i>  |
| Apples.....                   | 24, 463         | 23, 908     | 253, 264         | 207, 184         | 2, 570, 114    | 5, 294, 092    | 10, 953        | 8, 666         |
| Peaches.....                  | 2, 671          | 2, 301      | 20, 145          | 5, 404           | 276, 296       | 178, 305       | 7, 542         | 2, 455         |
| Pears.....                    | 4, 531          | 4, 660      | 42, 686          | 20, 238          | 643, 176       | 572, 331       | 9, 217         | 4, 105         |
| Prunes.....                   | 2, 441          | 2, 415      | 9, 465           | 10, 296          | 109, 586       | 202, 543       | 3, 877         | 4, 263         |
| Citrus fruits.....            | 2, 610          | 4, 719      | 22, 806          | 70, 550          | 1, 053, 670    | 1, 560, 348    | 8, 776         | 10, 712        |
| Small fruits.....             | 3, 402          | 3, 136      | 24, 314          | 15, 975          | 780, 260       | 464, 749       | 7, 147         | 5, 094         |
| Miscellaneous.....            | 4, 200          | 5, 023      | 8, 973           | 15, 406          | 470, 668       | 634, 168       | 2, 106         | 3, 067         |
| <b>Miscellaneous</b> .....    | 396, 741        | 394, 968    | -----            | -----            | 18, 565, 745   | 23, 917, 851   | -----          | -----          |
| Cotton.....                   | 200, 862        | 178, 875    | 82, 835          | 70, 140          | 13, 624, 785   | 16, 705, 727   | 395            | 362            |
| Cottonseed.....               | -----           | -----       | 153, 906         | 125, 283         | -----          | -----          | 732            | 700            |
| <b>Sugar beets</b> .....      | 60, 779         | 61, 963     | <i>Tons</i>      | <i>Tons</i>      | <i>Dollars</i> | <i>Dollars</i> | <i>Tons</i>    | <i>Tons</i>    |
| Cane.....                     | 128             | 1, 109      | 597, 580         | 744, 145         | 4, 512, 509    | 5, 843, 489    | 9.8            | 12.0           |
| Other crops.....              | 25, 062         | 52, 970     | 337              | 4, 097           | 3, 170         | 29, 573        | 2.7            | 3.5            |
| <b>Duplication</b> .....      | 146, 628        | 275, 225    | -----            | -----            | 425, 221       | 339, 060       | -----          | -----          |

<sup>1</sup> Data for Strawberry Valley project included in totals but not in individual crops—acreage, 12,880; value, \$405,980.

Source of Tables 525 and 526, Bureau of Reclamation, Department of the Interior.

**No. 527.—GOVERNMENT IRRIGATION: SUMMARY OF CONSTRUCTION WORK**

[NOTE.—See general note, p. 567]

| Item  | Fiscal year 1927 | To June 30, 1927 | Item  | Fiscal year 1927 | To June 30, 1927 |
|---|------------------|------------------|---|------------------|------------------|
| Reservoir capacity available (original).....acre-feet.. | 2, 058, 500      | 12, 556, 653     | Culverts.....number..                             | 398              | 12, 925          |
| Canals, ditches, and drains, total length.....miles..   | 132.9            | 16, 156.0        | Lengths.....feet..                                | 18, 227          | 476, 904         |
| Canals, total.....do.....                               | 21.8             | 13, 033.4        | Pipe, length.....do.....                          | 52, 805          | 3, 759, 800      |
| Second-foot capacity—                                   |                  |                  | Flumes.....number..                               | 77               | 4, 550           |
| Over 800.....miles..                                    | 4.1              | 521.6            | Length.....feet..                                 | 31, 588          | 836, 580         |
| 301 to 800.....do.....                                  |                  | 718.2            | Canals, lined, length:                            |                  |                  |
| 50 to 300.....do.....                                   | 7.5              | 2, 323.4         | Concrete.....miles..                              | 10.1             | 464.6            |
| Less than 50.....do.....                                | 10.2             | 9, 470.2         | Wood.....do.....                                  |                  | 4.1              |
| Waste-water ditches.....miles..                         | 13.2             | 1, 056.3         | Buildings.....number..                            | 34               | 1, 672           |
| Drains, open.....do.....                                | 95.7             | 1, 850.6         | Wells.....do.....                                 | 4                | 685              |
| Drains, closed.....do.....                              | 2.4              | 215.7            | Depth.....feet..                                  | 232              | 72, 579          |
| Tunnels.....number..                                    | 4                | 110              | Roads.....miles..                                 | 9.5              | 1, 064.8         |
| Length.....feet..                                       | 1, 862           | 155, 172         | Railroads.....do.....                             |                  | 83.0             |
| Storage and diversion dams, total.....cubic yards..     | 985, 109         | 20, 206, 351     | Telephone lines.....do.....                       |                  | 3, 350.3         |
| Masonry.....do.....                                     | 251, 828         | 2, 609, 387      | Transmission lines.....do.....                    | 85.5             | 1, 761.5         |
| Earth.....do.....                                       | 564, 301         | 15, 699, 809     | Power developed, water and steam.....horsepower.. | 74, 235          | 155, 903         |
| Rock fill and crib.....do.....                          | 168, 980         | 1, 897, 155      | Excavation, total.....cubic yards..               | 4, 809, 792      | 256, 426, 258    |
| Dikes and levees:                                       |                  |                  | Class 1, earth.....do.....                        | 4, 212, 227      | 232, 342, 336    |
| Length.....feet..                                       | 47, 866          | 1, 138, 109      | Class 2, indurated material.....cubic yards..     | 187, 816         | 13, 096, 417     |
| Volume.....cubic yards..                                | 197, 355         | 5, 911, 568      | Class 3, rock.....do.....                         | 409, 749         | 10, 987, 505     |
| Canal structures:                                       |                  |                  | Riprap laid.....do.....                           | 87, 504          | 2, 495, 049      |
| Concrete.....number..                                   | 592              | 55, 311          | Paving laid.....square yards..                    | 58, 381          | 1, 057, 143      |
| Wood.....do.....  | 821              | 89, 983          | Concrete laid.....cubic yards..                   | 134, 798         | 3, 851, 073      |
| Bridges.....do.....                                     | 155              | 11, 174          | Cement used.....barrels..                         | 317, 742         | 4, 255, 307      |
| Length.....feet..                                       | 3, 404           | 262, 626         | Granite.....square yards..                        | 241, 724         | 754, 868         |

Source: Bureau of Reclamation, Department of the Interior.

**No. 528.—IRRIGATION: SUMMARY FOR THE UNITED STATES, 1910 AND 1920**

[NOTE.—See general note, p. 567. Tables 528 to 532 relate to systematic irrigation enterprises and do not cover small irrigation work by individual farmers. They are based on reports of the management of the enterprises. An enterprise is defined as "an independent irrigation establishment and includes the works for supplying water and the land for which water is supplied, except that the cost and value of the land is not included in the capital invested." Statistics cover all States which have irrigation enterprises]

| Item  | Census of—       |                  | Increase <sup>1</sup>  |                  |
|---|------------------|------------------|------------------------|------------------|
|   | 1910             | 1920             | Amount                 | Per cent         |
| Number of all farms in 19 States included.....  | 1, 776, 046      | 1, 916, 391      | 140, 345               | 7.9              |
| Approximate land area of States included.....acres..                                  | 1, 224, 063, 360 | 1, 223, 989, 120 | <sup>2</sup> - 74, 240 | ( <sup>3</sup> ) |
| All land in farms in States included.....do.....                                      | 416, 462, 547    | 505, 440, 954    | 88, 978, 407           | 21.4             |
| Improved land in farms in States included.....do.....                                 | 186, 786, 227    | 214, 689, 819    | 27, 903, 592           | 14.9             |
| Number of farms irrigated.....  | 162, 723         | 231, 541         | 68, 818                | 42.3             |
| Area irrigated <sup>4</sup> .....acres..  | 14, 433, 285     | 19, 191, 716     | 4, 758, 431            | 33.0             |
| Area enterprises were capable of irrigating.....do.....                               | 20, 285, 403     | 26, 020, 477     | 5, 735, 074            | 28.3             |
| Area included in enterprises.....do.....  | 32, 245, 464     | 35, 890, 821     | 3, 645, 357            | 11.3             |
| Per cent irrigated:   |                  |                  |                        |                  |
| Number of all farms.....  | 9.2              | 12.1             | 2.9                    | -----            |
| Approximate land area.....  | 1.2              | 1.6              | .4                     | -----            |
| Land in farms.....  | 3.5              | 3.8              | .3                     | -----            |
| Improved land in farms.....   | 7.7              | 8.9              | 1.2                    | -----            |
| Excess of area enterprises were capable of irrigating over area irrigated.....acres.. | 5, 852, 118      | 6, 828, 761      | 976, 643               | 16.7             |
| Excess of area included in enterprises over area irrigated.....acres..                | 17, 812, 179     | 16, 699, 105     | -1, 113, 074           | -6.2             |
| Area of irrigated land reported as available for settlement.....acres..               | ( <sup>5</sup> ) | 2, 257, 981      | 2, 257, 981            | -----            |
| Capital invested.....dollars..  | 321, 454, 008    | 697, 657, 328    | 376, 203, 320          | 117.0            |
| Average per acre enterprises were capable of irrigating.....dollars..                 | 15.85            | 26.81            | 10.96                  | 69.1             |
| Estimated final cost of existing enterprises.....do.....                              | 437, 948, 825    | 819, 778, 005    | 381, 829, 180          | 87.2             |
| Average per acre included in enterprises.....do.....                                  | 13.58            | 22.84            | 9.26                   | 68.2             |

<sup>1</sup> A minus sign (—) denotes decrease.<sup>2</sup> Decrease due to the building of several reservoirs in connection with irrigation projects.<sup>3</sup> Less than one-tenth of 1 per cent decrease.<sup>4</sup> Figures are for 1909 and 1919, respectively.<sup>5</sup> Not reported in 1910.

Source: Bureau of the Census, Department of Commerce.

**No. 529.—IRRIGATION: ACREAGE, AND CAPITAL INVESTED, BY CHARACTER OF ENTERPRISE, 1910 AND 1920**

[NOTE.—See headnote, Table 528]

| Item and class                    | Area irrigated (acres) |            | Area enterprises were capable of irrigating (acres) |            | Area included in enterprises (acres) |            | Capital invested (thousands of dollars), 1920 |
|-----------------------------------|------------------------|------------|---|------------|--------------------------------------|------------|---|
|                                   | 1909                   | 1919       | 1909  | 1919       | 1910                                 | 1920       |   |
| Total.....                        | 14,438,285             | 19,191,716 | 30,385,408  | 38,090,477 | 31,346,484                           | 35,890,831 | 697,667                                       |
| Individual and partnership        | 6,594,614              | 6,848,807  | 8,086,766   | 9,258,756  | 10,621,067                           | 13,006,415 | 154,634                                       |
| Cooperative                       | 4,643,539              | 6,581,400  | 6,191,577   | 8,403,298  | 8,830,197                            | 10,628,543 | 183,042                                       |
| Irrigation district.....          | 529,642                | 1,822,897  | 800,451   | 2,531,425  | 1,581,465                            | 3,432,109  | 88,574  |
| Carey Act.....                    | 288,553                | 523,929    | 1,089,677   | 804,298    | 2,573,874                            | 1,188,937  | 32,081  |
| Commercial                        | 1,809,379              | 1,822,001  | 2,954,166   | 2,799,563  | 5,786,777                            | 3,999,581  | 85,736  |
| United States Reclamation Service | 395,646                | 1,254,569  | 786,190   | 1,680,643  | 1,978,016                            | 2,627,178  | 129,510                                       |
| United States Indian Service      | 172,912                | 284,651    | 376,576   | 494,486    | 579,068                              | 932,965    | 14,881  |
| State.....                        | (1)                    | 5,620      | (1)   | 7,379      | (1)                                  | 9,581      | 249   |
| City.....                         | (1)                    | 40,146     | (1)   | 44,458     | (1)                                  | 49,650     | 2,937   |
| Other and mixed.....              | (1)                    | 7,239      | (1)   | 8,546      | (1)                                  | 13,144     | 5,330   |
| Not reported.....                 | (1)                    | 570        | (1)   | 626        | (1)                                  | 700        | 49  |

1 Not included in classification in 1910.

Source: Bureau of the Census, Department of Commerce.

**No. 530.—IRRIGATION: ACREAGE AND CAPITAL INVESTED, BY DRAINAGE BASINS, 1902 AND 1920**

[NOTE.—See headnote, Table 528]

| Drainage basin  | Area irrigated (acres) |            | Area enterprises were capable of irrigating, 1920 (acres) | Area included in enterprises in 1920 (acres) | Capital invested (thousands of dollars) |         |
|---|------------------------|------------|---|--|---|---------|
|   | 1902                   | 1919       |   |  | 1902                                    | 1920    |
| Total.....  | 8,874,408              | 19,191,716 | 38,090,477  | 35,890,831                                   | 62,632                                  | 697,667 |
| Missouri River and tributaries.....                                     | 2,533,237              | 4,147,278  | 5,805,630   | 8,483,171                                    | 16,176                                  | 121,558 |
| Mississippi River and tributaries other than Missouri River.....        | 393,687                | 968,493    | 1,152,261   | 1,543,064                                    | 4,620                                   | 35,164  |
| Gulf of Mexico streams other than Mississippi River and Rio Grande..... | 21,533                 | 696,077    | 1,157,829   | 1,002,199                                    | 501                                     | 29,440  |
| Rio Grande and tributaries.....   | 496,687                | 1,203,863  | 1,887,433   | 2,594,127                                    | 6,367                                   | 34,173  |
| Independent streams in Rio Grande drainage basin.....                   | 8,356                  | 18,992     | 26,852  | 34,026                                       | 137                                     | 651     |
| Colorado River and tributaries.....                                     | 927,183                | 2,312,047  | 2,986,937   | 4,064,492                                    | 11,269                                  | 86,697  |
| White Water Draw and tributaries.....                                   | 384                    | 5,871      | 9,950   | 16,623                                       | 7                                       | 299     |
| Great Basin.....  | 1,639,473              | 2,313,163  | 2,869,858   | 4,238,028                                    | 10,800                                  | 66,589  |
| Columbia River and tributaries.....                                     | 1,297,437              | 3,873,245  | 4,968,618   | 6,336,801                                    | 10,841                                  | 145,672 |
| Pacific Ocean streams other than Columbia and Colorado Rivers.....      | 1,554,232              | 3,570,687  | 5,155,508   | 6,978,230                                    | 21,694                                  | 167,368 |

Source: Bureau of the Census, Department of Commerce.

**No. 531.—IRRIGATION: AREA IN IRRIGATION ENTERPRISES, CAPITAL INVESTED, AND COST OF OPERATION AND MAINTENANCE, 1910 AND 1920, BY STATES**

[NOTE. See headnote, Table 528.]

| State        | Area included in enterprises (acres) |            |                                   | Area enterprises were capable of irrigating (acres) |            |                                   | Area irrigated (acres) |            |                                   |
|--------------|--------------------------------------|------------|-----------------------------------|---|------------|-----------------------------------|------------------------|------------|-----------------------------------|
|              | 1910                                 | 1920       | Per cent of increase <sup>1</sup> | 1910  | 1920       | Per cent of increase <sup>1</sup> | 1900                   | 1910       | Per cent of increase <sup>1</sup> |
|              |                                      |            |                                   |   |            |                                   |                        |            |                                   |
| Total        | 32,945,464                           | 35,890,821 | 11.3                              | 20,255,403  | 26,080,477 | 28.3                              | 14,433,285             | 19,191,716 | 33.9                              |
| Arizona      | 944,090                              | 813,153    | 13.9                              | 387,655   | 627,303    | 61.8                              | 320,051                | 467,565    | 46.1                              |
| Arkansas     | 52,883                               | 246,480    | 366.1                             | 47,136  | 179,613    | 279.8                             | 27,753                 | 143,946    | 418.7                             |
| California   | 5,490,360                            | 7,805,207  | 42.2                              | 3,619,378   | 5,894,466  | 62.9                              | 2,664,104              | 4,219,040  | 58.4                              |
| Colorado     | 5,917,457                            | 5,220,588  | -11.8                             | 3,990,166   | 3,855,348  | -3.4                              | 2,792,032              | 3,348,395  | 19.9                              |
| Idaho        | 3,549,573                            | 3,780,048  | 6.5                               | 2,388,959   | 3,092,810  | 29.5                              | 1,430,848              | 2,488,806  | 73.9                              |
| Kansas       | 161,300                              | 102,562    | -36.4                             | 139,985   | 67,853     | -51.5                             | 37,479                 | 47,312     | 26.2                              |
| Louisiana    | 581,965                              | 851,211    | 46.3                              | 553,220   | 728,742    | 31.7                              | 380,200                | 454,882    | 19.6                              |
| Montana      | 3,515,602                            | 4,329,148  | 23.1                              | 2,205,155   | 2,753,498  | 24.9                              | 1,679,084              | 1,681,729  | .2                                |
| Nebraska     | 680,133                              | 766,768    | 12.7                              | 429,225   | 562,468    | 31.0                              | 255,950                | 442,690    | 73.0                              |
| Nevada       | 1,232,142                            | 1,382,036  | 12.2                              | 840,962   | 704,708    | -16.2                             | 701,833                | 561,447    | -20.0                             |
| New Mexico   | 1,102,297                            | 961,879    | -12.7                             | 644,970   | 696,119    | 7.9                               | 461,718                | 538,377    | 16.6                              |
| North Dakota | 38,173                               | 57,476     | 50.6                              | 21,917  | 34,235     | 56.2                              | 10,248                 | 12,072     | 17.8                              |
| Oklahoma     | 8,528                                | 11,742     | 37.7                              | 6,397   | 9,672      | 51.2                              | 4,388                  | 2,969      | -32.3                             |
| Oregon       | 2,527,208                            | 1,925,987  | -23.8                             | 830,526   | 1,344,046  | 61.8                              | 686,129                | 966,162    | 43.7                              |
| South Dakota | 201,625                              | 188,382    | -6.6                              | 128,481   | 150,914    | 17.5                              | 63,248                 | 100,682    | 59.2                              |
| Texas        | 1,253,173                            | 1,687,447  | 34.7                              | 660,991   | 1,160,542  | 66.5                              | 451,130                | 586,120    | 29.9                              |
| Utah         | 1,947,625                            | 2,359,244  | 21.1                              | 1,250,246   | 1,700,550  | 36.0                              | 999,410                | 1,371,651  | 37.2                              |
| Washington   | 817,032                              | 836,795    | 2.4                               | 470,514   | 637,151    | 35.4                              | 334,378                | 529,899    | 58.5                              |
| Wyoming      | 2,224,296                            | 2,564,668  | 15.3                              | 1,639,510   | 1,831,039  | 11.7                              | 1,133,302              | 1,307,982  | 15.6                              |

| State        | Capital invested (dollars) |             |                  |       | Estimated final cost (dollars) |             |                  |       | Average cost of operation and maintenance per acre (dollars) <sup>1,2</sup> |       |
|--------------|----------------------------|-------------|------------------|-------|--------------------------------|-------------|------------------|-------|---|-------|
|              | Amount                     |             | Average per acre |       | Amount                         |             | Average per acre |       |   |       |
|              | 1910                       | 1920        | 1910             | 1920  | 1910                           | 1920        | 1910             | 1920  | 1900  | 1910  |
| Total        | 331,454,006                | 697,657,329 | 15.65            | 36.61 | 437,948,635                    | 819,776,005 | 12.58            | 22.84 | 1.07  | 2.43  |
| Arizona      | 17,677,966                 | 33,498,094  | 45.90            | 53.40 | 24,828,868                     | 34,615,064  | 26.30            | 42.57 | 0.93  | 2.27  |
| Arkansas     | 587,834                    | 7,183,322   | 12.47            | 40.13 | 612,834                        | 7,283,522   | 11.59            | 29.55 | ( <sup>3</sup> )  | 13.67 |
| California   | 72,580,030                 | 194,886,398 | 20.05            | 32.06 | 84,392,344                     | 225,799,123 | 15.37            | 28.43 | 1.54  | 4.40  |
| Colorado     | 56,636,443                 | 58,302,442  | 14.19            | 22.90 | 76,443,239                     | 95,198,423  | 12.92            | 18.24 | .75   | .87   |
| Idaho        | 40,977,688                 | 91,501,000  | 17.15            | 29.59 | 58,451,106                     | 97,019,717  | 16.47            | 25.67 | .63   | 1.17  |
| Kansas       | 1,365,563                  | 2,067,381   | 9.75             | 30.47 | 1,365,563                      | 2,195,981   | 8.47             | 21.41 | 1.59  | 3.29  |
| Louisiana    | 6,859,166                  | 14,063,181  | 12.40            | 19.30 | 6,914,166                      | 14,264,178  | 11.88            | 16.76 | ( <sup>3</sup> )  | 7.01  |
| Montana      | 22,970,958                 | 52,143,363  | 10.42            | 18.94 | 32,382,077                     | 70,079,026  | 9.21             | 14.19 | .89   | 1.26  |
| Nebraska     | 7,798,310                  | 13,909,185  | 18.17            | 24.73 | 9,485,231                      | 18,030,154  | 13.95            | 23.51 | 1.09  | 1.48  |
| Nevada       | 6,721,924                  | 14,754,280  | 7.99             | 20.94 | 12,188,756                     | 22,648,747  | 9.89             | 16.39 | .97   | .79   |
| New Mexico   | 9,154,897                  | 16,210,412  | 14.19            | 26.16 | 11,640,091                     | 20,440,646  | 10.56            | 21.25 | 1.36  | 2.41  |
| North Dakota | 836,482                    | 1,857,118   | 38.17            | 54.25 | 836,482                        | 2,072,766   | 21.91            | 36.06 | 28.40   | 5.50  |
| Oklahoma     | 47,200                     | 151,325     | 7.38             | 15.65 | 47,200                         | 162,775     | 5.53             | 13.86 | .51   | 2.92  |
| Oregon       | 12,760,214                 | 28,929,151  | 15.36            | 21.52 | 39,216,619                     | 41,565,742  | 15.52            | 21.59 | .75   | 1.19  |
| South Dakota | 3,043,140                  | 5,465,248   | 23.69            | 36.21 | 3,800,556                      | 5,500,748   | 18.85            | 29.20 | .64   | 1.26  |
| Texas        | 13,487,347                 | 35,072,739  | 19.62            | 30.48 | 14,754,172                     | 39,800,871  | 11.77            | 23.62 | 3.25  | 6.92  |
| Utah         | 14,029,717                 | 32,037,351  | 11.22            | 18.84 | 17,840,775                     | 33,835,641  | 9.16             | 14.34 | .65   | 1.08  |
| Washington   | 16,219,149                 | 29,299,011  | 34.47            | 45.98 | 22,322,856                     | 37,684,591  | 27.32            | 45.03 | 3.08  | 1.48  |
| Wyoming      | 17,700,980                 | 34,326,328  | 10.80            | 18.75 | 20,425,890                     | 51,500,283  | 9.18             | 20.06 | .86   | 3.04  |

<sup>1</sup>A minus sign (-) denotes decrease.

<sup>2</sup>Figures for 1900 do not include cost of operation and maintenance for rice-growing districts in Gulf States; consequently, figures for 1900 and 1910 are not comparable.

<sup>3</sup>When water is pumped, cost of operation and maintenance includes cost of fuel and attendance.

<sup>4</sup>Not reported in 1900.

Source: Bureau of the Census, Department of Commerce.

## No. 582.—IRRIGATION: CROPS GROWN ON IRRIGATED LAND, 1910

[Note.—See headnotes, Tables 528 and 529. The figures given are probably incomplete but are fairly indicative of the relative importance of different crops on irrigated land and of the average yields and values per acre. For comparison the average yields per acre on nonirrigated land in the States having irrigation projects (not for the entire country) are shown.]

| Crop                                       | Area harvested (acres)  | Quantity harvested |               | Average yield per acre in States having irrigation enterprises |                      | Value (dollars) |                  |
|--|-------------------------|--------------------|---------------|--|----------------------|-----------------|------------------|
|  |                         | Unit               | Amount        | On irrigated land  | On nonirrigated land | Amount          | Average per acre |
| <b>Cereals:</b>                            |                         |                    |               |  |                      |                 |                  |
| Corn.....                                  | 308,312                 | Bushel             | 7,335,354     | 23.8   | 21.8                 | 11,832,813      | 44.41            |
| Oats.....                                  | 326,823                 | do                 | 6,361,126     | 20.5   | 20.5                 | 9,524,406       | 29.20            |
| Winter wheat.....                          | 381,127                 | do                 | 7,115,308     | 18.7   | 14.1                 | 15,269,840      | 40.08            |
| Spring wheat.....                          | 577,411                 | do                 | 17,679,828    | 30.1   | 7.6                  | 37,556,853      | 42.80            |
| Barley.....                                | 280,287                 | do                 | 7,202,430     | 25.7   | 17.2                 | 10,775,076      | 38.44            |
| Rye.....                                   | 19,014                  | do                 | 168,977       | 8.9  | 7.4                  | 295,087         | 15.57            |
| Kafir, milo, etc.....                      | 162,768                 | do                 | 4,160,338     | 25.6   | 19.6                 | 6,725,361       | 44.82            |
| Rice (rough) <sup>1</sup> .....            | 862,761                 | do                 | 22,082,375    | 25.2   | 4.1                  | 96,368,000      | 107.94           |
| <b>Other grains and seeds:</b>             |                         |                    |               |  |                      |                 |                  |
| Clover and alfalfa seed <sup>2</sup> ..... | 36,491                  | do                 | 161,887       | 4.1  | 1.4                  | 3,493,763       | 87.79            |
| Dry beans, navy, etc.....                  | 177,782                 | do                 | 2,665,587     | 15.1   | 10.2                 | 12,666,266      | 72.06            |
| Dry peas, Canada.....                      | 51,464                  | do                 | 637,800       | 12.4   | 10.0                 | 2,042,455       | 39.69            |
| <b>Hay and forage:</b>                     |                         |                    |               |  |                      |                 |                  |
| Timothy alone.....                         | 140,807                 | Ton                | 178,112       | 1.26   | 1.09                 | 4,592,906       | 32.59            |
| Timothy and clover mixed.....              | 292,290                 | do                 | 369,801       | 1.42   | 1.80                 | 12,782,633      | 34.14            |
| Clover alone.....                          | 40,879                  | do                 | 62,465        | 1.55   | 1.84                 | 1,334,600       | 32.66            |
| Alfalfa.....                               | 3,181,678               | do                 | 3,430,766     | 2.02   | 1.84                 | 186,301,309     | 58.14            |
| Other tame grasses.....                    | 254,313                 | do                 | 316,308       | 1.26   | 1.32                 | 6,478,377       | 25.45            |
| Wild, salt, or prairie grasses.....        | 1,084,807               | do                 | 951,345       | .92  | .82                  | 17,064,680      | 17.26            |
| Small grains cut for hay.....              | 291,097                 | do                 | 372,739       | 1.28   | .92                  | 8,443,901       | 28.98            |
| Annual legumes cut for hay.....            | 19,851                  | do                 | 28,334        | 1.43   | 1.20                 | 494,052         | 24.80            |
| Silage crops.....                          | 56,424                  | do                 | 368,830       | 6.59   | 4.54                 | 3,831,525       | 67.91            |
| Corn cut for forage.....                   | 36,680                  | do                 | 87,389        | 2.38   | 1.51                 | 1,121,730       | 30.57            |
| Kafir, sorghum, etc., for forage.....      | 51,981                  | do                 | 106,085       | 2.04   | 1.68                 | 1,614,325       | 31.08            |
| Root crops for forage.....                 | 2,631                   | do                 | 19,543        | 7.43   | 11.11                | 340,329         | 129.35           |
| <b>Vegetables</b>                          |                         |                    |               |  |                      |                 |                  |
| Potatoes.....                              | 164,194                 | Bushel             | 22,978,730    | 140.0  | 64.9                 | 50,778,993      | 328.32           |
| Cantaloupes and muskmelons.....            | 20,874                  | do                 | do            | do   | do                   | 3,853,087       | 184.29           |
| Tomatoes.....                              | 20,849                  | do                 | do            | do   | do                   | 2,701,968       | 130.65           |
| <b>Orchard fruits:</b>                     |                         |                    |               |  |                      |                 |                  |
| Grapes.....                                | <sup>3</sup> 73,675,084 | Pound              | 1,131,279,429 | <sup>4</sup> 15.4  | <sup>5</sup> 11.3    | 36,304,262      | -----            |
| Apples.....                                | <sup>3</sup> 9,085,336  | Bushel             | 22,402,306    | <sup>4</sup> 2.5   | <sup>5</sup> 1.7     | 24,566,584      | -----            |
| Peaches.....                               | <sup>3</sup> 7,062,692  | do                 | 12,224,500    | <sup>4</sup> 1.9   | <sup>5</sup> 1.2     | 24,670,264      | -----            |
| Pears.....                                 | <sup>3</sup> 1,849,429  | do                 | 3,479,806     | <sup>4</sup> 1.9   | <sup>5</sup> 1.4     | 4,695,843       | -----            |
| Plums and prunes.....                      | <sup>3</sup> 4,306,976  | do                 | 7,074,240     | <sup>4</sup> 1.6   | <sup>5</sup> 1.0     | 15,188,490      | -----            |
| Cherries.....                              | <sup>3</sup> 687,907    | do                 | 578,354       | <sup>4</sup> .9  | <sup>5</sup> .6      | 2,129,891       | -----            |
| <b>Subtropical fruits:</b>                 |                         |                    |               |  |                      |                 |                  |
| Oranges.....                               | <sup>3</sup> 3,711,152  | Box                | 18,774,366    | <sup>4</sup> 2.2   | <sup>5</sup> 1.8     | 58,244,423      | -----            |
| Lemons.....                                | <sup>3</sup> 2,294,716  | do                 | 5,776,149     | <sup>4</sup> 2.5   | <sup>5</sup> 1.8     | 16,750,832      | -----            |
| <b>Miscellaneous:</b>                      |                         |                    |               |  |                      |                 |                  |
| Sugar beets grown for sugar.....           | 377,655                 | Ton                | 3,567,522     | 9.45   | 8.28                 | 38,831,339      | 102.32           |
| Cotton.....                                | 214,576                 | Bale               | 112,862       | .53  | .29                  | 30,457,681      | 141.94           |

<sup>1</sup> Quantity harvested and value given for irrigated land were not tabulated separately. The totals given include small amounts of rice grown without irrigation.

<sup>2</sup> Not including red clover seed.

<sup>3</sup> Number of vines of bearing age.

<sup>4</sup> Yield per vine.

<sup>5</sup> Number of trees of bearing age.

<sup>6</sup> Yield per tree.

Source: Bureau of the Census, Department of Commerce.



**No. 533.—IRRIGATION: ACREAGE AND VALUE OF CROPS GROWN ON IRRIGATED LAND, 1919**

[NOTE.—The data in this table are from schedules of individual farmers and not from the managements of irrigation enterprises, as in the case of Table 532. It is believed that the returns are incomplete, some crops actually grown on irrigated land not having been distinguished as such. In the tabulation for each State crops of which the aggregate area in the State was reported as less than 500 acres were omitted, but these form such a small part of the total as to be negligible.]

| State          | Acreage           | Value (dollars)    |                  | State           | Acreage | Value (dollars) |                  |
|----------------|-------------------|--------------------|------------------|-----------------|---------|-----------------|------------------|
|                |                   | Amount             | Average per acre |                 |         | Amount          | Average per acre |
| <b>Total</b>   | <b>10,482,653</b> | <b>801,005,296</b> | <b>76.41</b>     | Nevada.....     | 331,177 | 12,390,593      | 37.41            |
| Arizona.....   | 333,616           | 34,190,780         | 102.49           | New Mexico...   | 233,893 | 11,400,144      | 48.74            |
| Arkansas.....  | 143,944           | 18,352,240         | 127.49           | North Dakota... | 26,280  | 267,148         | 10.57            |
| California.... | 2,329,052         | 319,208,503        | 137.06           | Oklahoma.....   | (1)     | —               | —                |
| Colorado.....  | 1,946,676         | 100,215,136        | 51.48            | Oregon.....     | 274,564 | 12,294,191      | 44.77            |
| Idaho.....     | 1,203,270         | 75,830,746         | 63.85            | South Dakota... | 67,021  | 2,403,548       | 35.86            |
| Kansas.....    | 28,502            | 842,161            | 29.55            | Texas.....      | 395,353 | 22,343,976      | 75.65            |
| Louisiana..... | 454,862           | 42,735,849         | 93.93            | Utah.....       | 843,219 | 50,114,342      | 59.43            |
| Montana.....   | 867,226           | 30,382,674         | 35.03            | Washington....  | 395,196 | 39,601,619      | 100.71           |
| Nebraska.....  | 199,815           | 11,547,679         | 57.79            | Wyoming.....    | 509,945 | 15,683,907      | 30.76            |

<sup>1</sup> No one crop reported with as much as 500 acres.

Source: Bureau of the Census, Department of Commerce.

**No. 534.—DRAINAGE OF FARM LANDS AND DRAINAGE ENTERPRISES IN THE UNITED STATES, 1920**

[NOTE.—The statistics of drainage on farms in the first part of this table and the statistics of drainage enterprises in the second part are from wholly different sources and are not comparable. The former are from schedules of individual farmers and the latter from a special canvass of organized drainage enterprises. The farm may have artificial drainage without being connected with any general enterprise. Conversely, a general enterprise may facilitate the ultimate removal of water from a farm which has itself no artificial drainage. The statements of farmers as to additional land needing drainage are likely to be less precise than those as to area actually drained artificially. Drainage enterprises comprise public corporations and local improvement districts established under State laws relating to drainage, commercial enterprises draining land for sale, other organizations engaged in extensive land drainage work, and tracts of 500 acres or more drained by individual farm owners. The enterprises in some States include considerable areas of timber and other unimproved land not in farms. The canvass of drainage enterprises did not include any of the northeastern States, and no enterprises were found in Alabama, Virginia, or West Virginia.]

| Item  | Amount      | Per cent of total | Item   | Amount        | Per cent of total |
|---|-------------|-------------------|--|---------------|-------------------|
| <b>DRAINAGE ON FARMS</b>  |             |                   | <b>DRAINAGE ENTERPRISES</b>  |               |                   |
| Number of all farms in the United States.....                                   | 6,448,343   | 100.0             | Approximate land area of States included.....acres..   | 1,717,932,160 | 100.0             |
| Farms reporting land having drainage.....                                       | 824,815     | 14.3              | All land in operating drainage enterprises.....acres..                                       | 65,495,036    | 3.8               |
| Farms reporting land needing drainage.....                                      | 956,696     | 14.8              | Improved land.....do.....  | 44,368,235    | 2.6               |
| Farms reporting both land provided with drainage and land needing drainage..... | 462,623     | 6.2               | Timber and cut-over land.....acres..   | 11,283,532    | .7                |
| All land in farms.....acres..   | 665,863,715 | 100.0             | Other unimproved land.....acres..  | 9,923,271     | .6                |
| Improved land in farms.....acres..  | 503,073,007 | 52.6              | Total capital invested in and required for completion of operating enterprises.....dollars.. | 434,804,976   | 100.0             |
| Farm land reported as provided with drainage.....acres..                        | 53,024,978  | 8.6               | Capital invested in these enterprises to Dec. 31, 1919.....dollars..                         | 372,273,667   | 85.7              |
| Farm land reported as needing drainage.....acres..                              | 29,169,639  | 4.1               | Additional capital required to complete these enterprises.....dollars..                      | 62,531,412    | 14.3              |

Source: Bureau of the Census, Department of Commerce.

### No. 535.—DRAINAGE ENTERPRISES CLASSIFIED BY CHARACTER OF ORGANIZATION: 1920

[NOTE.—See headnote, Table 534]

| Character of enterprise                             | Operating enterprises                    |                           |                                 | Nonoperating enterprises                 |                           |                                 |
|---|--|---------------------------|---------------------------------|--|---------------------------|---------------------------------|
|   | Land in enterprises (acres) <sup>1</sup> | Capital (dollars)         |                                 | Land in enterprises (acres) <sup>1</sup> | Capital (dollars)         |                                 |
|   |  | Invested to Dec. 31, 1919 | Additional required to complete |  | Invested to Dec. 31, 1919 | Additional required to complete |
| <b>Total</b> .....                                  | <b>65, 495, 038</b>                      | <b>372, 273, 567</b>      | <b>62, 321, 412</b>             | <b>3, 924, 821</b>                       | <b>1, 123, 458</b>        | <b>34, 937, 678</b>             |
| Drainage districts.....                             | 22, 069, 597                             | 172, 013, 972             | 39, 136, 568                    | 3, 260, 104                              | 772, 834                  | 26, 339, 970                    |
| General State laws.....                             | 20, 239, 956                             | 147, 511, 259             | 24, 593, 523                    | 2, 667, 056                              | 752, 830                  | 25, 073, 970                    |
| Special acts.....                                   | 1, 829, 641                              | 24, 502, 713              | 14, 543, 045                    | 593, 048                                 | 20, 004                   | 1, 266, 000                     |
| County drains.....                                  | 37, 870, 803                             | 169, 743, 093             | 9, 682, 477                     | 596, 694                                 | 302, 224                  | 8, 139, 808                     |
| Township drains.....                                | 195, 133                                 | 574, 963                  | 4, 500                          | 423                                      | -----                     | 2, 400                          |
| State drainage projects.....                        | 1, 422, 844                              | 6, 845, 429               | 6, 434, 440                     | -----                                    | -----                     | -----                           |
| United States Reclamation Service.....              | 287, 899                                 | 3, 912, 370               | 2, 530, 243                     | 7, 000                                   | -----                     | 150, 000                        |
| Irrigation districts.....                           | 175, 200                                 | 1, 459, 714               | 2, 553, 829                     | -----                                    | -----                     | -----                           |
| Commercial developments.....                        | 212, 421                                 | 3, 279, 829               | 1, 128, 000                     | 50, 000                                  | 45, 000                   | 150, 000                        |
| Individual ownership.....                           | 432, 397                                 | 6, 449, 252               | 841, 750                        | 10, 600                                  | 3, 400                    | 155, 500                        |
| Character not precisely reported <sup>2</sup> ..... | 2, 828, 744                              | 7, 994, 945               | 9, 605                          | -----                                    | -----                     | -----                           |

<sup>1</sup> Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.

<sup>2</sup> All except 35,062 acres and \$218,951 invested to Dec. 31, 1919, relate to either drainage districts or county drains in Indiana.

Source: Bureau of the Census, Department of Commerce.

### No. 536.—DRAINAGE ENTERPRISES CLASSIFIED BY DATE OF ORGANIZATION: 1920

[NOTE.—See headnote, Table 534]

| Date of organization | Land                                     |                               | Capital (dollars)         |                                 | Cost per acre assessed acreage (dollars) |
|----------------------|--|-------------------------------|---------------------------|---------------------------------|--|
|                      | Area in enterprises (acres) <sup>1</sup> | Assessed acreage <sup>2</sup> | Invested to Dec. 31, 1919 | Additional required to complete |  |
| <b>Total</b> .....   | <b>65, 495, 038</b>                      | <b>95, 629, 291</b>           | <b>372, 273, 567</b>      | <b>62, 321, 412</b>             | <b>4. 54</b>                             |
| Before 1860.....     | 97, 319                                  | 98, 119                       | 182, 716                  | -----                           | 1. 86                                    |
| 1860 to 1869.....    | 783, 357                                 | 932, 565                      | 1, 689, 852               | -----                           | 1. 81                                    |
| 1870 to 1879.....    | 2, 077, 717                              | 3, 413, 277                   | 8, 126, 391               | -----                           | 2. 38                                    |
| 1880 to 1889.....    | 5, 424, 294                              | 8, 843, 654                   | 23, 934, 330              | 1, 840, 829                     | 2. 91                                    |
| 1890 to 1899.....    | 6, 026, 937                              | 11, 575, 924                  | 24, 498, 861              | 521, 310                        | 2. 16                                    |
| 1900 to 1904.....    | 7, 606, 753                              | 12, 200, 468                  | 26, 706, 464              | 709, 063                        | 2. 25                                    |
| 1905 to 1909.....    | 14, 530, 397                             | 20, 228, 636                  | 76, 072, 320              | 7, 612, 491                     | 4. 14                                    |
| 1910 to 1914.....    | 17, 344, 098                             | 22, 245, 539                  | 120, 269, 596             | 14, 455, 410                    | 6. 19                                    |
| 1915 to 1919.....    | 11, 374, 619                             | 15, 828, 501                  | 87, 379, 002              | 36, 771, 650                    | 7. 84                                    |
| Not reported.....    | 229, 547                                 | 262, 608                      | 3, 414, 035               | 410, 659                        | 14. 56                                   |

<sup>1</sup> Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.

<sup>2</sup> These figures represent the sums of the areas in all the enterprises, without deducting for overlapping.

Source: Bureau of the Census, Department of Commerce.

# No. 537.—DRAINAGE OF FARM LANDS AND DRAINAGE ENTERPRISES: BY DIVISIONS AND STATES, 1920

[NOTE.—See headnote, Table 534, especially as regards the difference in the basis of the first four columns as compared with the last four columns and as to areas not covered by statistics of enterprises]

| Division and State        | Farm lands               |                               |                                  |                       | Organized and operating drainage enterprises |                               |   |                                 |
|---------------------------|--------------------------|-------------------------------|----------------------------------|-----------------------|--|-------------------------------|---|---------------------------------|
|                           | With artificial drainage |                               | Additional land (acres) needing— |                       | Total acreage included                       | Improved acreage <sup>1</sup> | Capital invested (thousands of dollars) |                                 |
|                           | Acreage                  | Per cent of all improved land | Drainage only                    | Drainage and clearing |  |                               | Invested to Dec. 31, 1919               | Additional required to complete |
| <b>United States</b>      | <b>53,034,975</b>        | <b>10.5</b>                   | <b>10,450,101</b>                | <b>23,710,456</b>     | <b>55,495,089</b>                            | <b>44,898,325</b>             | <b>373,874</b>                          | <b>62,331</b>                   |
| <b>New England</b>        | <b>139,799</b>           | <b>2.1</b>                    | <b>39,991</b>                    | <b>310,279</b>        |  |                               |   |                                 |
| Maine                     | 26,302                   | 1.3                           | 19,930                           | 122,123               |  |                               |   |                                 |
| New Hampshire             | 11,777                   | 1.7                           | 9,914                            | 30,869                |  |                               |   |                                 |
| Vermont                   | 35,649                   | 2.1                           | 19,265                           | 49,647                |  |                               |   |                                 |
| Massachusetts             | 39,022                   | 4.3                           | 21,212                           | 59,671                |  |                               |   |                                 |
| Rhode Island              | 2,403                    | 1.8                           | 2,240                            | 5,934                 |  |                               |   |                                 |
| Connecticut               | 14,646                   | 2.1                           | 14,430                           | 42,032                |  |                               |   |                                 |
| <b>Middle Atlantic</b>    | <b>1,673,639</b>         | <b>6.3</b>                    | <b>506,910</b>                   | <b>906,129</b>        |  |                               |   |                                 |
| New York                  | 1,180,423                | 9.0                           | 318,865                          | 460,602               |  |                               |   |                                 |
| New Jersey                | 174,260                  | 11.2                          | 29,193                           | 43,633                |  |                               |   |                                 |
| Pennsylvania              | 318,955                  | 2.7                           | 157,852                          | 396,638               |  |                               |   |                                 |
| <b>East North Central</b> | <b>90,737,056</b>        | <b>36.0</b>                   | <b>3,243,437</b>                 | <b>5,699,939</b>      | <b>31,637,179</b>                            | <b>23,293,065</b>             | <b>134,979</b>                          | <b>9,433</b>                    |
| Ohio                      | 7,365,532                | 39.7                          | 886,557                          | 1,128,332             | 8,107,204                                    | 6,707,328                     | 30,680                                  | 91                              |
| Indiana                   | 8,308,644                | 49.8                          | 673,952                          | 1,043,116             | 9,087,183                                    | 7,605,565                     | 31,148                                  | 796                             |
| Illinois                  | 11,247,637               | 41.2                          | 641,493                          | 587,245               | 3,909,049                                    | 3,532,315                     | 43,595                                  | 7,796                           |
| Michigan                  | 3,156,632                | 24.4                          | 579,813                          | 1,490,574             | 9,729,171                                    | 7,182,352                     | 24,684                                  | 365                             |
| Wisconsin                 | 658,411                  | 5.3                           | 461,612                          | 1,377,661             | 794,569                                      | 254,504                       | 4,163                                   | 403                             |
| <b>West North Central</b> | <b>11,738,939</b>        | <b>6.9</b>                    | <b>4,187,335</b>                 | <b>3,073,154</b>      | <b>19,917,367</b>                            | <b>11,630,879</b>             | <b>121,593</b>                          | <b>11,633</b>                   |
| Minnesota                 | 2,993,634                | 13.9                          | 1,801,457                        | 1,703,117             | 9,232,769                                    | 3,818,490                     | 42,017                                  | 2,166                           |
| Iowa                      | 7,334,404                | 25.6                          | 1,661,744                        | 391,198               | 5,224,473                                    | 4,493,407                     | 49,627                                  | 4,543                           |
| Missouri                  | 859,663                  | 3.6                           | 163,178                          | 667,515               | 2,598,204                                    | 1,474,302                     | 20,723                                  | 4,027                           |
| North Dakota              | 89,064                   | .04                           | 53,161                           | 158,144               | 1,240,329                                    | 1,020,574                     | 2,308                                   | 53                              |
| South Dakota              | 161,371                  | .09                           | 356,049                          | 90,866                | 222,062                                      | 178,540                       | 1,461                                   | 272                             |
| Nebraska                  | 214,423                  | .09                           | 115,425                          | 30,393                | 607,730                                      | 551,517                       | 4,589                                   | 268                             |
| Kansas                    | 106,985                  | .03                           | 36,371                           | 31,921                | 93,856                                       | 87,449                        | 937                                     | 274                             |
| <b>South Atlantic</b>     | <b>2,865,072</b>         | <b>5.9</b>                    | <b>696,967</b>                   | <b>2,314,643</b>      | <b>2,385,384</b>                             | <b>268,344</b>                | <b>18,847</b>                           | <b>14,476</b>                   |
| Delaware                  | 185,831                  | 28.5                          | 7,967                            | 61,002                |  |                               |   |                                 |
| Maryland                  | 249,799                  | 8.0                           | 33,267                           | 151,553               |  |                               |   |                                 |
| Dist. of Columbia         | 197                      | 4.6                           | 58                               | 57                    |  |                               |   |                                 |
| Virginia                  | 225,063                  | 2.4                           | 77,192                           | 1,093,398             |  |                               |   |                                 |
| West Virginia             | 38,464                   | .7                            | 32,253                           | 278,615               |  |                               |   |                                 |
| North Carolina            | 1,066,933                | 13.0                          | 189,401                          | 1,735,942             | 542,828                                      | 304,928                       | 3,634                                   | 903                             |
| South Carolina            | 676,152                  | 10.9                          | 125,548                          | 1,216,355             | 140,031                                      | 59,075                        | 582                                     |                                 |
| Georgia                   | 274,688                  | 2.1                           | 143,167                          | 1,676,424             | 65,452                                       | 29,753                        | 795                                     | 304                             |
| Florida                   | 147,940                  | 6.4                           | 87,814                           | 599,307               | 1,637,073                                    | 94,589                        | 13,847                                  | 12,916                          |
| <b>East South Central</b> | <b>1,730,517</b>         | <b>3.9</b>                    | <b>463,040</b>                   | <b>3,817,926</b>      | <b>2,323,563</b>                             | <b>1,349,791</b>              | <b>11,584</b>                           | <b>2,306</b>                    |
| Kentucky                  | 225,228                  | 1.6                           | 84,189                           | 489,110               | 253,480                                      | 245,334                       | 1,522                                   | 299                             |
| Tennessee                 | 254,118                  | 2.3                           | 76,644                           | 563,835               | 263,671                                      | 163,218                       | 2,926                                   | 623                             |
| Alabama                   | 415,293                  | 4.2                           | 156,028                          | 1,460,628             |  |                               |   |                                 |
| Mississippi               | 825,878                  | 8.9                           | 131,179                          | 1,304,355             | 1,601,444                                    | 941,239                       | 7,076                                   | 1,426                           |
| <b>West South Central</b> | <b>2,345,701</b>         | <b>3.7</b>                    | <b>734,306</b>                   | <b>6,400,987</b>      | <b>7,994,197</b>                             | <b>3,977,196</b>              | <b>29,946</b>                           | <b>13,411</b>                   |
| Arkansas                  | 497,459                  | 5.4                           | 129,987                          | 1,512,416             | 3,479,591                                    | 1,491,777                     | 14,147                                  | 11,741                          |
| Louisiana                 | 1,004,935                | 17.9                          | 179,305                          | 916,464               | 2,299,325                                    | 1,299,391                     | 9,022                                   | 999                             |
| Oklahoma                  | 107,014                  | .06                           | 39,788                           | 225,999               | 12,150                                       | 8,845                         | 76                                      | 1                               |
| Texas                     | 756,263                  | 2.4                           | 265,225                          | 3,745,369             | 2,166,128                                    | 1,107,153                     | 5,701                                   | 700                             |
| <b>Mountain</b>           | <b>496,013</b>           | <b>1.5</b>                    | <b>339,359</b>                   | <b>640,563</b>        | <b>510,076</b>                               | <b>634,366</b>                | <b>7,540</b>                            | <b>4,069</b>                    |
| Montana                   | 51,146                   | .06                           | 36,342                           | 76,951                | 163,632                                      | 141,252                       | 665                                     | 181                             |
| Idaho                     | 64,648                   | 1.4                           | 37,566                           | 162,308               | 64,642                                       | 52,008                        | 1,609                                   | 120                             |
| Wyoming                   | 35,654                   | 1.7                           | 23,837                           | 45,229                | 96,474                                       | 84,846                        | 1,176                                   | 401                             |
| Colorado                  | 127,037                  | 1.6                           | 80,121                           | 190,876               | 171,656                                      | 123,031                       | 1,062                                   | 203                             |
| New Mexico                | 47,311                   | 2.8                           | 29,016                           | 20,095                | 140,219                                      | 92,477                        | 1,711                                   | 1,196                           |
| Arizona                   | 9,651                    | 1.4                           | 9,596                            | 32,355                | 39,640                                       | 36,880                        | 414                                     | 612                             |
| Utah                      | 74,316                   | 4.3                           | 74,786                           | 91,140                | 113,823                                      | 97,314                        | 1,005                                   | 1,866                           |
| Nevada                    | 46,252                   | 7.8                           | 38,065                           | 21,644                | 15,940                                       | 7,970                         | 118                                     |                                 |
| <b>Pacific</b>            | <b>1,318,238</b>         | <b>5.6</b>                    | <b>313,077</b>                   | <b>1,130,644</b>      | <b>1,307,943</b>                             | <b>1,194,791</b>              | <b>49,385</b>                           | <b>8,573</b>                    |
| Washington                | 274,696                  | 3.9                           | 45,206                           | 530,799               | 94,924                                       | 81,886                        | 1,397                                   | 39                              |
| Oregon                    | 229,582                  | 4.7                           | 75,063                           | 396,333               | 4,000  | 4,000                         | 200                                     |                                 |
| California                | 813,960                  | 6.9                           | 92,808                           | 193,512               | 1,108,319                                    | 1,038,835                     | 47,687                                  | 6,334                           |

<sup>1</sup> Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.

Source: Bureau of the Census, Department of Commerce.

NO 237--DRAINAGE OF FARM LANDS AND DEATH OF CATTLE

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## 25.—FARMS—GENERAL STATISTICS

[Data in this section relate to continental United States]

### No. 538.—POPULATION, FARMS, AND FARM PROPERTY

[NOTE.—The schedule for 1925 did not call for "improved land." The combined total for "crop land," 391,459,902 acres, and "plowable pasture land," 113,567,498 acres, aggregating 505,027,400 acres, corresponds in a rough way to the definition of "improved land" at previous censuses. Figures for 1920 and 1925 relate to Jan. 1, for 1910 to Apr. 15, and for earlier years to June 1]

| Item  | 1850         | 1880         | 1890         | 1900         | 1910         | 1920          | 1925             |
|---|--------------|--------------|--------------|--------------|--------------|---------------|------------------|
| Total population.....   | 23, 191, 876 | 50, 155, 783 | 62, 947, 714 | 75, 994, 575 | 91, 972, 266 | 105, 710, 620 | 115, 378, 000    |
| Urban.....  |              | 14, 358, 167 | 22, 298, 359 | 30, 380, 433 | 42, 166, 120 | 54, 304, 603  | 62, 766, 000     |
| Rural <sup>1</sup> .....  |              | 35, 797, 616 | 40, 649, 355 | 45, 614, 142 | 49, 806, 146 | 51, 406, 017  | 52, 612, 000     |
| Per cent of total.....  |              | 71. 4        | 64. 6        | 60. 0        | 54. 2        | 48. 6         | 45. 6            |
| Farm population <sup>1</sup> .....                                |              |              |              |              |              | 31, 614, 269  | 28, 981, 666     |
| Per cent of total.....  |              |              |              |              |              | 29. 9         | 25. 1            |
| Per cent of rural.....  |              |              |              |              |              | 61. 5         | 55. 1            |
| Number of farms.....  | 1, 449, 073  | 4, 008, 907  | 4, 564, 641  | 5, 737, 373  | 6, 361, 502  | 6, 448, 343   | 6, 371, 640      |
| Acreage in thousands—   |              |              |              |              |              |               |                  |
| Approximate land area of United States.....                       | 1, 884, 376  | 1, 903, 338  | 1, 903, 338  | 1, 903, 462  | 1, 903, 290  | 1, 903, 215   | 1, 903, 217      |
| All lands in farms.....   | 293, 561     | 538, 063     | 623, 219     | 838, 593     | 878, 798     | 955, 884      | 924, 319         |
| Improved land.....  | 113, 033     | 284, 771     | 357, 617     | 414, 498     | 478, 452     | 503, 073      | ( <sup>4</sup> ) |
| Unimproved land.....  | 180, 528     | 251, 311     | 265, 602     | 424, 095     | 400, 347     | 452, 811      | ( <sup>4</sup> ) |
| Per cent of total land area represented by all land in farms..... | 15. 6        | 28. 2        | 32. 7        | 44. 1        | 46. 2        | 50. 2         | 48. 6            |
| Improved farm land.....   | 6. 0         | 15. 0        | 18. 8        | 21. 8        | 25. 1        | 26. 4         | ( <sup>4</sup> ) |
| Unimproved farm land.....   | 9. 6         | 13. 2        | 14. 0        | 22. 3        | 21. 0        | 23. 8         | ( <sup>4</sup> ) |
| Average acreage per farm, all land.....                           | 202. 6       | 133. 7       | 136. 5       | 146. 2       | 138. 1       | 148. 2        | 145. 1           |
| Inhabitants per 1,000 acres of improved farm land.....            | 205          | 176          | 176          | 183          | 192          | 210           | ( <sup>4</sup> ) |
| Value of all farm property (thousands of dollars).....            | 3, 967, 344  | 12, 180, 502 | 16, 082, 968 | 20, 439, 901 | 40, 891, 449 | 77, 923, 652  | 57, 017, 740     |
| Land and buildings.....   | 3, 271, 575  | 10, 197, 097 | 13, 279, 253 | 16, 614, 647 | 34, 801, 126 | 66, 316, 003  | 49, 467, 647     |
| Land <sup>2</sup> .....   |              |              |              | 13, 058, 008 | 28, 475, 674 | 54, 829, 563  | 37, 721, 018     |
| Buildings.....  |              |              |              | 3, 556, 639  | 6, 325, 452  | 11, 486, 440  | 11, 746, 629     |
| Implements and machinery.....                                     | 151, 588     | 406, 520     | 494, 247     | 749, 776     | 1, 265, 150  | 3, 504, 773   | 2, 691, 704      |
| Livestock.....  | 544, 181     | 1, 576, 885  | 2, 308, 768  | 3, 075, 478  | 4, 925, 174  | 8, 012, 876   | 4, 858, 389      |
| Per cent of value of all farm property represented by—            |              |              |              |              |              |               |                  |
| Land and buildings.....   | 82. 5        | 83. 7        | 82. 6        | 81. 3        | 84. 9        | 85. 1         | 86. 8            |
| Land.....   |              |              |              | 63. 9        | 69. 5        | 70. 4         | 66. 2            |
| Buildings.....  |              |              |              | 17. 4        | 15. 4        | 14. 7         | 20. 6            |
| Implements and machinery.....                                     | 3. 8         | 3. 3         | 3. 1         | 3. 7         | 3. 1         | 4. 6          | 4. 7             |
| Livestock.....  | 13. 7        | 12. 9        | 14. 4        | 15. 0        | 12. 0        | 10. 3         | 8. 5             |
| Average value of all farm property per farm (dollars).....        | 2, 738       | 3, 038       | 3, 523       | 3, 563       | 6, 444       | 12, 084       | 8, 949           |
| Land and buildings.....   | 2, 258       | 2, 544       | 2, 909       | 2, 896       | 5, 471       | 10, 284       | 7, 764           |
| Land.....   |              |              |              | 2, 276       | 4, 476       | 8, 503        | 5, 920           |
| Buildings.....  |              |              |              | 620          | 994          | 1, 781        | 1, 844           |
| Implements and machinery.....                                     | 105          | 101          | 108          | 131          | 199          | 557           | 422              |
| Livestock.....  | 376          | 393          | 506          | 536          | 774          | 1, 243        | 763              |
| Average value of all farm property per acre (dollars).....        | 13. 51       | 22. 72       | 25. 81       | 24. 37       | 46. 64       | 81. 52        | 61. 09           |
| Land and buildings.....   | 11. 14       | 19. 02       | 21. 31       | 19. 81       | 39. 60       | 69. 38        | 53. 52           |
| Land.....   |              |              |              | 15. 57       | 32. 40       | 57. 36        | 40. 81           |
| Buildings.....  |              |              |              | 4. 24        | 7. 20        | 12. 02        | 12. 71           |
| Implements and machinery.....                                     | . 52         | . 76         | . 79         | . 89         | 1. 44        | 3. 76         | 2. 91            |
| Livestock.....  | 1. 85        | 2. 94        | 3. 70        | 3. 67        | 5. 60        | 8. 38         | 5. 26            |

<sup>1</sup> Estimated.

<sup>2</sup> Population residing outside of incorporated places having 2,500 inhabitants or more, or in Massachusetts, Rhode Island, and New Hampshire, outside of towns having 2,500 inhabitants or more.

<sup>3</sup> The 1925 farm population includes only persons living on farms; the 1920 figures include also those farm laborers (and their families) who, while not living on farms, lived outside the limits of any incorporated place.

<sup>4</sup> See headnote.

<sup>5</sup> These figures include the value of fences, tile drains, and other incidental improvements on the land, excluding only the value of buildings.

Source: Bureau of the Census, Department of Commerce.

## No. 589.—FARM POPULATION AND TOTAL POPULATION

| Division and State             | Total population  |                     | Farm population <sup>1</sup> |                  |                              |             |
|--------------------------------|-------------------|---------------------|------------------------------|------------------|------------------------------|-------------|
|                                | 1920              | 1925<br>(estimated) | 1920                         | 1925             | Per cent of total population |             |
|                                |                   |                     |                              |                  | 1920                         | 1925        |
| United States.....             | 105,710,680       | 115,378,000         | 51,614,988                   | 53,961,088       | 49.3                         | 46.8        |
| <b>New England.....</b>        | <b>7,400,909</b>  | <b>7,987,000</b>    | <b>835,877</b>               | <b>687,755</b>   | <b>11.3</b>                  | <b>8.6</b>  |
| Maine.....                     | 768,014           | 787,000             | 197,601                      | 191,062          | 25.7                         | 24.3        |
| New Hampshire.....             | 443,083           | 452,000             | 76,021                       | 77,450           | 17.2                         | 17.1        |
| Vermont.....                   | 352,428           | 352,428             | 125,263                      | 114,188          | 35.5                         | 32.4        |
| Massachusetts.....             | 3,852,358         | 4,144,205           | 118,554                      | 149,238          | 3.1                          | 3.6         |
| Rhode Island.....              | 604,397           | 679,260             | 15,136                       | 18,663           | 2.5                          | 2.7         |
| Connecticut.....               | 1,380,631         | 1,572,000           | 93,302                       | 107,154          | 6.8                          | 6.8         |
| <b>Middle Atlantic.....</b>    | <b>23,961,144</b> | <b>24,938,000</b>   | <b>1,882,789</b>             | <b>1,617,808</b> | <b>7.8</b>                   | <b>6.5</b>  |
| New York.....                  | 10,385,227        | 11,162,151          | 800,747                      | 767,500          | 7.7                          | 6.9         |
| New Jersey.....                | 3,155,900         | 3,600,000           | 143,708                      | 139,255          | 4.6                          | 3.9         |
| Pennsylvania.....              | 8,720,017         | 9,476,000           | 948,334                      | 910,847          | 10.9                         | 9.6         |
| <b>East North Central.....</b> | <b>21,475,543</b> | <b>23,787,000</b>   | <b>4,912,633</b>             | <b>4,511,148</b> | <b>22.9</b>                  | <b>19.0</b> |
| Ohio.....                      | 5,789,394         | 6,470,000           | 1,132,329                    | 1,031,718        | 19.6                         | 15.9        |
| Indiana.....                   | 2,930,390         | 3,095,000           | 907,295                      | 798,157          | 31.0                         | 26.8        |
| Illinois.....                  | 6,485,280         | 7,002,000           | 1,008,262                    | 908,368          | 16.9                         | 14.0        |
| Michigan.....                  | 3,968,412         | 4,284,000           | 848,710                      | 791,553          | 23.1                         | 18.5        |
| Wisconsin.....                 | 2,632,067         | 2,846,000           | 920,037                      | 863,352          | 35.0                         | 31.4        |
| <b>West North Central.....</b> | <b>13,344,249</b> | <b>15,021,000</b>   | <b>5,171,568</b>             | <b>4,994,437</b> | <b>41.8</b>                  | <b>37.8</b> |
| Minnesota.....                 | 2,387,125         | 2,611,000           | 807,181                      | 875,749          | 37.6                         | 33.5        |
| Iowa.....                      | 2,404,021         | 2,419,927           | 984,799                      | 951,558          | 41.0                         | 39.2        |
| Missouri.....                  | 3,404,055         | 3,484,000           | 1,211,348                    | 1,094,037        | 35.6                         | 31.4        |
| North Dakota.....              | 646,872           | 641,192             | 394,509                      | 372,886          | 61.0                         | 58.2        |
| South Dakota.....              | 636,547           | 681,200             | 362,221                      | 361,779          | 56.9                         | 53.1        |
| Nebraska.....                  | 1,296,372         | 1,371,000           | 584,172                      | 566,660          | 45.1                         | 41.3        |
| Kansas.....                    | 1,789,257         | 1,812,986           | 737,377                      | 701,768          | 41.7                         | 38.7        |
| <b>South Atlantic.....</b>     | <b>13,990,272</b> | <b>15,418,000</b>   | <b>6,416,898</b>             | <b>5,860,560</b> | <b>45.9</b>                  | <b>38.7</b> |
| Delaware.....                  | 223,003           | 238,000             | 51,212                       | 44,662           | 23.0                         | 18.8        |
| Maryland.....                  | 1,449,661         | 1,560,000           | 279,225                      | 249,319          | 19.3                         | 16.0        |
| District of Columbia.....      | 437,571           | 514,000             | 894                          | 682              | .2                           | .1          |
| Virginia.....                  | 2,308,787         | 2,480,000           | 1,064,417                    | 980,162          | 46.1                         | 39.4        |
| West Virginia.....             | 1,463,701         | 1,638,000           | 477,924                      | 455,204          | 32.7                         | 27.8        |
| North Carolina.....            | 2,559,123         | 2,812,000           | 1,501,227                    | 1,446,881        | 58.7                         | 51.5        |
| South Carolina.....            | 1,683,724         | 1,804,000           | 1,074,693                    | 911,885          | 63.8                         | 50.5        |
| Georgia.....                   | 2,805,832         | 3,102,000           | 1,685,213                    | 1,309,564        | 58.2                         | 42.2        |
| Florida.....                   | 868,470           | 1,263,549           | 281,893                      | 262,181          | 29.1                         | 20.7        |
| <b>East South Central.....</b> | <b>8,893,507</b>  | <b>9,248,000</b>    | <b>5,182,937</b>             | <b>4,631,856</b> | <b>58.3</b>                  | <b>50.1</b> |
| Kentucky.....                  | 2,416,630         | 2,508,000           | 1,304,882                    | 1,163,001        | 54.0                         | 46.4        |
| Tennessee.....                 | 2,337,885         | 2,448,000           | 1,271,708                    | 1,173,416        | 54.4                         | 47.9        |
| Alabama.....                   | 2,348,174         | 2,499,000           | 1,335,885                    | 1,166,432        | 56.9                         | 46.7        |
| Mississippi.....               | 1,790,618         | 1,790,618           | 1,270,482                    | 1,129,107        | 71.0                         | 63.1        |
| <b>West South Central.....</b> | <b>10,842,824</b> | <b>11,288,000</b>   | <b>5,828,199</b>             | <b>4,736,941</b> | <b>51.0</b>                  | <b>42.0</b> |
| Arkansas.....                  | 1,752,204         | 1,850,000           | 1,147,049                    | 909,840          | 65.6                         | 53.2        |
| Louisiana.....                 | 1,798,509         | 1,900,000           | 786,050                      | 698,179          | 43.7                         | 36.6        |
| Oklahoma.....                  | 2,028,283         | 2,264,000           | 1,017,327                    | 925,600          | 50.2                         | 40.4        |
| Texas.....                     | 4,863,228         | 5,212,000           | 2,277,773                    | 2,114,532        | 48.8                         | 40.6        |
| <b>Mountain.....</b>           | <b>3,336,101</b>  | <b>3,842,000</b>    | <b>1,168,367</b>             | <b>1,012,100</b> | <b>35.0</b>                  | <b>28.2</b> |
| Montana.....                   | 548,849           | 672,000             | 225,687                      | 182,885          | 41.1                         | 27.2        |
| Idaho.....                     | 431,568           | 508,000             | 206,002                      | 172,216          | 46.5                         | 33.9        |
| Wyoming.....                   | 194,402           | 229,000             | 67,306                       | 61,181           | 34.6                         | 26.7        |
| Colorado.....                  | 939,626           | 1,040,000           | 266,073                      | 250,492          | 28.3                         | 24.1        |
| New Mexico.....                | 360,350           | 384,000             | 161,446                      | 147,482          | 44.8                         | 38.4        |
| Arizona.....                   | 334,162           | 428,000             | 90,560                       | 71,954           | 27.1                         | 16.8        |
| Utah.....                      | 449,396           | 504,000             | 140,249                      | 108,856          | 31.2                         | 21.6        |
| Nevada.....                    | 77,407            | 77,407              | 16,164                       | 17,034           | 20.9                         | 22.0        |
| <b>Pacific.....</b>            | <b>5,668,871</b>  | <b>6,555,000</b>    | <b>1,014,173</b>             | <b>1,039,969</b> | <b>18.2</b>                  | <b>15.7</b> |
| Washington.....                | 1,358,621         | 1,510,000           | 283,382                      | 298,673          | 20.9                         | 19.1        |
| Oregon.....                    | 783,389           | 893,000             | 214,021                      | 210,298          | 27.3                         | 24.4        |
| California.....                | 3,426,861         | 4,180,000           | 516,770                      | 531,008          | 15.1                         | 12.7        |

The 1925 farm population includes only persons living on farms, the 1920 figures include also those farm laborers (and their families) who, while not living on farms, lived outside the limits of any incorporated place.

<sup>1</sup> Population Jan. 1, 1920.

<sup>2</sup> Population State census, 1925.

Source: Bureau of the Census, Department of Commerce.

## No. 540.—CLASSIFICATION OF FARM LAND, 1925

[NOTE.—All figures in thousands of acres. For total of land in farms, see Table 541]

| Division and State | Crop land |                   |                      |                | Land in pasture |           |           |         | Wood-land not pasture | All other land |
|--------------------|-----------|-------------------|----------------------|----------------|-----------------|-----------|-----------|---------|-----------------------|----------------|
|                    | Total     | Harvested in 1924 | Crop failure in 1924 | Idle or fallow | Total           | Plow-able | Wood-land | Other   |                       |                |
| United States      | 391,480   | 344,549           | 12,018               | 34,933         | 497,889         | 112,567   | 76,704    | 317,618 | 87,090                | 57,334         |
| New England        | 4,684     | 4,448             | 26                   | 181            | 8,737           | 771       | 3,001     | 2,333   | 3,008                 | 773            |
| Maine              | 1,644     | 1,606             | 7                    | 31             | 1,752           | 196       | 981       | 575     | 1,508                 | 288            |
| New Hampshire      | 543       | 523               | 2                    | 18             | 1,087           | 90        | 780       | 218     | 537                   | 96             |
| Vermont            | 1,150     | 1,127             | 6                    | 17             | 2,176           | 262       | 1,021     | 892     | 518                   | 83             |
| Massachusetts      | 677       | 625               | 5                    | 47             | 877             | 95        | 482       | 299     | 637                   | 178            |
| Rhode Island       | 76        | 69                | (1)                  | 6              | 111             | 34        | 50        | 27      | 95                    | 27             |
| Connecticut        | 534       | 497               | 5                    | 32             | 785             | 106       | 357       | 322     | 373                   | 111            |
| Middle Atlantic    | 18,845    | 16,482            | 214                  | 1,949          | 12,819          | 3,948     | 1,480     | 4,391   | 4,172                 | 2,361          |
| New York           | 9,088     | 8,200             | 91                   | 706            | 7,404           | 2,081     | 2,025     | 3,298   | 1,780                 | 908            |
| New Jersey         | 1,126     | 908               | 21                   | 197            | 335             | 185       | 44        | 106     | 254                   | 210            |
| Pennsylvania       | 8,431     | 7,284             | 102                  | 1,045          | 4,573           | 1,697     | 1,391     | 1,485   | 2,139                 | 1,153          |
| East North Central | 64,790    | 59,114            | 1,739                | 3,940          | 35,584          | 14,197    | 1,854     | 8,569   | 4,661                 | 7,767          |
| Ohio               | 11,695    | 10,703            | 287                  | 706            | 8,138           | 3,997     | 1,854     | 2,286   | 973                   | 1,413          |
| Indiana            | 11,961    | 10,616            | 361                  | 1,004          | 5,720           | 2,732     | 1,879     | 1,110   | 838                   | 1,376          |
| Illinois           | 21,315    | 19,755            | 647                  | 913            | 7,282           | 4,008     | 1,897     | 1,377   | 739                   | 1,397          |
| Michigan           | 9,671     | 8,502             | 174                  | 996            | 5,723           | 1,756     | 2,407     | 1,560   | 895                   | 1,747          |
| Wisconsin          | 10,128    | 9,538             | 268                  | 321            | 8,672           | 1,703     | 4,431     | 2,537   | 1,217                 | 1,836          |
| West North Central | 133,827   | 120,979           | 3,481                | 4,367          | 90,800          | 35,610    | 12,840    | 42,351  | 4,617                 | 13,536         |
| Minnesota          | 18,651    | 17,930            | 196                  | 526            | 7,903           | 2,163     | 3,556     | 2,184   | 1,194                 | 2,311          |
| Iowa               | 21,908    | 21,468            | 423                  | 109            | 9,477           | 5,150     | 1,970     | 2,357   | 243                   | 1,564          |
| Missouri           | 15,278    | 13,721            | 686                  | 872            | 13,299          | 6,859     | 4,780     | 1,660   | 2,626                 | 1,439          |
| North Dakota       | 21,864    | 19,877            | 322                  | 1,665          | 8,941           | 3,111     | 337       | 5,493   | 174                   | 3,349          |
| South Dakota       | 16,441    | 15,793            | 347                  | 301            | 13,797          | 6,149     | 288       | 7,361   | 112                   | 1,608          |
| Nebraska           | 20,698    | 19,810            | 591                  | 296            | 19,494          | 4,381     | 657       | 14,456  | 226                   | 1,608          |
| Kansas             | 23,897    | 22,382            | 916                  | 599            | 17,890          | 7,798     | 651       | 9,441   | 343                   | 1,000          |
| South Atlantic     | 34,649    | 27,812            | 670                  | 6,067          | 30,364          | 7,637     | 7,848     | 4,859   | 34,773                | 1,784          |
| Delaware           | 519       | 404               | 7                    | 108            | 102             | 79        | 10        | 12      | 188                   | 91             |
| Maryland           | 2,328     | 1,778             | 37                   | 413            | 893             | 528       | 187       | 180     | 946                   | 367            |
| Dist. of Columbia  | 2         | 2                 | (1)                  | (1)            | 1               | (1)       | (1)       | (1)     | (1)                   | 1              |
| Virginia           | 8,368     | 7,114             | 114                  | 1,286          | 5,288           | 2,963     | 1,332     | 991     | 5,594                 | 1,030          |
| West Virginia      | 1,921     | 1,677             | 26                   | 217            | 4,286           | 1,736     | 905       | 1,657   | 2,264                 | 597            |
| North Carolina     | 6,857     | 5,576             | 145                  | 1,137          | 2,817           | 882       | 1,387     | 548     | 7,070                 | 1,850          |
| South Carolina     | 5,036     | 4,311             | 92                   | 632            | 1,637           | 311       | 1,006     | 319     | 2,562                 | 1,404          |
| Georgia            | 10,696    | 8,128             | 112                  | 2,456          | 3,849           | 812       | 2,324     | 713     | 4,723                 | 2,679          |
| Florida            | 2,022     | 1,369             | 35                   | 618            | 1,480           | 256       | 794       | 428     | 1,496                 | 865            |
| East South Central | 38,816    | 33,896            | 1,144                | 4,618          | 30,380          | 10,631    | 6,698     | 3,181   | 15,101                | 6,408          |
| Kentucky           | 6,827     | 5,184             | 132                  | 1,512          | 7,746           | 5,501     | 1,208     | 1,038   | 3,628                 | 1,711          |
| Tennessee          | 7,589     | 6,309             | 111                  | 1,268          | 4,697           | 2,588     | 1,364     | 745     | 4,198                 | 1,417          |
| Alabama            | 7,692     | 6,641             | 102                  | 949            | 3,544           | 1,129     | 1,928     | 487     | 3,856                 | 1,647          |
| Mississippi        | 6,709     | 5,662             | 158                  | 899            | 4,291           | 1,412     | 2,028     | 851     | 3,419                 | 1,633          |
| West South Central | 56,809    | 51,535            | 1,361                | 3,903          | 32,858          | 12,297    | 16,859    | 37,066  | 7,368                 | 7,980          |
| Arkansas           | 7,323     | 6,227             | 174                  | 922            | 3,064           | 956       | 1,676     | 432     | 3,717                 | 1,528          |
| Louisiana          | 4,280     | 3,485             | 216                  | 579            | 1,709           | 785       | 674       | 250     | 1,732                 | 1,117          |
| Oklahoma           | 15,838    | 14,549            | 762                  | 526            | 13,015          | 3,879     | 2,972     | 6,164   | 458                   | 1,658          |
| Texas              | 29,369    | 27,075            | 1,229                | 1,054          | 75,068          | 13,617    | 11,230    | 50,221  | 1,461                 | 3,777          |
| Mountain           | 25,587    | 19,708            | 1,174                | 3,707          | 26,125          | 17,634    | 6,138     | 74,463  | 988                   | 7,045          |
| Montana            | 8,474     | 6,416             | 308                  | 1,750          | 22,715          | 4,124     | 1,312     | 17,279  | 234                   | 1,313          |
| Idaho              | 3,714     | 2,579             | 372                  | 764            | 3,554           | 264       | 646       | 2,544   | 97                    | 751            |
| Wyoming            | 1,878     | 1,573             | 151                  | 154            | 16,313          | 371       | 371       | 13,742  | 74                    | 306            |
| Colorado           | 7,199     | 5,948             | 832                  | 419            | 15,351          | 5,114     | 1,114     | 9,123   | 239                   | 1,379          |
| New Mexico         | 1,785     | 1,346             | 260                  | 189            | 24,049          | 5,358     | 2,145     | 16,547  | 170                   | 1,646          |
| Arizona            | 578       | 457               | 29                   | 92             | 10,101          | 143       | 389       | 9,569   | 47                    | 338            |
| Utah               | 1,425     | 1,025             | 101                  | 299            | 3,067           | 139       | 97        | 2,831   | 64                    | 445            |
| Nevada             | 534       | 363               | 131                  | 40             | 2,974           | 62        | 53        | 2,839   | 7                     | 577            |
| Pacific            | 18,719    | 11,678            | 1,093                | 5,901          | 30,977          | 4,676     | 7,690     | 19,110  | 1,466                 | 2,173          |
| Washington         | 6,084     | 3,263             | 491                  | 2,330          | 5,202           | 444       | 1,317     | 3,441   | 538                   | 796            |
| Oregon             | 4,227     | 2,592             | 457                  | 1,178          | 8,808           | 599       | 2,145     | 6,069   | 530                   | 581            |
| California         | 8,401     | 5,723             | 985                  | 1,694          | 16,872          | 3,633     | 4,228     | 9,610   | 437                   | 1,806          |

\* Less than 500.

Source: Bureau of the Census, Department of Commerce.



## No. 541.—NUMBER AND TOTAL AND IMPROVED ACREAGE

[NOTE.—As to statistics of improved land see

| Division and State        | Number of farms |           |           |           | All land in farms (thousands of acres) |         |         |         |
|---------------------------|-----------------|-----------|-----------|-----------|--|---------|---------|---------|
|                           | 1900            | 1910      | 1920      | 1925      | 1900                                   | 1910    | 1920    | 1925    |
| United States             | 5,737,373       | 6,261,609 | 6,448,343 | 6,371,640 | 638,592                                | 878,798 | 955,684 | 984,319 |
| <b>New England</b>        | 191,888         | 188,803   | 168,664   | 159,489   | 90,549                                 | 19,715  | 18,991  | 18,858  |
| Maine                     | 59,209          | 60,016    | 48,227    | 50,033    | 6,300                                  | 6,297   | 5,426   | 5,161   |
| New Hampshire             | 29,324          | 27,053    | 20,323    | 21,065    | 3,610                                  | 3,249   | 2,604   | 2,262   |
| Vermont                   | 33,104          | 32,709    | 29,075    | 27,786    | 4,724                                  | 4,664   | 4,236   | 3,926   |
| Massachusetts             | 37,715          | 36,917    | 32,001    | 33,454    | 3,147                                  | 2,876   | 2,494   | 2,366   |
| Rhode Island              | 5,498           | 5,292     | 4,083     | 3,911     | 466                                    | 443     | 332     | 309     |
| Connecticut               | 26,946          | 26,815    | 22,655    | 23,240    | 2,312                                  | 2,186   | 1,899   | 1,822   |
| <b>Middle Atlantic</b>    | 485,818         | 468,379   | 425,147   | 418,868   | 44,900                                 | 43,191  | 40,573  | 37,491  |
| New York                  | 228,720         | 215,597   | 193,195   | 188,754   | 22,648                                 | 22,030  | 20,633  | 19,270  |
| New Jersey                | 34,650          | 33,487    | 29,702    | 29,671    | 2,841                                  | 2,574   | 2,283   | 1,925   |
| Pennsylvania              | 224,248         | 219,295   | 202,250   | 200,443   | 19,371                                 | 18,587  | 17,658  | 16,296  |
| <b>East North Central</b> | 1,135,649       | 1,123,489 | 1,084,744 | 1,061,573 | 118,341                                | 117,989 | 117,735 | 112,759 |
| Ohio                      | 276,719         | 272,045   | 250,695   | 244,703   | 24,602                                 | 24,106  | 23,516  | 22,219  |
| Indiana                   | 221,897         | 215,485   | 205,126   | 196,786   | 21,620                                 | 21,309  | 21,063  | 19,915  |
| Illinois                  | 264,151         | 251,872   | 237,181   | 225,601   | 32,795                                 | 32,523  | 31,976  | 30,732  |
| Michigan                  | 203,261         | 206,960   | 196,447   | 192,327   | 17,562                                 | 18,941  | 19,033  | 18,035  |
| Wisconsin                 | 166,795         | 177,127   | 189,295   | 193,155   | 19,863                                 | 21,060  | 22,148  | 21,861  |
| <b>West North Central</b> | 1,060,744       | 1,109,948 | 1,098,961 | 1,111,314 | 201,009                                | 232,648 | 266,973 | 348,061 |
| Minnesota                 | 164,659         | 156,137   | 178,478   | 188,231   | 26,248                                 | 27,476  | 30,222  | 30,059  |
| Iowa                      | 228,622         | 217,044   | 213,439   | 213,490   | 34,574                                 | 33,931  | 33,475  | 33,281  |
| Missouri                  | 284,886         | 277,244   | 263,064   | 260,473   | 33,998                                 | 34,591  | 34,775  | 32,642  |
| North Dakota              | 45,332          | 74,360    | 77,690    | 75,970    | 15,543                                 | 28,427  | 36,215  | 34,327  |
| South Dakota              | 52,622          | 77,644    | 74,637    | 79,537    | 19,071                                 | 26,617  | 34,536  | 32,016  |
| Nebraska                  | 121,525         | 129,678   | 124,417   | 127,734   | 29,912                                 | 38,622  | 42,225  | 42,025  |
| Kansas                    | 173,008         | 177,341   | 165,286   | 165,879   | 41,663                                 | 43,385  | 45,425  | 43,726  |
| <b>South Atlantic</b>     | 952,225         | 1,111,681 | 1,158,976 | 1,108,081 | 104,298                                | 103,782 | 97,775  | 88,568  |
| Delaware                  | 9,687           | 10,536    | 10,140    | 10,257    | 1,060                                  | 1,039   | 945     | 900     |
| Maryland                  | 46,012          | 48,323    | 47,908    | 49,061    | 7,770                                  | 5,057   | 4,758   | 4,433   |
| Dist. of Columbia         | 299             | 217       | 204       | 139       | 8                                      | 6       | 6       | 4       |
| Virginia                  | 167,886         | 184,018   | 186,242   | 193,723   | 14,908                                 | 19,496  | 18,561  | 17,210  |
| West Virginia             | 92,874          | 96,685    | 87,289    | 90,380    | 10,655                                 | 10,028  | 9,570   | 8,980   |
| North Carolina            | 224,637         | 263,725   | 269,763   | 283,482   | 22,740                                 | 22,439  | 20,022  | 18,594  |
| South Carolina            | 155,355         | 176,434   | 192,693   | 172,717   | 13,985                                 | 13,512  | 12,427  | 10,636  |
| Georgia                   | 224,691         | 291,027   | 310,732   | 249,095   | 21,392                                 | 28,953  | 25,441  | 21,945  |
| Florida                   | 46,814          | 50,016    | 54,005    | 50,217    | 4,364                                  | 5,254   | 6,047   | 5,805   |
| <b>East South Central</b> | 903,313         | 1,042,480 | 1,051,600 | 1,006,052 | 81,248                                 | 81,521  | 78,827  | 70,607  |
| Kentucky                  | 234,667         | 259,185   | 270,626   | 258,524   | 21,979                                 | 22,189  | 21,613  | 19,913  |
| Tennessee                 | 224,623         | 246,012   | 252,714   | 253,669   | 20,342                                 | 20,042  | 19,511  | 17,905  |
| Alabama                   | 223,220         | 262,901   | 256,099   | 237,631   | 20,685                                 | 20,732  | 19,577  | 18,739  |
| Mississippi               | 220,803         | 274,382   | 272,101   | 257,228   | 18,241                                 | 18,558  | 18,197  | 16,053  |
| <b>West South Central</b> | 754,863         | 943,186   | 998,088   | 1,017,505 | 176,491                                | 169,180 | 173,449 | 185,013 |
| Arkansas                  | 178,694         | 214,678   | 232,604   | 22,901    | 16,637                                 | 17,416  | 17,457  | 15,632  |
| Louisiana                 | 115,969         | 120,546   | 135,463   | 132,459   | 11,059                                 | 10,439  | 10,020  | 8,838   |
| Oklahoma                  | 108,000         | 190,192   | 191,968   | 197,218   | 22,968                                 | 28,859  | 31,952  | 30,866  |
| Texas                     | 352,190         | 417,770   | 436,063   | 465,646   | 125,807                                | 112,435 | 114,021 | 109,674 |
| <b>Mountain</b>           | 101,927         | 163,446   | 244,109   | 233,392   | 46,397                                 | 59,533  | 117,337 | 131,689 |
| Montana                   | 13,370          | 26,214    | 57,677    | 49,904    | 11,844                                 | 13,546  | 35,071  | 32,716  |
| Idaho                     | 7,471           | 30,807    | 42,100    | 40,592    | 3,205                                  | 5,284   | 8,376   | 8,119   |
| Wyoming                   | 6,095           | 9,987     | 5,748     | 15,512    | 8,125                                  | 8,543   | 11,809  | 18,600  |
| Colorado                  | 24,706          | 46,371    | 59,534    | 58,020    | 9,475                                  | 13,532  | 24,462  | 24,101  |
| New Mexico                | 12,311          | 35,676    | 29,344    | 31,687    | 7,131                                  | 11,270  | 24,410  | 27,800  |
| Arizona                   | 5,809           | 9,227     | 8,977     | 10,892    | 1,935                                  | 1,247   | 5,802   | 11,065  |
| Utah                      | 19,387          | 21,677    | 25,612    | 25,992    | 4,117                                  | 3,598   | 5,050   | 5,000   |
| Nevada                    | 2,184           | 2,089     | 3,163     | 3,893     | 2,566                                  | 2,715   | 4,357   | 4,091   |
| <b>Pacific</b>            | 141,581         | 189,891   | 234,184   | 263,587   | 47,400                                 | 51,899  | 56,163  | 54,258  |
| Washington                | 33,202          | 54,192    | 60,288    | 73,267    | 8,499                                  | 11,712  | 13,245  | 12,610  |
| Oregon                    | 15,837          | 45,502    | 50,200    | 53,911    | 10,071                                 | 11,085  | 13,542  | 14,111  |
| California                | 72,542          | 88,197    | 117,670   | 136,409   | 28,829                                 | 27,931  | 29,366  | 27,517  |

\* Figures for 1900 include Indian Territory

Source. Bureau of the Census, Department of Commerce.

## OF FARMS: BY STATES, WITH AVERAGES AND PERCENTAGES

headnote to Table 538 and data in Table 540]

| Improved land in farms<br>(thousands of acres) |         |         | Average acreage per farm |         |       |         | Per cent of total land<br>area in farms |      |      |      | Division and<br>State |
|--|---------|---------|--------------------------|---------|-------|---------|---|------|------|------|-----------------------|
| 1900   | 1910    | 1920    | 1900                     | 1910    | 1920  | 1925    | 1900                                    | 1910 | 1920 | 1925 |                       |
| 414,489  | 478,468 | 503,073 | 148.2                    | 138.1   | 148.9 | 145.1   | 44.1                                    | 44.2 | 50.2 | 48.8 | United States         |
| 8,134  | 7,255   | 8,115   | 107.1                    | 104.4   | 108.5 | 99.4    | 61.8                                    | 49.7 | 42.8 | 40.0 | New England           |
| 2,367  | 2,361   | 1,977   | 104.2                    | 104.9   | 112.5 | 103.2   | 32.9                                    | 32.9 | 28.4 | 27.0 | Maine                 |
| 1,077  | 929     | 703     | 123.1                    | 120.1   | 126.9 | 107.4   | 62.5                                    | 56.2 | 45.0 | 39.1 | N. Hampshire          |
| 2,127  | 1,634   | 1,692   | 142.7                    | 142.6   | 145.7 | 141.3   | 80.9                                    | 79.9 | 72.5 | 67.2 | Vermont               |
| 1,292  | 1,165   | 909     | 83.4                     | 77.9    | 77.9  | 70.8    | 61.2                                    | 55.9 | 48.5 | 46.0 | Massachusetts         |
| 187  | 178     | 133     | 82.9                     | 83.8    | 81.2  | 79.0    | 66.7                                    | 64.9 | 48.6 | 45.3 | Rhode Island          |
| 1,065  | 968     | 701     | 85.8                     | 81.6    | 83.8  | 78.8    | 74.9                                    | 70.9 | 61.6 | 59.4 | Connecticut           |
| 30,788   | 29,321  | 26,589  | 92.4                     | 94.2    | 94.4  | ■       | 75.1                                    | 87.5 | 82.4 | 59.6 | Middle Atlantic       |
| 15,000   | 14,844  | 13,159  | 99.9                     | 102.2   | 106.8 | 102.1   | 74.3                                    | 72.2 | 67.7 | 63.2 | New York              |
| 1,977  | 1,808   | 1,556   | 82.0                     | 76.9    | 76.8  | 64.9    | 59.1                                    | 53.5 | 47.5 | 40.0 | New Jersey            |
| 13,209   | 12,674  | 11,848  | 86.4                     | 84.8    | 87.3  | 81.3    | 67.5                                    | 64.8 | 61.5 | 56.8 | Pennsylvania          |
| 88,870   | 88,947  | 67,888  | 102.4                    | 106.0   | 108.5 | 107.2   | 74.1                                    | 75.0 | 74.9 | 71.7 | E. North Central      |
| 19,244   | 19,228  | 18,542  | 88.5                     | 88.6    | 91.6  | 90.8    | 94.0                                    | 92.5 | 90.2 | 85.2 | Ohio                  |
| 16,460   | 16,931  | 16,680  | 97.4                     | 98.8    | 102.7 | 101.7   | 94.1                                    | 92.3 | 91.3 | 86.3 | Indiana               |
| 27,699   | 28,048  | 27,295  | 124.2                    | 129.1   | 134.8 | 136.2   | 61.5                                    | 60.7 | 89.1 | 85.7 | Illinois              |
| 11,799   | 12,822  | 12,926  | 86.4                     | 91.5    | 96.9  | ■       | 47.7                                    | 51.5 | 51.7 | 49.0 | Michigan              |
| 11,247   | 11,908  | 12,452  | 117.0                    | 118.9   | 117.0 | 113.1   | 56.2                                    | 59.6 | 62.6 | 61.8 | Wisconsin             |
| 155,644  | 164,265 | 171,394 | 189.5                    | 209.6   | 224.2 | 222.2   | 61.5                                    | 71.2 | 78.9 | 75.9 | W. North Central      |
| 18,443   | 19,644  | 21,452  | 169.7                    | 177.3   | 189.3 | 159.7   | 50.7                                    | 53.5 | 58.4 | 58.1 | Minnesota             |
| 29,898   | 29,491  | 28,607  | 151.2                    | 156.3   | 186.6 | 155.9   | 97.2                                    | 95.4 | 94.1 | 92.6 | Iowa                  |
| 22,900   | 24,561  | 24,833  | 119.3                    | 124.8   | 132.2 | 125.3   | 77.3                                    | 78.6 | 79.1 | 74.2 | Missouri              |
| 9,645  | 20,455  | 24,563  | 342.9                    | 362.3   | 466.1 | 451.9   | 84.6                                    | 63.3 | 80.6 | 76.4 | N. Dakota             |
| 11,286   | 15,627  | 18,199  | 362.4                    | 335.1   | 464.1 | 402.6   | 38.8                                    | 52.9 | 70.4 | 65.1 | S. Dakota             |
| 18,433   | 24,383  | 23,110  | 246.1                    | 297.8   | 339.4 | 329.0   | 60.8                                    | 78.6 | 86.9 | 85.5 | Nebraska              |
| 25,041   | 29,904  | 30,601  | 240.7                    | 244.0   | 274.8 | 263.6   | 79.6                                    | 82.9 | 80.6 | 83.6 | Kansas                |
| 46,100   | 48,480  | 48,510  | 108.4                    | 93.3    | 84.4  | 79.9    | 90.6                                    | 60.9 | 56.6 | 51.4 | South Atlantic        |
| 754  | 714     | 653     | 110.1                    | 95.9    | 93.1  | 87.7    | 84.8                                    | 82.6 | 78.1 | 71.5 | Delaware              |
| 3,516  | 3,355   | 3,137   | 112.4                    | 103.4   | 99.3  | 90.5    | 81.3                                    | 79.5 | 74.8 | 69.7 | Maryland              |
| 6  | 5       | 4       | 31.6                     | 27.9    | 27.8  | 27.4    | 22.1                                    | 15.8 | 14.8 | 9.6  | Dist. of Col.         |
| 10,095   | 9,870   | 9,460   | 118.8                    | 105.9   | 99.7  | 88.8    | 77.3                                    | 75.7 | 72.0 | 66.8 | Virginia              |
| 5,469  | 5,522   | 5,520   | 114.7                    | 103.7   | 109.6 | 99.4    | 89.3                                    | 65.2 | 62.2 | 58.4 | W. Virginia           |
| 6,327  | 8,813   | 8,198   | 101.3                    | 88.4    | 74.2  | 65.6    | 72.9                                    | 71.9 | 64.2 | 59.6 | N. Carolina           |
| 5,776  | 6,096   | 6,184   | 90.0                     | 76.6    | 64.5  | 61.6    | 71.7                                    | 69.2 | 63.7 | 54.5 | S. Carolina           |
| 10,616   | 12,298  | 12,055  | 117.5                    | 92.6    | 81.9  | 88.1    | 70.2                                    | 71.7 | 67.7 | 66.4 | Georgia               |
| 1,512  | 1,805   | 2,297   | 106.9                    | ■       | 112.0 | 99.0    | 12.4                                    | 15.0 | 17.2 | 16.7 | Florida               |
| 40,237   | 43,947  | 44,360  | 99.9                     | 78.2    | 76.0  | 70.2    | 70.7                                    | 71.6 | 66.7 | 61.5 | E. South Central      |
| 15,742   | 14,354  | 13,976  | 93.7                     | 85.5    | 79.9  | 77.0    | 85.5                                    | 86.3 | 84.0 | 77.4 | Kentucky              |
| 10,246   | 10,890  | 11,185  | 90.6                     | 81.5    | 77.2  | 70.8    | 76.2                                    | 75.1 | 73.1 | 67.1 | Tennessee             |
| 6,655  | 9,694   | 9,893   | 92.7                     | 78.9    | 76.4  | 70.4    | 63.6                                    | 63.2 | 59.7 | 51.0 | Alabama               |
| 7,594  | 9,008   | 9,326   | 82.6                     | 67.6    | 66.9  | ■       | 61.5                                    | 62.5 | 61.3 | 54.1 | Mississippi           |
| 39,771   | 38,394  | 34,190  | 222.8                    | 179.2   | 174.1 | 168.2   | 84.2                                    | 61.5 | 63.1 | 60.9 | W. South Central      |
| 6,954  | 8,076   | 9,211   | 92.1                     | 81.1    | 75.0  | 70.4    | 49.5                                    | 51.8 | 51.9 | 44.5 | Arkansas              |
| 4,667  | 5,276   | 5,626   | 95.4                     | 86.6    | 74.0  | 66.7    | 38.1                                    | 35.6 | 34.5 | 30.4 | Louisiana             |
| 8,574  | 17,551  | 18,125  | 212.9                    | 151.7   | 166.4 | 156.5   | 51.7                                    | 66.0 | 71.9 | 69.5 | Oklahoma              |
| 19,576   | 27,361  | 31,228  | 257.2                    | 269.1   | 261.5 | 226.5   | 74.9                                    | 67.0 | 67.9 | 65.3 | Texas                 |
| 8,403  | 10,816  | 36,108  | 487.9                    | 334.5   | 480.7 | 544.2   | 1.4                                     | 19.2 | 21.2 | 24.8 | Mountain              |
| 1,737  | 3,640   | 11,007  | 865.9                    | 516.7   | 608.1 | 697.9   | 12.7                                    | 14.5 | 27.5 | 26.0 | Montana               |
| 1,413  | 2,779   | 4,512   | 183.4                    | 171.5   | 196.9 | 199.9   | 6.0                                     | 9.9  | 15.7 | 15.2 | Idaho                 |
| 792  | 1,256   | 2,102   | 1,332.0                  | 777.6   | 749.9 | 1,203.2 | 13.0                                    | 13.7 | 18.9 | 29.9 | Wyoming               |
| 2,274  | 4,302   | 7,745   | 263.6                    | 293.1   | 408.1 | 416.5   | 14.3                                    | 20.4 | 36.9 | 36.4 | Colorado              |
| 327  | 1,467   | 1,717   | 416.8                    | 315.9   | 817.9 | 878.9   | 6.5                                     | 14.4 | 31.1 | 35.5 | N. Mexico             |
| 255  | 350     | 713     | 333.2                    | 135.1   | 581.7 | 1,024.4 | 2.7                                     | 1.7  | 8.0  | 13.2 | Arizona               |
| 1,032  | 1,368   | 1,715   | 212.4                    | 156.7   | 196.8 | ■       | 7.3                                     | 8.5  | 9.6  | 9.5  | Utah                  |
| 573  | 752     | 596     | 1,174.7                  | 1,008.6 | 745.3 | 1,053.5 | ■                                       | 3.9  | 1.4  | 5.8  | Nevada                |
| 18,798   | ■       | 23,922  | 334.2                    | 270.2   | 229.2 | 204.2   | 23.5                                    | 26.5 | 27.6 | 26.7 | Pacific               |
| 3,466  | 6,373   | 7,129   | 256.0                    | 208.4   | 199.8 | 172.1   | 19.9                                    | 27.4 | 31.0 | 29.5 | Washington            |
| 3,328  | 4,275   | 4,914   | 291.0                    | 256.8   | 269.7 | 252.7   | 14.5                                    | 19.1 | 22.1 | 23.1 | Oregon                |
| 11,950   | 11,390  | 11,878  | 297.4                    | 316.7   | 249.6 | 201.7   | 26.9                                    | 28.0 | 26.5 | 27.6 | California            |

## No. 642.—VALUE OF FARM PROPERTY: ALL PROPERTY, LAND.

[All amounts in thousands of dollars]

| Division and State        | Value of all farm property |                   |                   |                   | Value of land    |                   |                   |                   |
|---------------------------|----------------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|
|                           | 1900                       | 1910              | 1920              | 1925              | 1900             | 1910              | 1920              | 1925              |
| United States             | 90,439,901                 | 40,981,449        | 77,932,642        | 97,017,740        | 12,046,808       | 22,474,674        | 54,938,683        | 57,791,016        |
| <b>New England</b>        | <b>639,646</b>             | <b>697,940</b>    | <b>1,173,080</b>  | <b>1,091,545</b>  | <b>283,461</b>   | <b>282,134</b>    | <b>489,195</b>    | <b>413,938</b>    |
| Maine                     | 122,411                    | 199,272           | 270,527           | 245,809           | 49,349           | 80,481            | 114,412           | 97,526            |
| New Hampshire             | 85,842                     | 103,704           | 118,656           | 107,084           | 35,499           | 44,519            | 47,425            | 37,228            |
| Vermont                   | 108,451                    | 145,400           | 223,737           | 180,912           | 45,814           | 58,355            | 82,938            | 63,665            |
| Massachusetts             | 182,647                    | 226,474           | 300,472           | 293,405           | 86,825           | 105,533           | 127,654           | 110,437           |
| Rhode Island              | 26,989                     | 32,991            | 53,637            | 33,446            | 13,432           | 15,010            | 14,509            | 13,543            |
| Connecticut               | 113,306                    | 159,400           | 226,992           | 230,829           | 52,442           | 72,296            | 101,187           | 91,337            |
| <b>Middle Atlantic</b>    | <b>2,310,287</b>           | <b>2,959,589</b>  | <b>3,949,684</b>  | <b>3,478,716</b>  | <b>1,219,885</b> | <b>1,462,331</b>  | <b>1,891,679</b>  | <b>1,332,447</b>  |
| New York                  | 1,099,724                  | 1,451,481         | 1,908,483         | 1,706,930         | 551,174          | 707,748           | 793,336           | 646,980           |
| New Jersey                | 189,534                    | 254,833           | 311,848           | 311,084           | 93,301           | 124,143           | 142,182           | 130,331           |
| Pennsylvania              | 1,031,029                  | 1,253,275         | 1,729,353         | 1,460,702         | 575,393          | 630,439           | 726,158           | 555,146           |
| <b>East North Central</b> | <b>5,663,985</b>           | <b>10,119,128</b> | <b>17,945,365</b> | <b>13,592,968</b> | <b>2,972,084</b> | <b>7,231,699</b>  | <b>12,046,674</b> | <b>7,966,084</b>  |
| Ohio                      | 1,198,924                  | 1,902,695         | 3,095,666         | 2,236,902         | 817,164          | 1,285,895         | 2,016,113         | 1,299,024         |
| Indiana                   | 978,616                    | 1,809,135         | 3,042,311         | 1,931,742         | 687,633          | 1,328,197         | 2,202,666         | 1,268,777         |
| Illinois                  | 2,004,317                  | 3,905,321         | 6,666,767         | 4,627,965         | 1,514,114        | 3,060,411         | 5,250,296         | 3,426,455         |
| Michigan                  | 690,356                    | 1,088,868         | 1,763,335         | 1,523,977         | 423,579          | 615,268           | 959,187           | 764,871           |
| Wisconsin                 | 811,712                    | 1,413,119         | 2,677,293         | 2,272,402         | 530,543          | 911,938           | 1,618,913         | 1,209,879         |
| <b>West North Central</b> | <b>3,830,884</b>           | <b>13,535,310</b> | <b>37,991,085</b> | <b>18,879,178</b> | <b>2,892,377</b> | <b>10,069,561</b> | <b>21,240,145</b> | <b>12,908,048</b> |
| Minnesota                 | 788,685                    | 1,476,412         | 3,787,420         | 2,761,684         | 559,302          | 1,019,102         | 2,750,328         | 1,796,800         |
| Iowa                      | 1,634,346                  | 3,745,861         | 8,524,471         | 5,802,078         | 1,256,752        | 2,601,974         | 6,179,021         | 3,909,814         |
| Missouri                  | 1,033,122                  | 2,052,917         | 3,591,088         | 2,286,639         | 685,471          | 1,445,962         | 2,594,193         | 1,562,725         |
| North Dakota              | 265,267                    | 974,814           | 1,759,743         | 1,191,037         | 173,362          | 730,380           | 1,279,314         | 813,722           |
| South Dakota              | 297,525                    | 1,166,097         | 2,823,870         | 1,658,921         | 189,207          | 902,007           | 2,231,432         | 1,201,015         |
| Nebraska                  | 747,930                    | 2,079,819         | 4,301,656         | 2,874,478         | 486,006          | 1,614,539         | 3,330,222         | 2,125,792         |
| Kansas                    | 664,100                    | 2,039,390         | 3,302,896         | 2,504,340         | 532,188          | 1,537,977         | 2,475,635         | 1,833,379         |
| <b>South Atlantic</b>     | <b>1,464,031</b>           | <b>2,951,901</b>  | <b>6,132,918</b>  | <b>4,659,177</b>  | <b>529,681</b>   | <b>1,583,350</b>  | <b>6,000,692</b>  | <b>2,960,771</b>  |
| Delaware                  | 49,608                     | 63,179            | 80,138            | 72,798            | 23,769           | 34,938            | 42,116            | 34,435            |
| Maryland                  | 294,645                    | 286,187           | 463,638           | 397,063           | 129,398          | 164,452           | 259,904           | 207,274           |
| Dist. of Columbia         | 11,535                     | 8,47              | 5,928             | 5,003             | 9,700            | 7,194             | 4,159             | 3,564             |
| Virginia                  | 323,516                    | 625,065           | 1,196,556         | 909,466           | 200,615          | 394,659           | 756,354           | 609,676           |
| West Virginia             | 263,907                    | 314,739           | 496,440           | 411,159           | 134,299          | 207,071           | 307,310           | 251,793           |
| North Carolina            | 253,835                    | 637,716           | 1,294,167         | 1,059,014         | 141,959          | 343,165           | 857,815           | 696,425           |
| South Carolina            | 153,591                    | 392,128           | 955,065           | 523,084           | 99,800           | 268,771           | 647,157           | 347,087           |
| Georgia                   | 228,375                    | 580,546           | 1,350,085         | 686,673           | 138,515          | 170,353           | 897,445           | 443,649           |
| Florida                   | 3,929                      | 143,181           | 360,302           | 513,864           | 49,525           | 93,736            | 228,425           | 415,899           |
| <b>East South Central</b> | <b>1,195,889</b>           | <b>2,182,773</b>  | <b>4,418,417</b>  | <b>2,896,528</b>  | <b>708,163</b>   | <b>1,386,827</b>  | <b>2,916,141</b>  | <b>1,927,623</b>  |
| Kentucky                  | 471,046                    | 773,798           | 1,511,901         | 983,599           | 291,117          | 494,965           | 1,050,753         | 616,214           |
| Tennessee                 | 341,202                    | 612,525           | 1,271,219         | 883,646           | 202,014          | 371,411           | 807,782           | 555,943           |
| Alabama                   | 179,400                    | 1,010,138         | 680,849           | 500,740           | 100,166          | 216,944           | 415,764           | 308,664           |
| Mississippi               | 204,221                    | 426,315           | 964,752           | 569,571           | 114,857          | 254,902           | 641,842           | 347,002           |
| <b>West South Central</b> | <b>1,619,935</b>           | <b>3,538,184</b>  | <b>7,622,066</b>  | <b>5,696,780</b>  | <b>953,788</b>   | <b>2,716,099</b>  | <b>5,406,080</b>  | <b>4,176,984</b>  |
| Arkansas                  | 181,416                    | 400,089           | 924,395           | 628,846           | 105,107          | 299,021           | 607,773           | 420,735           |
| Louisiana                 | 198,547                    | 301,221           | 589,827           | 385,911           | 107,730          | 187,803           | 390,818           | 241,798           |
| Oklahoma                  | 277,525                    | 918,190           | 1,990,424         | 1,210,135         | 149,398          | 649,067           | 1,171,459         | 879,335           |
| Texas                     | 962,476                    | 2,218,665         | 4,447,420         | 3,471,887         | 591,551          | 1,633,207         | 3,245,209         | 2,625,157         |
| <b>Mountain</b>           | <b>601,264</b>             | <b>1,757,573</b>  | <b>4,063,136</b>  | <b>2,758,210</b>  | <b>384,085</b>   | <b>1,174,379</b>  | <b>2,801,712</b>  | <b>1,638,980</b>  |
| Montana                   | 117,890                    | 447,829           | 985,901           | 574,897           | 52,601           | 226,771           | 691,912           | 326,514           |
| Idaho                     | 67,271                     | 305,517           | 716,136           | 471,885           | 35,496           | 218,856           | 511,866           | 309,769           |
| Wyoming                   | 67,477                     | 117,189           | 334,411           | 240,396           | 23,434           | 86,908            | 210,947           | 149,198           |
| Colorado                  | 161,045                    | 49,472            | 1,076,797         | 7,226,501         | 90,342           | 162,822           | 763,723           | 483,974           |
| New Mexico                | 53,798                     | 1,68,448          | 325,190           | 239,801           | 17,324           | 98,806            | 196,341           | 152,033           |
| Arizona                   | 29,994                     | 5,124             | 263,593           | 144,049           | 11,418           | 42,350            | 156,563           | 126,799           |
| Utah                      | 75,775                     | 150,79            | 311,275           | 240,318           | 40,127           | 99,482            | 210,998           | 159,703           |
| Nevada                    | 28,674                     | 66,396            | 99,789            | 98,086            | 13,270           | 35,277            | 59,162            | 59,031            |
| <b>Pacific</b>            | <b>1,113,330</b>           | <b>2,780,452</b>  | <b>5,307,011</b>  | <b>4,962,634</b>  | <b>842,893</b>   | <b>2,946,314</b>  | <b>4,166,946</b>  | <b>3,978,038</b>  |
| Washington                | 144,047                    | 617,543           | 1,057,439         | 823,438           | 99,311           | 317,422           | 307,651           | 594,396           |
| Oregon                    | 72,76                      | 528,244           | 848,569           | 714,416           | 111,138          | 41,696            | 590,242           | 505,141           |
| California                | 796,528                    | 1,614,895         | 3,441,022         | 3,424,790         | 630,445          | 1,517,195         | 2,763,055         | 2,788,511         |

† Figures for 1900 include Indian Territory

Source—Bureau of the Census, Department of Commerce

## BUILDINGS, IMPLEMENTS AND MACHINERY, AND LIVESTOCK

(All amounts in thousands of dollars)

| Value of buildings |           |            |            | Value of implements and machinery |           | Value of livestock |           |           | Division and State |
|--------------------|-----------|------------|------------|-----------------------------------|-----------|--------------------|-----------|-----------|--------------------|
| 1900               | 1910      | 1920       | 1925       | 1920                              | 1925      | 1910               | 1920      | 1925      |                    |
| 3,556,889          | 4,325,454 | 11,486,440 | 11,744,829 | 2,504,773                         | 3,504,773 | 4,945,174          | 8,612,576 | 4,856,300 | United States.     |
| 244,907            | 334,410   | 499,843    | 491,895    | 92,388                            | 23,334    | 97,897             | 183,183   | 109,584   | New England.       |
| 47,143             | 73,138    | 89,697     | 90,746     | 26,638                            | 24,491    | 25,162             | 39,780    | 24,108    | Maine.             |
| 34,626             | 41,397    | 42,671     | 49,407     | 9,499                             | 8,989     | 11,910             | 19,161    | 11,463    | N. Hampshire.      |
| 37,258             | 54,203    | 76,170     | 73,406     | 21,234                            | 18,130    | 22,643             | 42,395    | 25,511    | Vermont.           |
| 71,094             | 88,636    | 119,934    | 144,166    | 19,360                            | 17,044    | 20,741             | 33,524    | 21,758    | Massachusetts.     |
| 9,703              | 12,923    | 11,979     | 14,377     | 2,400                             | 2,064     | 3,276              | 4,840     | 3,462     | Rhode Island.      |
| 44,984             | 66,113    | 89,084     | 110,594    | 13,248                            | 11,616    | 14,164             | 23,478    | 17,282    | Connecticut.       |
| 729,070            | 960,888   | 1,340,489  | 1,487,377  | 369,158                           | 533,490   | 348,100            | 569,394   | 345,233   | Middle Atlantic.   |
| 336,940            | 474,908   | 631,720    | 720,145    | 169,867                           | 169,365   | 183,091            | 313,553   | 170,419   | New York.          |
| 69,230             | 92,991    | 108,141    | 132,208    | 25,459                            | 23,452    | 24,599             | 36,065    | 25,006    | New Jersey.        |
| 322,980            | 410,639   | 600,594    | 615,026    | 163,826                           | 140,652   | 141,480            | 238,775   | 149,878   | Pennsylvania.      |
| 939,374            | 1,042,293 | 2,001,568  | 2,054,855  | 786,077                           | 667,871   | 978,330            | 1,521,644 | 1,001,458 | East N. Central.   |
| 219,451            | 368,258   | 546,323    | 646,607    | 146,574                           | 97,893    | 197,332            | 287,655   | 193,378   | Ohio.              |
| 154,102            | 265,079   | 451,078    | 426,964    | 127,403                           | 79,740    | 173,860            | 261,264   | 156,262   | Indiana.           |
| 251,468            | 432,381   | 747,069    | 773,004    | 222,620                           | 147,104   | 308,804            | 446,154   | 281,402   | Illinois.          |
| 158,948            | 285,890   | 477,507    | 519,191    | 122,390                           | 96,253    | 137,804            | 204,259   | 143,662   | Michigan.          |
| 155,603            | 289,094   | 518,966    | 688,889    | 167,069                           | 146,883   | 158,529            | 322,312   | 226,754   | Wisconsin.         |
| 758,406            | 1,562,106 | 3,139,350  | 3,227,843  | 1,182,938                         | 618,333   | 1,551,708          | 2,354,601 | 1,531,934 | West N. Central.   |
| 117,220            | 243,339   | 550,840    | 597,142    | 181,088                           | 137,996   | 161,841            | 308,164   | 229,977   | Minnesota.         |
| 240,803            | 455,406   | 922,752    | 964,632    | 309,172                           | 227,282   | 393,003            | 613,526   | 420,349   | Iowa.              |
| 148,508            | 270,222   | 468,774    | 440,561    | 138,261                           | 75,955    | 285,839            | 389,839   | 207,398   | Missouri.          |
| 25,428             | 92,277    | 209,206    | 206,381    | 114,187                           | 76,631    | 108,250            | 157,035   | 94,303    | North Dakota.      |
| 30,926             | 102,474   | 241,162    | 236,273    | 112,408                           | 75,411    | 127,229            | 238,568   | 146,222   | South Dakota.      |
| 91,054             | 198,808   | 381,885    | 396,282    | 153,104                           | 111,790   | 222,222            | 336,444   | 200,000   | Nebraska.          |
| 111,465            | 190,580   | 354,429    | 364,572    | 154,717                           | 111,298   | 253,524            | 318,025   | 195,100   | Kansas.            |
| 206,329            | 602,087   | 1,801,082  | 1,118,173  | 283,961                           | 195,839   | 346,534            | 647,163   | 364,594   | South Atlantic.    |
| 10,667             | 18,218    | 22,647     | 25,241     | 6,781                             | 5,909     | 6,817              | 10,000    | 7,217     | Delaware.          |
| 54,811             | 78,296    | 128,603    | 134,087    | 28,970                            | 22,885    | 32,970             | 48,071    | 32,846    | Maryland.          |
| 1,574              | 1,037     | 1,421      | 1,231      | 104                               | 108       | 153                | 246       | 100       | Dist. of Col.      |
| 79,983             | 137,399   | 268,081    | 286,138    | 50,161                            | 40,021    | 74,801             | 121,960   | 72,631    | Virginia.          |
| 34,027             | 57,315    | 103,474    | 104,361    | 18,395                            | 15,687    | 43,336             | 67,261    | 39,319    | West Virginia.     |
| 52,700             | 113,460   | 218,578    | 239,001    | 54,621                            | 46,437    | 62,650             | 119,153   | 77,554    | N. Carolina.       |
| 26,956             | 64,113    | 166,327    | 110,536    | 48,062                            | 23,105    | 45,131             | 91,518    | 42,367    | S. Carolina.       |
| 44,555             | 108,951   | 240,854    | 153,905    | 63,343                            | 26,988    | 80,394             | 155,643   | 72,133    | Georgia.           |
| 9,977              | 24,408    | 53,025     | 63,073     | 13,562                            | 14,504    | 20,591             | 35,301    | 20,439    | Florida.           |
| 223,627            | 411,571   | 747,852    | 668,007    | 176,068                           | 123,550   | 346,035            | 579,650   | 394,147   | East S. Central.   |
| 90,887             | 160,905   | 254,406    | 231,213    | 48,565                            | 30,629    | 117,487            | 158,387   | 85,513    | Kentucky.          |
| 63,137             | 109,107   | 217,195    | 203,483    | 53,463                            | 40,746    | 110,706            | 173,473   | 83,473    | Tennessee.         |
| 34,453             | 71,309    | 127,894    | 108,195    | 34,366                            | 23,851    | 112,825            | 112,825   | 62,031    | Alabama.           |
| 37,150             | 80,160    | 148,054    | 112,116    | 39,831                            | 28,323    | 75,247             | 134,974   | 63,129    | Mississippi.       |
| 185,106            | 412,486   | 683,120    | 763,409    | 311,096                           | 252,668   | 569,637            | 1,013,779 | 684,486   | West S. Central.   |
| 30,076             | 63,145    | 145,337    | 110,992    | 43,432                            | 31,255    | 74,058             | 127,853   | 56,865    | Arkansas.          |
| 33,409             | 49,741    | 90,421     | 72,940     | 32,715                            | 21,333    | 44,699             | 83,073    | 39,900    | Louisiana.         |
| 21,407             | 89,611    | 192,406    | 160,422    | 80,631                            | 58,379    | 152,433            | 315,928   | 102,998   | Oklahoma.          |
| 100,223            | 210,001   | 454,965    | 420,114    | 154,321                           | 141,999   | 318,647            | 592,926   | 284,696   | Texas.             |
| 64,543             | 145,087   | 381,476    | 334,002    | 180,716                           | 129,267   | 288,747            | 729,234   | 455,977   | Mountain.          |
| 9,366              | 24,855    | 64,855     | 63,881     | 35,004                            | 30,633    | 65,663             | 154,190   | 88,869    | Montana.           |
| 6,632              | 25,113    | 69,646     | 63,557     | 38,417                            | 26,526    | 48,775             | 96,200    | 52,033    | Idaho.             |
| 3,532              | 9,007     | 23,801     | 24,508     | 11,779                            | 9,172     | 65,606             | 87,886    | 58,548    | Wyoming.           |
| 16,003             | 45,697    | 102,291    | 96,481     | 49,805                            | 33,473    | 70,161             | 160,977   | 86,357    | Colorado.          |
| 3,565              | 13,025    | 25,473     | 22,884     | 9,745                             | 6,712     | 43,406             | 52,447    | 52,871    | New Mexico.        |
| 2,267              | 4,936     | 15,763     | 17,226     | 8,821                             | 6,928     | 26,051             | 52,447    | 43,107    | Arizona.           |
| 10,652             | 18,063    | 32,754     | 32,490     | 13,515                            | 10,097    | 28,782             | 48,019    | 48,019    | Utah.              |
| 2,340              | 4,333     | 6,893      | 8,966      | 3,681                             | 2,716     | 19,214             | 29,694    | 26,374    | Nevada.            |
| 112,967            | 231,533   | 602,489    | 617,409    | 233,356                           | 190,365   | 343,937            | 404,237   | 276,822   | Pacific.           |
| 16,299             | 54,546    | 122,741    | 142,504    | 54,721                            | 41,235    | 48,865             | 82,316    | 55,313    | Washington.        |
| 19,200             | 43,880    | 88,971     | 110,937    | 41,567                            | 35,642    | 59,462             | 101,779   | 62,699    | Oregon.            |
| 77,468             | 133,406   | 290,756    | 363,977    | 136,069                           | 113,486   | 221,141            | 221,141   | 158,810   | California.        |

## No. 543.—AVERAGE VALUE PER FARM AND PER ACRE

| Division and State        | Average value per farm (dollars) |        |        |        |                    |        |        | Average value of land per acre (dollars) |          |        |        |
|---------------------------|----------------------------------|--------|--------|--------|--------------------|--------|--------|--|----------|--------|--------|
|                           | All farm property                |        |        |        | Land and buildings |        |        |  |          |        |        |
|                           | 1900                             | 1910   | 1920   | 1925   | 1910               | 1920   | 1925   | 1900                                     | 1910     | 1920   | 1925   |
| <b>United States</b>      | 2,000                            | 2,444  | 32,004 | 8,940  | 5,471              | 10,904 | 7,704  | 11.37                                    | 33.43    | 57.36  | 62.81  |
| <b>New England</b>        | 2,323                            | 4,302  | 7,493  | 6,844  | 3,009              | 6,803  | 5,979  | 12.79                                    | 19.30    | 29.73  | 24.10  |
| Maine                     | 1,004                            | 2,320  | 5,000  | 4,914  | 2,000              | 4,232  | 3,943  | 7.53                                     | 12.73    | 21.09  | 18.09  |
| New Hampshire             | 2,927                            | 3,533  | 5,782  | 5,084  | 3,176              | 4,385  | 4,113  | 9.53                                     | 12.70    | 18.21  | 16.40  |
| Vermont                   | 3,276                            | 4,445  | 7,661  | 6,511  | 3,442              | 5,473  | 4,940  | 9.70                                     | 12.52    | 19.58  | 16.37  |
| Massachusetts             | 4,842                            | 6,125  | 9,399  | 8,770  | 5,200              | 7,737  | 7,611  | 37.03                                    | 36.09    | 51.17  | 45.64  |
| Rhode Island              | 4,906                            | 6,234  | 8,238  | 8,552  | 5,278              | 6,463  | 7,130  | 20.46                                    | 33.86    | 42.76  | 42.62  |
| Connecticut               | 4,205                            | 5,944  | 10,019 | 9,922  | 5,168              | 8,300  | 8,089  | 22.08                                    | 32.08    | 52.28  | 49.86  |
| <b>Middle Atlantic</b>    | 4,708                            | 6,319  | 9,300  | 9,306  | 6,210              | 7,061  | 6,004  | 37.19                                    | 33.94    | 40.00  | 35.14  |
| New York                  | 4,718                            | 6,782  | 9,879  | 9,049  | 5,405              | 7,376  | 7,343  | 24.34                                    | 32.13    | 35.45  | 32.57  |
| New Jersey                | 5,470                            | 7,510  | 10,490 | 10,484 | 6,484              | 8,428  | 8,848  | 32.86                                    | 45.23    | 62.29  | 67.72  |
| Pennsylvania              | 4,690                            | 5,715  | 8,551  | 7,287  | 4,747              | 6,500  | 5,838  | 20.70                                    | 33.92    | 41.12  | 34.07  |
| <b>East North Central</b> | 5,604                            | 8,007  | 14,898 | 11,975 | 7,900              | 12,771 | 10,403 | 34.13                                    | 61.20    | 102.31 | 79.00  |
| Ohio                      | 4,333                            | 6,994  | 12,000 | 9,141  | 6,080              | 10,368 | 7,951  | 23.25                                    | 52.34    | 85.09  | 60.46  |
| Indiana                   | 4,410                            | 8,396  | 14,831 | 9,807  | 7,399              | 12,937 | 8,651  | 31.81                                    | 62.36    | 104.57 | 63.71  |
| Illinois                  | 7,508                            | 15,505 | 28,108 | 20,814 | 12,966             | 25,289 | 18,015 | 45.17                                    | 96.02    | 164.20 | 111.00 |
| Michigan                  | 3,395                            | 5,261  | 8,976  | 7,924  | 4,354              | 7,313  | 6,676  | 24.12                                    | 32.43    | 50.40  | 42.41  |
| Wisconsin                 | 4,781                            | 7,978  | 14,143 | 11,765 | 6,784              | 11,558 | 9,890  | 26.71                                    | 63.30    | 73.09  | 65.37  |
| <b>West North Central</b> | 5,486                            | 10,165 | 24,517 | 16,986 | 10,404             | 22,307 | 14,875 | 19.87                                    | 49.21    | 83.04  | 62.08  |
| Minnesota                 | 5,100                            | 9,456  | 21,221 | 14,472 | 6,085              | 18,406 | 12,717 | 21.31                                    | 36.32    | 91.00  | 59.77  |
| Iowa                      | 6,023                            | 17,230 | 39,939 | 25,240 | 15,008             | 35,616 | 22,207 | 30.35                                    | 82.50    | 190.52 | 119.28 |
| Missouri                  | 3,636                            | 7,403  | 13,054 | 8,779  | 6,190              | 11,646 | 7,691  | 20.45                                    | 41.00    | 74.60  | 47.87  |
| North Dakota              | 5,631                            | 13,109 | 22,651 | 15,678 | 11,063             | 19,160 | 13,428 | 11.15                                    | 26.09    | 35.33  | 23.70  |
| South Dakota              | 5,654                            | 15,016 | 37,325 | 20,267 | 12,945             | 32,132 | 18,071 | 9.92                                     | 34.09    | 64.42  | 37.51  |
| Nebraska                  | 6,155                            | 16,038 | 33,771 | 22,504 | 13,063             | 29,836 | 19,700 | 16.37                                    | 41.80    | 78.87  | 50.58  |
| Kansas                    | 4,992                            | 11,467 | 19,982 | 15,097 | 9,770              | 17,123 | 12,250 | 12.77                                    | 35.45    | 54.50  | 41.98  |
| <b>South Atlantic</b>     | 1,511                            | 2,634  | 5,398  | 4,906  | 1,336              | 4,426  | 3,650  | 8.00                                     | 13.15    | 40.98  | 32.86  |
| Delaware                  | 4,201                            | 5,830  | 7,923  | 7,067  | 4,905              | 6,386  | 5,818  | 22.29                                    | 33.63    | 44.59  | 38.28  |
| Maryland                  | 4,448                            | 5,849  | 9,678  | 8,194  | 4,941              | 8,070  | 6,956  | 23.28                                    | 32.32    | 54.62  | 46.75  |
| District of Columbia      | 42,862                           | 39,062 | 29,059 | 35,992 | 37,932             | 27,340 | 34,500 | 1,142.08                                 | 1,186.53 | 733.27 | 934.71 |
| Virginia                  | 1,927                            | 3,397  | 6,425  | 5,159  | 2,891              | 5,591  | 4,578  | 10.08                                    | 20.24    | 40.75  | 34.90  |
| West Virginia             | 2,196                            | 3,255  | 5,687  | 4,549  | 2,735              | 4,706  | 3,941  | 12.60                                    | 20.65    | 32.11  | 26.04  |
| North Carolina            | 1,041                            | 2,119  | 4,434  | 3,704  | 1,800              | 3,990  | 3,267  | 6.24                                     | 15.29    | 42.84  | 36.92  |
| South Carolina            | 989                              | 2,223  | 4,946  | 3,028  | 1,887              | 4,222  | 2,640  | 7.14                                     | 19.09    | 52.08  | 32.62  |
| Georgia                   | 1,016                            | 1,905  | 4,306  | 2,757  | 1,647              | 3,663  | 2,350  | 5.25                                     | 12.74    | 35.28  | 19.76  |
| Florida                   | 1,321                            | 2,853  | 5,116  | 3,679  | 2,362              | 5,212  | 3,088  | 7.06                                     | 17.84    | 37.78  | 70.91  |
| <b>East South Central</b> | 1,394                            | 2,094  | 4,303  | 3,861  | 1,000              | 3,484  | 2,466  | 9.78                                     | 16.28    | 24.96  | 25.69  |
| Kentucky                  | 2,007                            | 2,966  | 5,587  | 3,727  | 2,462              | 4,823  | 3,278  | 13.24                                    | 21.63    | 48.62  | 30.95  |
| Tennessee                 | 1,519                            | 2,490  | 4,953  | 3,497  | 1,953              | 4,055  | 3,006  | 9.93                                     | 19.53    | 41.40  | 31.06  |
| Alabama                   | 804                              | 1,406  | 2,696  | 2,107  | 1,096              | 2,123  | 1,746  | 4.84                                     | 10.46    | 21.24  | 18.44  |
| Mississippi               | 925                              | 1,554  | 3,546  | 2,140  | 1,218              | 2,903  | 1,785  | 6.30                                     | 12.69    | 26.27  | 21.62  |
| <b>West South Central</b> | 3,148                            | 4,090  | 7,439  | 5,000  | 3,317              | 6,316  | 4,875  | 5.40                                     | 16.00    | 31.19  | 25.21  |
| Arkansas                  | 1,015                            | 1,864  | 3,974  | 2,833  | 1,440              | 3,238  | 2,436  | 6.32                                     | 14.13    | 34.82  | 26.91  |
| Louisiana                 | 1,712                            | 2,499  | 4,354  | 2,914  | 1,971              | 3,499  | 2,451  | 9.74                                     | 17.99    | 39.29  | 29.49  |
| Oklahoma                  | 2,570                            | 4,828  | 8,549  | 6,136  | 3,884              | 7,104  | 5,318  | 6.50                                     | 22.49    | 34.66  | 28.49  |
| Texas                     | 2,733                            | 5,311  | 10,200 | 7,456  | 4,412              | 8,486  | 6,540  | 4.70                                     | 14.53    | 28.46  | 22.94  |
| <b>Mountain</b>           | 6,934                            | 9,581  | 16,787 | 11,818 | 7,499              | 13,956 | 9,310  | 6.12                                     | 13.73    | 23.88  | 12.00  |
| Montana                   | 6,816                            | 13,299 | 17,005 | 12,257 | 9,599              | 13,408 | 9,709  | 4.45                                     | 16.74    | 19.73  | 11.90  |
| Idaho                     | 3,530                            | 9,911  | 17,008 | 11,132 | 7,965              | 13,811 | 9,197  | 11.07                                    | 41.63    | 61.11  | 38.17  |
| Wyoming                   | 11,071                           | 17,217 | 2,235  | 15,407 | 8,912              | 14,907 | 11,132 | 2.88                                     | 10.41    | 17.66  | 7.94   |
| Colorado                  | 6,520                            | 10,645 | 17,960 | 12,277 | 8,648              | 14,449 | 10,211 | 9.54                                     | 24.81    | 31.22  | 20.44  |
| New Mexico                | 4,167                            | 4,469  | 10,896 | 7,457  | 3,135              | 7,432  | 5,520  | 3.38                                     | 8.77     | 8.04   | 8.46   |
| Arizona                   | 5,103                            | 8,142  | 23,418 | 17,964 | 5,125              | 17,278 | 13,332 | 5.90                                     | 33.97    | 26.98  | 11.46  |
| Utah                      | 3,878                            | 6,957  | 12,130 | 9,631  | 5,422              | 9,499  | 7,395  | 9.75                                     | 29.28    | 41.78  | 31.94  |
| Nevada                    | 13,129                           | 22,462 | 31,546 | 25,260 | 14,730             | 20,947 | 17,512 | 5.17                                     | 12.99    | 25.18  | 14.43  |
| <b>Pacific</b>            | 7,544                            | 14,443 | 23,064 | 18,086 | 13,050             | 18,941 | 16,000 | 17.78                                    | 43.78    | 74.31  | 71.47  |
| Washington                | 4,338                            | 11,346 | 15,962 | 11,230 | 10,179             | 13,885 | 9,921  | 11.68                                    | 44.18    | 60.22  | 46.34  |
| Oregon                    | 4,821                            | 11,009 | 18,304 | 12,778 | 10,012             | 13,449 | 11,019 | 11.23                                    | 35.23    | 43.39  | 35.75  |
| California                | 10,980                           | 18,308 | 29,158 | 23,107 | 16,447             | 25,122 | 23,111 | 21.87                                    | 47.16    | 94.77  | 101.34 |

Source: Bureau of the Census, Department of Commerce.

No. 544.—NUMBER OF FARMS BY SIZE

| Division and State        | Total            | Under 20 acres | 20 to 49 acres | 50 to 99 acres | 100 to 174 acres | 175 to 259 acres | 260 to 499 acres | 500 to 999 acres | 1,000 acres and over |
|---------------------------|------------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|----------------------|
| <b>United States:</b>     |                  |                |                |                |                  |                  |                  |                  |                      |
| 1900                      | 5,737,372        | 673,870        | 1,257,496      | 1,365,088      | 1,422,262        | 490,069          | 377,951          | 102,526          | 47,160               |
| 1910                      | 6,361,502        | 639,166        | 1,414,376      | 1,438,069      | 1,516,286        | 534,191          | 443,954          | 125,295          | 50,135               |
| 1920                      | 6,448,343        | 796,535        | 1,503,732      | 1,474,745      | 1,449,630        | 530,800          | 475,677          | 149,819          | 67,405               |
| 1925                      | 6,371,640        | 696,584        | 1,460,643      | 1,431,078      | 1,383,777        | 508,417          | 438,901          | 143,869          | 68,328               |
| <b>1925</b>               |                  |                |                |                |                  |                  |                  |                  |                      |
| <b>New England</b>        | <b>159,489</b>   | <b>30,385</b>  | <b>39,371</b>  | <b>38,368</b>  | <b>36,799</b>    | <b>14,834</b>    | <b>8,110</b>     | <b>1,544</b>     | <b>379</b>           |
| Maine                     | 50,033           | 5,683          | 7,967          | 14,744         | 14,051           | 4,738            | 2,199            | —                | 77                   |
| New Hampshire             | 21,065           | 3,926          | 3,629          | 5,003          | 4,829            | 2,014            | 1,250            | 311              | 93                   |
| Vermont                   | 27,786           | 3,540          | 2,885          | 4,960          | 6,309            | 4,628            | 2,893            | 471              | 50                   |
| Massachusetts             | 43,454           | 10,714         | 6,148          | 6,877          | 4,751            | 1,691            | 977              | 228              | 68                   |
| Rhode Island              | 3,911            | 1,011          | 894            | 962            | 689              | 221              | 122              | 28               | 14                   |
| Connecticut               | 23,240           | 5,311          | 5,738          | 5,802          | 4,200            | 1,342            | 669              | 132              | 46                   |
| <b>Middle Atlantic</b>    | <b>418,868</b>   | <b>74,487</b>  | <b>71,373</b>  | <b>117,598</b> | <b>106,546</b>   | <b>89,548</b>    | <b>12,665</b>    | <b>1,413</b>     | <b>388</b>           |
| New York                  | 188,754          | 28,796         | 27,357         | 49,538         | 53,869           | 19,730           | 8,447            | 871              | 146                  |
| New Jersey                | 29,671           | 9,275          | 6,649          | 6,622          | 5,414            | 1,216            | 405              | 62               | 28                   |
| Pennsylvania              | 200,443          | 36,366         | 37,367         | 61,438         | 49,263           | 11,602           | 3,813            | 480              | 114                  |
| <b>East North Central</b> | <b>1,051,572</b> | <b>98,958</b>  | <b>168,002</b> | <b>319,425</b> | <b>311,568</b>   | <b>104,601</b>   | <b>45,703</b>    | <b>4,472</b>     | <b>643</b>           |
| Ohio                      | 244,703          | 31,424         | 42,232         | 81,337         | 65,978           | 16,710           | 6,082            | 664              | 96                   |
| Indiana                   | 195,786          | 21,050         | 33,266         | 60,282         | 54,875           | 17,597           | 7,804            | 817              | 93                   |
| Illinois                  | 225,601          | 16,843         | 25,239         | 47,079         | 77,268           | 38,172           | 19,149           | 1,685            | 166                  |
| Michigan                  | 192,327          | 15,665         | 41,313         | 68,126         | 49,634           | 12,385           | 4,495            | 537              | 172                  |
| Wisconsin                 | 163,155          | 11,976         | 25,950         | 62,401         | 63,613           | 19,937           | 8,193            | 769              | 116                  |
| <b>West North Central</b> | <b>1,111,314</b> | <b>59,990</b>  | <b>89,827</b>  | <b>170,817</b> | <b>361,199</b>   | <b>189,904</b>   | <b>184,331</b>   | <b>58,540</b>    | <b>17,306</b>        |
| Minnesota                 | 188,231          | 9,639          | 17,241         | 35,167         | 67,949           | 31,396           | 24,044           | 2,577            | 198                  |
| Iowa                      | 213,490          | 13,125         | 12,593         | 34,528         | 86,373           | 41,475           | 23,503           | 1,789            | 104                  |
| Missouri                  | 260,473          | 20,946         | 44,490         | 64,906         | 75,481           | 31,715           | 19,224           | 3,184            | 526                  |
| North Dakota              | 75,970           | 674            | 676            | 1,135          | 11,144           | 5,812            | 35,093           | 17,963           | 3,553                |
| South Dakota              | 79,537           | 1,334          | 1,397          | 3,119          | 18,715           | 10,816           | 28,776           | 11,549           | 3,831                |
| Nebraska                  | 127,734          | 5,031          | 4,127          | 10,977         | 44,199           | 22,031           | 20,500           | 9,499            | 5,380                |
| Kansas                    | 165,879          | 9,339          | 9,303          | 30,786         | 47,338           | 25,959           | 37,171           | 12,269           | 3,714                |
| <b>South Atlantic</b>     | <b>1,106,061</b> | <b>233,729</b> | <b>354,421</b> | <b>255,439</b> | <b>180,805</b>   | <b>55,534</b>    | <b>34,718</b>    | <b>10,076</b>    | <b>3,229</b>         |
| Delaware                  | 10,257           | 1,336          | 2,299          | 2,909          | 2,308            | 789              | 300              | 52               | 4                    |
| Maryland                  | 49,001           | 11,944         | 8,974          | 10,264         | 10,816           | 4,415            | 2,212            | 334              | 42                   |
| District of Columbia      | 139              | 68             | 39             | 7              | 2                | 1                | 2                | —                | —                    |
| Virginia                  | 193,723          | 47,672         | 46,870         | 42,165         | 32,336           | 12,908           | 8,531            | 2,418            | 623                  |
| West Virginia             | 96,380           | 13,700         | 19,544         | 26,228         | 18,669           | 6,760            | 4,132            | 1,042            | 305                  |
| North Carolina            | 283,482          | 66,047         | 93,817         | 68,129         | 37,611           | 10,643           | 5,525            | 1,947            | 363                  |
| South Carolina            | 172,767          | 46,435         | 69,777         | 30,996         | 15,446           | 4,946            | 3,477            | 1,203            | 487                  |
| Georgia                   | 240,065          | 28,686         | 93,303         | 64,638         | 36,537           | 12,877           | 8,820            | 3,064            | 1,150                |
| Florida                   | 59,217           | 17,623         | 19,798         | 10,103         | 6,820            | 2,195            | 1,710            | 396              | 365                  |
| <b>East South Central</b> | <b>1,006,053</b> | <b>224,494</b> | <b>346,230</b> | <b>229,577</b> | <b>133,150</b>   | <b>42,199</b>    | <b>24,372</b>    | <b>6,077</b>     | <b>1,944</b>         |
| Kentucky                  | 258,524          | 58,724         | 60,368         | 69,155         | 47,279           | 14,208           | 7,073            | 1,426            | 269                  |
| Tennessee                 | 252,669          | 54,041         | 76,143         | 63,000         | 38,258           | 11,566           | 6,161            | 1,222            | 278                  |
| Alabama                   | 237,631          | 36,171         | 104,030        | 53,667         | 27,885           | 8,255            | 5,356            | 1,616            | 651                  |
| Mississippi               | 257,228          | 75,558         | 102,689        | 36,755         | 24,737           | 8,170            | 5,782            | 1,811            | 726                  |
| <b>West South Central</b> | <b>1,017,303</b> | <b>133,318</b> | <b>297,911</b> | <b>235,016</b> | <b>206,986</b>   | <b>69,080</b>    | <b>33,645</b>    | <b>18,083</b>    | <b>19,336</b>        |
| Arkansas                  | 221,991          | 44,566         | 64,740         | 46,776         | 30,674           | 8,586            | 4,903            | 1,173            | 371                  |
| Louisiana                 | 132,450          | 38,158         | 55,549         | 19,680         | 10,911           | 3,394            | 2,738            | 1,111            | 709                  |
| Oklahoma                  | 197,218          | 10,280         | 34,966         | 47,375         | 65,102           | 14,965           | 19,201           | 4,054            | 1,255                |
| Texas                     | 465,646          | 42,314         | 122,636        | 120,963        | 99,099           | 32,085           | 26,903           | 11,725           | 10,001               |
| <b>Mountain</b>           | <b>233,393</b>   | <b>26,676</b>  | <b>26,892</b>  | <b>27,522</b>  | <b>40,306</b>    | <b>13,942</b>    | <b>48,194</b>    | <b>31,977</b>    | <b>16,041</b>        |
| Montana                   | 46,904           | 1,109          | 1,265          | 1,972          | 6,392            | 2,610            | 10,146           | 11,467           | 5,924                |
| Idaho                     | 40,592           | 3,704          | 7,697          | 8,625          | 9,315            | 3,216            | 5,080            | 2,186            | 760                  |
| Wyoming                   | 15,512           | 291            | 326            | 890            | 2,257            | 868              | 3,540            | 4,114            | 3,226                |
| Colorado                  | 58,020           | 6,166          | 4,480          | 5,872          | 10,750           | 3,959            | 15,140           | 8,224            | 3,529                |
| New Mexico                | 31,687           | 7,317          | 3,728          | 2,503          | 4,735            | 1,102            | 5,171            | 4,202            | 2,929                |
| Arizona                   | 10,803           | 2,072          | 2,196          | 1,886          | 2,328            | 413              | 742              | 523              | 642                  |
| Utah                      | 25,992           | 5,638          | 6,696          | 5,143          | 3,753            | 1,609            | 1,817            | 807              | 617                  |
| Nevada                    | 3,883            | 389            | 572            | 631            | 776              | 265              | 489              | 354              | 414                  |
| <b>Pacific</b>            | <b>263,587</b>   | <b>24,395</b>  | <b>66,718</b>  | <b>34,518</b>  | <b>30,409</b>    | <b>11,525</b>    | <b>17,223</b>    | <b>11,480</b>    | <b>8,663</b>         |
| Washington                | 73,267           | 24,016         | 17,567         | 9,506          | 8,522            | 2,902            | 5,003            | 3,601            | 2,150                |
| Oregon                    | 55,911           | 12,570         | 10,837         | 9,093          | 9,203            | 3,664            | 4,960            | 3,176            | 2,406                |
| California                | 136,409          | 48,009         | 38,312         | 15,917         | 12,684           | 4,959            | 7,320            | 4,713            | 4,495                |

Source: Bureau of the Census, Department of Commerce.

## No. 545.—NUMBER OF FARMS BY SIZE AND BY TENURE AND COLOR OF OPERATOR: 1890 TO 1925

| Size of farm, tenure, and color | 1890      | 1900      | 1910      | 1920      | 1925      |           |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| BY SIZE                         |           |           |           |           |           |           |
| Number, total                   | 4,008,907 | 4,584,641 | 5,737,373 | 6,381,608 | 6,448,343 | 6,371,640 |
| Under 10 acres                  | 139,241   | 150,194   | 267,239   | 335,043   | 288,778   | 378,535   |
| 10 to 19 acres                  | 254,749   | 285,550   | 406,641   | 504,123   | 507,763   | 588,049   |
| 20 to 49 acres                  | 761,874   | 902,777   | 1,257,496 | 1,414,374 | 1,503,732 | 1,430,643 |
| 50 to 99 acres                  | 1,032,810 | 1,121,485 | 1,366,038 | 1,438,069 | 1,474,745 | 1,421,078 |
| 100 to 499 acres                | 1,695,983 | 2,008,694 | 2,290,242 | 2,494,461 | 2,456,107 | 2,326,155 |
| 100 to 174 acres                |           |           | 1,422,262 | 1,518,286 | 1,449,630 | 1,383,777 |
| 175 to 259 acres                |           |           | 490,069   | 534,191   | 530,860   | 503,417   |
| 260 to 499 acres                |           |           | 377,951   | 443,984   | 475,677   | 438,961   |
| 500 to 999 acres                | 75,972    | 84,395    | 102,526   | 125,295   | 149,819   | 143,852   |
| 1,000 acres and over            | 28,578    | 31,549    | 47,180    | 50,135    | 67,405    | 63,328    |
| Per cent distribution, total    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     |
| Under 10 acres                  | 3.5       | 3.3       | 4.7       | 5.3       | 4.5       | 5.9       |
| 10 to 19 acres                  | 6.4       | 5.8       | 7.1       | 7.9       | 7.9       | 9.2       |
| 20 to 49 acres                  | 19.5      | 19.8      | 21.9      | 22.2      | 23.3      | 22.8      |
| 50 to 99 acres                  | 25.8      | 24.6      | 23.8      | 22.6      | 22.9      | 22.3      |
| 100 to 499 acres                | 42.3      | 44.0      | 39.9      | 39.2      | 38.1      | 36.5      |
| 100 to 174 acres                |           |           | 34.8      | 33.8      |           | 21.7      |
| 175 to 259 acres                |           |           | 8.5       | 8.4       | 8.2       | 7.9       |
| 260 to 499 acres                |           |           | 6.6       | 7.0       | 7.4       | 6.9       |
| 500 to 999 acres                | 1.9       | 1.8       | 1.8       | 2.0       | 2.3       | 2.3       |
| 1,000 acres and over            | 7         | 7         | .8        | .8        | 1.0       | 1.0       |
| BY TENURE                       |           |           |           |           |           |           |
| Number, total                   | 4,008,907 | 4,584,641 | 5,737,373 | 6,381,608 | 6,448,343 | 6,371,640 |
| Owners and managers, total      | 3,994,308 | 3,389,738 | 3,719,408 | 4,006,898 | 3,993,589 | 3,909,089 |
| Owners                          |           |           | 3,653,323 | 3,948,722 | 3,925,090 | 3,868,332 |
| Owning entire farm              |           |           | 3,301,947 | 3,354,997 | 3,306,510 | 3,313,490 |
| Hiring additional land          |           |           | 451,376   | 593,825   | 558,580   | 554,842   |
| Managers                        |           |           | 59,085    | 58,104    | 68,449    | 40,700    |
| Tenants, total                  | 1,034,601 | 1,294,913 | 2,024,964 | 2,374,710 | 2,454,804 | 2,462,608 |
| Share and share-cash            | 702,244   | 840,254   | 1,273,299 | 1,528,349 | 1,806,634 | 2,049,156 |
| Cash and unspecified            | 322,357   | 454,659   | 751,665   | 826,287   | 648,170   | 393,452   |
| Per cent distribution, total    | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     |
| Owners                          | 74.4      | 71.6      | 63.7      | 62.1      | 60.9      | 60.7      |
| Managers                        |           |           | 1.0       | .9        | 1.1       | .6        |
| Tenants                         | 25.6      | 28.4      | 35.3      | 37.0      | 38.1      | 38.6      |
| BY COLOR AND TENURE OF FARMER   |           |           |           |           |           |           |
| White farmers, total            |           |           | 4,989,608 | 5,440,819 | 5,498,454 | 5,540,185 |
| Owners, total                   |           |           | 3,446,808 | 3,707,501 | 3,691,868 | 3,673,792 |
| Owning entire farm              |           |           | 3,025,931 | 3,159,088 | 3,174,109 | 3,153,839 |
| Hiring additional land          |           |           | 420,875   | 548,413   | 517,760   | 519,953   |
| Managers                        |           |           | 57,201    | 50,560    | 60,223    | 40,033    |
| Tenants, total                  |           |           | 1,405,541 | 1,678,558 | 1,740,363 | 1,826,360 |
| Share and share-cash            |           |           | 988,539   | 1,140,216 | 1,283,337 | 1,511,608 |
| Cash and unspecified            |           |           | 477,002   | 536,343   | 457,026   | 314,692   |
| Colored farmers, total          |           |           | 767,764   | 920,883   | 949,889   | 831,455   |
| Owners, total                   |           |           | 306,517   | 241,221   | 233,222   | 194,540   |
| Owning entire farm              |           |           | 176,016   | 165,809   | 162,401   | 159,651   |
| Hiring additional land          |           |           | 30,501    | 45,412    | 40,821    | 34,889    |
| Managers                        |           |           | 1,824     | 1,544     | 2,226     | 667       |
| Tenants, total                  |           |           | 559,423   | 678,118   | 714,441   | 636,915   |
| Share and share-cash            |           |           | 264,700   | 346,114   | 352,597   | 357,488   |
| Cash and unspecified            |           |           | 274,663   | 289,944   | 191,144   | 78,760    |
| COLORED FARMERS BY RACE         |           |           |           |           |           |           |
| Total                           |           |           | 767,764   | 920,883   | 949,889   | 831,455   |
| Negroes                         |           |           | 746,715   | 893,370   | 926,708   | (*)       |
| Indians                         |           |           | 19,910    | 24,251    | 8,690     | (*)       |
| Japanese                        |           |           | 39        | 2,592     | 6,892     | (*)       |
| Chinese                         |           |           | 1,100     | 760       | 609       | (*)       |

\* Share and share-cash tenants include croppers reported in the Southern States in 1920; and cash tenants include standing renters.

\* Includes all tenants except cash tenants.

\* Includes the few colored farmers in the North.

\* Cash tenants only.

\* South only.

\* Not available.

Source: Bureau of the Census, Department of Commerce.



## No. 546.—ACREAGE OF FARM LAND BY SIZE OF FARM AND BY TENURE AND COLOR OF OPERATOR

[Acreage in thousands]

| Size of farm, tenure, and color              | Acreage  |          |                       |          | Per cent distribution |                      |         |        |      |      |      |
|--|----------|----------|-----------------------|----------|-----------------------|----------------------|---------|--------|------|------|------|
|  | 1900     | 1910     | 1920                  | 1925     | 1900                  | 1910                 | 1920    | 1925   |      |      |      |
| BY SIZE OF FARM                              |          |          |                       |          |                       |                      |         |        |      |      |      |
| All farm land, total.....                    | 838, 592 | 878, 798 | 955, 884              | 994, 319 | 100. 0                | 100. 0               | 100. 0  | 100. 0 |      |      |      |
| Under 20 acres.....                          | 7, 181   | 8, 794   | 8, 689                | 10, 156  | . 9                   | 1. 0                 | . 9     | 1. 1   |      |      |      |
| 20 to 49 acres.....                          | 41, 536  | 45, 378  | 48, 464               | 46, 406  | 5. 0                  | 5. 2                 | 5. 1    | 5. 0   |      |      |      |
| 50 to 99 acres.....                          | 98, 592  | 103, 121 | 105, 631              | 101, 907 | 11. 8                 | 11. 7                | 11. 1   | 11. 0  |      |      |      |
| 100 to 174 acres.....                        | 192, 680 | 205, 481 | 194, 681              | 185, 710 | 23. 0                 | 23. 4                | 20. 4   | 20. 1  |      |      |      |
| 175 to 499 acres.....                        | 232, 955 | 265, 289 | 276, 807              | 258, 362 | 27. 8                 | 30. 2                | 29. 0   | 28. 0  |      |      |      |
| 500 to 999 acres.....                        | 67, 864  | 83, 653  | 100, 976              | 99, 230  | 8. 1                  | 9. 5                 | 10. 6   | 10. 7  |      |      |      |
| 1,000 acres and over.....                    | 197, 784 | 167, 082 | 220, 636              | 222, 549 | 23. 6                 | 19. 0                | 23. 1   | 24. 1  |      |      |      |
| Improved farm land, total <sup>1</sup> ..... | 414, 498 | 478, 452 | 503, 073              | (?)      | 100. 0                | 100. 0               | 100. 0  | (?)    |      |      |      |
| Under 20 acres.....                          | 6, 440   | 7, 992   | 7, 804                | (?)      | 1. 6                  | 1. 7                 | 1. 6    | (?)    |      |      |      |
| 20 to 49 acres.....                          | 33, 001  | 36, 596  | 38, 508               | (?)      | 8. 0                  | 7. 6                 | 7. 7    | (?)    |      |      |      |
| 50 to 99 acres.....                          | 67, 345  | 71, 155  | 72, 622               | (?)      | 16. 2                 | 14. 9                | 14. 4   | (?)    |      |      |      |
| 100 to 174 acres.....                        | 118, 391 | 128, 854 | 128, 201              | (?)      | 28. 6                 | 26. 9                | 25. 5   | (?)    |      |      |      |
| 175 to 499 acres.....                        | 135, 530 | 161, 776 | 170, 075              | (?)      | 32. 7                 | 33. 8                | 33. 8   | (?)    |      |      |      |
| 500 to 999 acres.....                        | 29, 475  | 40, 817  | 48, 135               | (?)      | 7. 1                  | 8. 5                 | 9. 6    | (?)    |      |      |      |
| 1,000 acres and over.....                    | 24, 317  | 31, 263  | 37, 729               | (?)      | 5. 9                  | 6. 5                 | 7. 5    | (?)    |      |      |      |
| BY TENURE                                    |          |          |                       |          |                       |                      |         |        |      |      |      |
| All farm land, total.....                    | 838, 592 | 878, 798 | 955, 884              | 994, 319 | 100. 0                | 100. 0               | 100. 0  | 100. 0 |      |      |      |
| Owners.....                                  | 556, 040 | 598, 555 | 636, 775              | 616, 336 | 66. 3                 | 68. 1                | 66. 6   | 66. 7  |      |      |      |
| Owning entire farm.....                      | 431, 261 | 464, 923 | 461, 250              | 419, 446 | 51. 4                 | 52. 9                | 48. 3   | 45. 4  |      |      |      |
| Hiring additional land.....                  | 124, 779 | 133, 631 | 175, 525              | 196, 890 | 14. 9                 | 15. 2                | 18. 4   | 21. 3  |      |      |      |
| Managers.....                                | 87, 518  | 53, 731  | 54, 129               | 43, 097  | 10. 4                 | 6. 1                 | 5. 7    | 4. 7   |      |      |      |
| Tenants.....                                 | 195, 034 | 226, 513 | 264, 980              | 264, 887 | 23. 3                 | 25. 8                | 27. 7   | 28. 7  |      |      |      |
| Share.....                                   | 117, 710 | 123, 054 | <sup>2</sup> 160, 723 | 210, 696 | 14. 0                 | 14. 0                | 16. 8   | 22. 8  |      |      |      |
| Share-cash.....                              |          | 19, 390  | 24, 334               |          |                       | 2. 2                 | 2. 5    |        |      |      |      |
| Cash.....                                    |          | 77, 323  | 67, 847               |          |                       | <sup>3</sup> 71, 482 | 54, 190 |        | 9. 2 | 7. 7 | 7. 5 |
| Unspecified.....                             |          |          | 16, 222               |          |                       | 8, 441               |         |        |      | 1. 8 | . 9  |
| Improved farm land, total.....               | 414, 498 | 478, 452 | 503, 073              | (?)      | 100. 0                | 100. 0               | 100. 0  | (?)    |      |      |      |
| Owners.....                                  | 278, 231 | 309, 850 | 314, 107              | (?)      | 67. 1                 | 64. 8                | 62. 4   | (?)    |      |      |      |
| Owning entire farm.....                      | 221, 489 | 233, 809 | 235, 132              | (?)      | 53. 4                 | 48. 9                | 46. 7   | (?)    |      |      |      |
| Hiring additional land.....                  | 56, 742  | 76, 042  | 78, 975               | (?)      | 13. 7                 | 15. 9                | 15. 7   | (?)    |      |      |      |
| Managers.....                                | 10, 910  | 12, 314  | 12, 311               | (?)      | 2. 6                  | 2. 6                 | 2. 6    | (?)    |      |      |      |
| Tenants.....                                 | 125, 356 | 156, 287 | 175, 756              | (?)      | 30. 2                 | 32. 7                | 34. 9   | (?)    |      |      |      |
| Share.....                                   | 82, 773  | 89, 738  | <sup>2</sup> 112, 880 | (?)      | 20. 0                 | 18. 8                | 22. 4   | (?)    |      |      |      |
| Share-cash.....                              |          | 15, 924  | 19, 933               |          |                       | 3. 3                 | 4. 0    |        |      |      |      |
| Cash.....                                    |          | 42, 584  | 41, 566               |          |                       | <sup>3</sup> 38, 386 | 10. 3   |        | 8. 7 | 7. 6 |      |
| Unspecified.....                             |          |          | 9, 059                |          |                       | 4, 555               |         |        | 1. 9 | . 9  |      |
| BY COLOR OF FARMER                           |          |          |                       |          |                       |                      |         |        |      |      |      |
| All farm land, total.....                    | 838, 592 | 878, 798 | 955, 884              | 994, 319 | 100. 0                | 100. 0               | 100. 0  | 100. 0 |      |      |      |
| White farmers.....                           | 796, 826 | 832, 166 | 910, 939              | (?)      | 95. 0                 | 94. 7                | 95. 3   | (?)    |      |      |      |
| Colored farmers.....                         | 41, 766  | 46, 632  | 44, 945               | (?)      | 5. 0                  | 5. 3                 | 4. 7    | (?)    |      |      |      |
| Improved farm land, total.....               | 414, 498 | 478, 452 | 503, 073              | (?)      | 100. 0                | 100. 0               | 100. 0  | (?)    |      |      |      |
| White farmers.....                           | 390, 201 | 449, 418 | 473, 775              | (?)      | 94. 1                 | 93. 9                | 94. 2   | (?)    |      |      |      |
| Colored farmers.....                         | 24, 297  | 29, 033  | 29, 298               | (?)      | 5. 9                  | 6. 1                 | 5. 8    | (?)    |      |      |      |

<sup>1</sup> The classification by size in this section of the table, as in the preceding section, is based on the entire area of each farm.

<sup>2</sup> Not available.

<sup>3</sup> Includes croppers reported in Southern States only.

<sup>4</sup> Includes all tenants except cash tenants.

<sup>5</sup> Includes standing renters.

Source: Bureau of the Census, Department of Commerce.

## No. 547.—NUMBER OF FARMS BY TENURE

(Note.—Total number of farms (all tenures combined) in Table 541. Acreage by tenure in Table 542)

| Division and State              | Number of farms operated by— |           |           |          |        |        |           |           |           |
|---------------------------------|------------------------------|-----------|-----------|----------|--------|--------|-----------|-----------|-----------|
|                                 | Owners                       |           |           | Managers |        |        | Tenants   |           |           |
|                                 | 1919                         | 1920      | 1921      | 1919     | 1920   | 1921   | 1919      | 1920      | 1921      |
| <b>United States</b> .....      | 2,543,793                    | 2,525,000 | 2,566,322 | 56,104   | 55,442 | 40,700 | 2,361,978 | 2,454,558 | 2,485,922 |
| <b>New England</b> .....        | 168,408                      | 140,100   | 148,158   | 5,379    | 4,003  | 2,403  | 15,619    | 11,095    | 8,005     |
| Maine.....                      | 56,454                       | 45,437    | 47,984    | 969      | 798    | 350    | 2,563     | 2,009     | 1,609     |
| New Hampshire.....              | 24,493                       | 18,604    | 19,895    | 681      | 546    | 158    | 1,879     | 1,372     | 1,014     |
| Vermont.....                    | 28,065                       | 25,121    | 24,889    | 690      | 508    | 307    | 4,006     | 3,286     | 2,890     |
| Massachusetts.....              | 33,075                       | 28,087    | 30,870    | 1,803    | 1,637  | 879    | 2,979     | 2,267     | 1,605     |
| Rhode Island.....               | 4,087                        | 3,265     | 3,208     | 251      | 205    | 176    | 854       | 638       | 473       |
| Connecticut.....                | 23,234                       | 18,666    | 21,228    | 942      | 1,070  | 494    | 2,862     | 1,919     | 1,486     |
| <b>Middle Atlantic</b> .....    | 354,088                      | 327,104   | 348,179   | 9,078    | 9,369  | 4,464  | 104,271   | 98,190    | 95,294    |
| New York.....                   | 166,574                      | 151,737   | 159,949   | 4,051    | 4,378  | 2,281  | 44,872    | 37,102    | 26,544    |
| New Jersey.....                 | 24,123                       | 21,682    | 24,523    | 1,000    | 967    | 413    | 8,204     | 6,826     | 4,723     |
| Pennsylvania.....               | 164,299                      | 153,685   | 163,696   | 3,967    | 4,024  | 1,770  | 51,195    | 44,262    | 24,967    |
| <b>East North Central</b> ..... | 809,844                      | 790,786   | 771,878   | 10,848   | 12,531 | 6,008  | 303,897   | 304,407   | 273,089   |
| Ohio.....                       | 192,104                      | 177,986   | 161,247   | 2,733    | 3,005  | 1,000  | 77,163    | 75,844    | 62,266    |
| Indiana.....                    | 148,501                      | 137,310   | 137,429   | 2,297    | 2,239  | 1,208  | 64,687    | 65,687    | 57,089    |
| Illinois.....                   | 145,107                      | 132,574   | 129,074   | 2,380    | 3,411  | 1,877  | 104,379   | 101,186   | 94,640    |
| Michigan.....                   | 172,310                      | 159,406   | 161,874   | 1,901    | 2,319  | 1,234  | 32,689    | 34,722    | 29,119    |
| Wisconsin.....                  | 151,022                      | 149,610   | 142,062   | 1,461    | 2,427  | 1,167  | 24,654    | 27,258    | 29,936    |
| <b>West North Central</b> ..... | 732,848                      | 711,166   | 686,787   | 2,864    | 10,778 | 5,889  | 342,618   | 373,613   | 412,943   |
| Minnesota.....                  | 123,104                      | 122,744   | 120,892   | 1,222    | 1,896  | 786    | 32,811    | 44,122    | 51,053    |
| Iowa.....                       | 123,003                      | 121,888   | 116,444   | 1,830    | 2,487  | 1,600  | 62,115    | 69,064    | 95,306    |
| Missouri.....                   | 192,286                      | 185,030   | 174,383   | 2,001    | 2,247  | 1,069  | 82,908    | 75,727    | 65,027    |
| North Dakota.....               | 63,212                       | 56,917    | 49,513    | 484      | 686    | 361    | 10,654    | 19,018    | 20,000    |
| South Dakota.....               | 57,984                       | 47,618    | 46,180    | 422      | 781    | 331    | 19,281    | 26,041    | 33,046    |
| Nebraska.....                   | 79,250                       | 69,073    | 67,780    | 857      | 1,312  | 609    | 49,441    | 53,450    | 59,299    |
| Kansas.....                     | 111,109                      | 97,090    | 96,149    | 1,328    | 1,495  | 726    | 65,298    | 66,761    | 70,001    |
| <b>South Atlantic</b> .....     | 593,164                      | 607,089   | 609,804   | 8,298    | 9,799  | 6,137  | 510,489   | 549,086   | 493,650   |
| Delaware.....                   | 6,178                        | 6,010     | 6,515     | 123      | 144    | 74     | 4,535     | 3,986     | 3,608     |
| Maryland.....                   | 33,519                       | 32,806    | 35,138    | 968      | 1,262  | 936    | 14,416    | 13,841    | 12,927    |
| District of Columbia.....       | 118                          | 100       | 81        | 15       | 19     | 19     | 84        | 85        | 39        |
| Virginia.....                   | 123,664                      | 136,363   | 143,587   | 1,625    | 2,134  | 1,238  | 48,729    | 47,745    | 48,898    |
| West Virginia.....              | 75,978                       | 72,101    | 74,943    | 872      | 1,000  | 662    | 19,835    | 14,096    | 14,775    |
| North Carolina.....             | 145,320                      | 151,376   | 154,805   | 1,118    | 928    | 423    | 107,287   | 117,459   | 128,254   |
| South Carolina.....             | 64,350                       | 67,724    | 59,909    | 863      | 738    | 368    | 111,221   | 124,231   | 112,430   |
| Georgia.....                    | 98,628                       | 102,123   | 86,680    | 1,419    | 1,665  | 1,407  | 190,980   | 206,954   | 159,006   |
| Florida.....                    | 35,290                       | 38,487    | 45,586    | 1,275    | 1,829  | 1,010  | 13,842    | 13,089    | 12,621    |
| <b>East South Central</b> ..... | 510,452                      | 593,906   | 497,235   | 2,290    | 3,606  | 1,781  | 538,738   | 532,286   | 508,496   |
| Kentucky.....                   | 170,332                      | 179,327   | 175,442   | 903      | 969    | 281    | 87,660    | 90,330    | 82,801    |
| Tennessee.....                  | 144,125                      | 148,082   | 149,437   | 826      | 807    | 324    | 101,061   | 103,885   | 103,718   |
| Alabama.....                    | 103,929                      | 107,080   | 92,945    | 646      | 741    | 448    | 158,326   | 149,269   | 144,235   |
| Mississippi.....                | 92,066                       | 91,810    | 80,808    | 825      | 969    | 678    | 181,491   | 179,802   | 175,742   |
| <b>West South Central</b> ..... | 440,808                      | 464,386   | 412,084   | 4,696    | 5,613  | 3,068  | 497,585   | 536,747   | 608,183   |
| Arkansas.....                   | 106,649                      | 112,647   | 96,476    | 763      | 736    | 816    | 107,266   | 119,231   | 125,899   |
| Louisiana.....                  | 52,989                       | 57,254    | 52,388    | 960      | 828    | 303    | 66,607    | 77,281    | 79,561    |
| Oklahoma.....                   | 85,604                       | 93,217    | 81,226    | 651      | 935    | 484    | 104,137   | 97,836    | 115,498   |
| Texas.....                      | 196,565                      | 201,219   | 182,976   | 2,332    | 2,514  | 1,445  | 219,575   | 222,809   | 251,225   |
| <b>Mountain</b> .....           | 180,844                      | 202,515   | 179,196   | 2,912    | 4,116  | 2,410  | 19,690    | 27,478    | 31,784    |
| Montana.....                    | 23,365                       | 50,271    | 36,281    | 505      | 899    | 267    | 2,344     | 6,507     | 10,256    |
| Idaho.....                      | 27,169                       | 34,647    | 36,195    | 450      | 758    | 511    | 3,189     | 6,701     | 9,800     |
| Wyoming.....                    | 9,779                        | 13,403    | 12,545    | 311      | 377    | 191    | 897       | 1,968     | 2,776     |
| Colorado.....                   | 36,943                       | 45,291    | 39,517    | 787      | 880    | 585    | 8,290     | 13,763    | 17,918    |
| New Mexico.....                 | 33,398                       | 25,756    | 26,005    | 321      | 433    | 256    | 1,967     | 3,465     | 5,426     |
| Arizona.....                    | 8,203                        | 7,899     | 8,179     | 163      | 305    | 296    | 861       | 1,801     | 2,327     |
| Utah.....                       | 19,762                       | 22,579    | 23,013    | 194      | 296    | 90     | 1,720     | 2,787     | 2,899     |
| Nevada.....                     | 2,175                        | 2,686     | 3,463     | 181      | 168    | 114    | 333       | 296       | 306       |
| <b>Pacific</b> .....            | 161,953                      | 180,144   | 215,990   | 5,225    | 7,083  | 6,968  | 22,728    | 46,887    | 41,896    |
| Washington.....                 | 47,505                       | 52,701    | 60,389    | 961      | 1,168  | 935    | 7,726     | 12,419    | 11,943    |
| Oregon.....                     | 37,796                       | 39,803    | 45,857    | 847      | 916    | 618    | 6,850     | 9,437     | 9,400     |
| California.....                 | 66,652                       | 87,640    | 109,654   | 3,417    | 4,999  | 6,709  | 18,148    | 25,141    | 20,046    |

Source: Bureau of the Census, Department of Commerce.

**No. 548.—PERCENTAGE OF TOTAL NUMBER OF FARMS AND TOTAL ACRE-  
AGE OPERATED BY TENANTS**

| Division and State              | Per cent of total operated by tenants |      |      |                   |      |      |                        |      |
|---------------------------------|---------------------------------------|------|------|-------------------|------|------|------------------------|------|
|                                 | Number of farms                       |      |      | All land in farms |      |      | Improved land in farms |      |
|                                 | 1910                                  | 1920 | 1925 | 1910              | 1920 | 1925 | 1910                   | 1920 |
| <b>United States</b> .....      | 27.0                                  | 26.1 | 26.6 | 26.8              | 27.7 | 28.7 | 33.7                   | 34.9 |
| <b>New England</b> .....        | 8.0                                   | 7.4  | 5.8  | 7.8               | 7.7  | 6.9  | 8.5                    | 8.4  |
| Maine.....                      | 4.3                                   | 4.2  | 3.4  | 3.6               | 3.8  | 3.0  | 3.6                    | 3.8  |
| New Hampshire.....              | 6.9                                   | 6.7  | 4.8  | 5.4               | 5.9  | 4.2  | 6.1                    | 6.5  |
| Vermont.....                    | 12.3                                  | 11.6 | 9.3  | 13.7              | 13.3 | 10.7 | 15.9                   | 14.7 |
| Massachusetts.....              | 8.1                                   | 7.1  | 4.6  | 7.0               | 6.4  | 4.4  | 7.1                    | 6.6  |
| Rhode Island.....               | 18.0                                  | 15.5 | 12.1 | 18.2              | 15.9 | 12.1 | 19.3                   | 16.0 |
| Connecticut.....                | 9.8                                   | 8.5  | 6.4  | 9.9               | 8.9  | 6.7  | 10.1                   | 8.9  |
| <b>Middle Atlantic</b> .....    | 22.8                                  | 20.7 | 15.5 | 25.9              | 23.7 | 19.0 | 27.7                   | 25.4 |
| New York.....                   | 20.8                                  | 19.2 | 14.1 | 24.4              | 22.4 | 17.2 | 25.6                   | 23.5 |
| New Jersey.....                 | 24.8                                  | 23.0 | 15.9 | 30.4              | 28.5 | 23.5 | 32.8                   | 31.0 |
| Pennsylvania.....               | ■                                     | 21.9 | 17.4 | 27.1              | 24.7 | 20.6 | 29.4                   | 26.6 |
| <b>East North Central</b> ..... | 27.0                                  | ■    | 24.8 | 30.0              | 32.8 | 31.5 | 31.6                   | 35.2 |
| Ohio.....                       | 23.4                                  | 29.5 | 25.5 | 31.4              | 33.8 | 30.9 | 32.0                   | 34.5 |
| Indiana.....                    | 30.0                                  | 32.0 | 29.2 | 32.3              | 36.7 | 35.0 | 33.3                   | 37.8 |
| Illinois.....                   | 41.4                                  | 42.7 | 42.0 | 43.5              | 46.9 | 47.1 | 44.9                   | 48.0 |
| Michigan.....                   | 15.8                                  | 17.7 | 15.1 | 17.8              | 20.5 | 17.7 | 19.3                   | 21.7 |
| Wisconsin.....                  | 13.9                                  | 14.4 | 15.5 | 15.8              | 17.0 | 18.4 | 17.9                   | 18.6 |
| <b>West North Central</b> ..... | 30.8                                  | 34.2 | 37.8 | 37.0              | 32.8 | 35.8 | 30.6                   | 35.8 |
| Minnesota.....                  | 21.0                                  | 24.7 | 27.1 | 23.8              | 29.0 | 32.1 | 26.5                   | 32.3 |
| Iowa.....                       | 37.8                                  | 41.7 | 44.7 | 39.0              | 44.4 | 47.5 | 39.6                   | 44.9 |
| Missouri.....                   | 29.9                                  | 28.8 | 32.6 | 25.4              | 27.1 | 29.3 | 26.4                   | 27.9 |
| North Dakota.....               | 14.3                                  | 25.6 | 34.4 | 15.3              | 23.8 | 30.7 | 18.0                   | 27.0 |
| South Dakota.....               | 24.8                                  | 34.9 | 41.5 | 23.3              | 27.7 | 32.2 | 30.1                   | 35.4 |
| Nebraska.....                   | 38.1                                  | 42.9 | 46.4 | 27.3              | 33.9 | 37.3 | 34.3                   | 41.1 |
| Kansas.....                     | 36.8                                  | 40.4 | 42.2 | 30.6              | 37.0 | 39.5 | 33.6                   | 39.7 |
| <b>South Atlantic</b> .....     | 45.8                                  | 48.8 | 44.5 | 30.1              | 32.8 | 30.9 | 32.0                   | 30.2 |
| Delaware.....                   | 41.9                                  | 39.3 | 35.8 | 52.1              | 49.9 | 46.5 | 52.4                   | 51.2 |
| Maryland.....                   | 29.5                                  | 28.9 | 26.4 | 38.5              | ■    | 35.6 | 40.0                   | 38.5 |
| District of Columbia.....       | 38.7                                  | 41.7 | 28.1 | 35.9              | 35.1 | 21.2 | 34.0                   | 33.5 |
| Virginia.....                   | 26.5                                  | 25.6 | 25.2 | 21.1              | 21.4 | 19.7 | 21.1                   | 21.2 |
| West Virginia.....              | 20.5                                  | 16.2 | 16.3 | 15.5              | 14.6 | 14.3 | 14.2                   | 13.6 |
| North Carolina.....             | 42.3                                  | 43.5 | 45.2 | 27.6              | 30.9 | 31.3 | 35.3                   | 38.1 |
| South Carolina.....             | 63.0                                  | 64.5 | 65.1 | 36.4              | 42.5 | 41.0 | 51.7                   | 55.7 |
| Georgia.....                    | 65.0                                  | 66.6 | 63.8 | 42.0              | 46.0 | 42.2 | 57.9                   | 58.4 |
| Florida.....                    | 26.7                                  | 25.3 | 21.3 | 13.1              | 12.0 | 11.0 | 24.5                   | 22.8 |
| <b>East South Central</b> ..... | 50.7                                  | 49.7 | 50.3 | 28.0              | ■    | 29.2 | 36.4                   | 36.0 |
| Kentucky.....                   | 33.9                                  | 33.4 | 32.0 | 19.9              | 21.1 | 19.8 | 21.5                   | 22.3 |
| Tennessee.....                  | 41.1                                  | 41.1 | 41.0 | 25.1              | 28.2 | 26.5 | 30.4                   | 31.9 |
| Alabama.....                    | 60.2                                  | 57.9 | 60.7 | 34.2              | 35.8 | 38.2 | 51.1                   | 47.7 |
| Mississippi.....                | 66.1                                  | 66.1 | 68.3 | 33.7              | ■    | 34.4 | 51.3                   | 48.8 |
| <b>West South Central</b> ..... | 52.8                                  | 52.9 | 52.3 | 26.7              | 26.1 | 33.5 | 44.5                   | 45.3 |
| Arkansas.....                   | 60.0                                  | 51.3 | 54.7 | 27.0              | 30.3 | 33.8 | 39.0                   | 40.5 |
| Louisiana.....                  | 55.3                                  | 57.1 | 60.1 | 25.7              | 28.6 | 29.7 | 37.8                   | 40.6 |
| Oklahoma.....                   | 54.8                                  | 51.0 | 58.6 | 42.1              | 39.3 | 45.1 | 45.9                   | 44.4 |
| Texas.....                      | 52.6                                  | 53.3 | 60.4 | 22.5              | 27.6 | 30.5 | 46.6                   | 48.1 |
| <b>Mountain</b> .....           | 10.7                                  | 15.4 | 23.2 | 10.5              | 11.5 | 14.5 | 14.4                   | 18.5 |
| Montana.....                    | 8.9                                   | 11.3 | 21.9 | 10.9              | 9.3  | 16.7 | 10.6                   | 12.7 |
| Idaho.....                      | 10.3                                  | 15.9 | 24.4 | 10.7              | 14.2 | 20.4 | 13.8                   | 17.4 |
| Wyoming.....                    | 8.2                                   | 12.5 | 17.9 | 6.2               | 8.3  | 8.9  | 10.0                   | 1■   |
| Colorado.....                   | 18.2                                  | 23.0 | 30.9 | 16.7              | 17.4 | 22.7 | 25.2                   | 24.1 |
| New Mexico.....                 | 5.5                                   | 12.2 | 17.1 | 8.7               | 11.0 | 11.9 | 6.4                    | 14.4 |
| Arizona.....                    | 9.3                                   | 18.1 | 21.5 | 8.6               | 10.2 | 8.8  | 17.1                   | 21.3 |
| Utah.....                       | 7.9                                   | 10.9 | 11.1 | 5.7               | 7.4  | 8.9  | 7.3                    | 10.4 |
| Nevada.....                     | 12.4                                  | 9.4  | 7.9  | 5.5               | 6.0  | 4.6  | 7.4                    | 9.0  |
| <b>Pacific</b> .....            | 17.2                                  | 20.1 | 13.6 | 18.5              | 22.8 | 18.7 | 25.6                   | 29.7 |
| Washington.....                 | 13.7                                  | 18.7 | 16.3 | 17.7              | 26.0 | 25.4 | 22.6                   | 32.9 |
| Oregon.....                     | 15.1                                  | 18.8 | 16.8 | 16.1              | 19.8 | 16.8 | 23.4                   | 26.1 |
| California.....                 | 20.6                                  | 21.4 | 14.7 | 22.2              | 22.8 | 18.6 | 26.1                   | 29.2 |

Source: Bureau of the Census, Department of Commerce.

## No. 549.—FARM ACREAGE, TOTAL AND IMPROVED, BY TENURE

[NOTE.—For total farm acreage and total improved acreage (all tenures combined) see Table 541]

[All figures are expressed in thousands of acres]

| Division and State             | All land in farms operated by— |                |                |               |               |               |               |               |               | Improved lands in farms in 1920 operated by— |              |               |
|--------------------------------|--------------------------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|--|--------------|---------------|
|                                | Owners                         |                |                | Managers      |               |               | Tenants       |               |               | Owners                                       | Managers     | Tenants       |
|                                | 1910                           | 1920           | 1925           | 1910          | 1920          | 1925          | 1910          | 1920          | 1925          |  |              |               |
| United States.....             | 598,555                        | 638,775        | 616,336        | 63,731        | 64,139        | 45,097        | 326,513       | 364,960       | 364,587       | 314,107                                      | 12,311       | 175,746       |
| <b>New England.....</b>        | <b>17,089</b>                  | <b>14,709</b>  | <b>14,344</b>  | <b>1,067</b>  | <b>960</b>    | <b>661</b>    | <b>1,538</b>  | <b>1,306</b>  | <b>894</b>    | <b>6,880</b>                                 | <b>328</b>   | <b>612</b>    |
| Maine.....                     | 5,916                          | 5,074          | 4,936          | 157           | 146           | 71            | 224           | 206           | 154           | 1,853  | 49           | 75            |
| New Hampshire.....             | 2,864                          | 2,296          | 2,109          | 210           | 184           | 59            | 176           | 153           | 96            | 624  | 34           | 45            |
| Vermont.....                   | 3,816                          | 3,521          | 3,407          | 209           | 150           | 100           | 638           | 565           | 419           | 1,389  | 50           | 248           |
| Massachusetts.....             | 2,343                          | 2,022          | 2,051          | 331           | 313           | 212           | 302           | 159           | 104           | 745  | 105          | 60            |
| Rhode Island.....              | 318                            | 249            | 248            | 44            | 30            | 24            | 81            | 63            | 37            | 98   | 14           | 21            |
| Connecticut.....               | 1,832                          | 1,543          | 1,593          | 137           | 187           | 116           | 217           | 169           | 123           | 573  | 65           | 65            |
| <b>Middle Atlantic.....</b>    | <b>30,983</b>                  | <b>28,019</b>  | <b>29,464</b>  | <b>1,714</b>  | <b>1,923</b>  | <b>910</b>    | <b>11,194</b> | <b>9,691</b>  | <b>7,117</b>  | <b>16,777</b>                                | <b>1,096</b> | <b>6,738</b>  |
| New York.....                  | 15,825                         | 15,064         | 15,459         | 838           | 932           | 496           | 5,367         | 4,616         | 3,315         | 9,601  | 402          | 3,096         |
| New Jersey.....                | 1,563                          | 1,425          | 1,404          | 227           | 208           | 68            | 784           | 649           | 452           | 972  | 102          | 482           |
| Pennsylvania.....              | 12,895                         | 12,510         | 12,600         | 648           | 782           | 346           | 5,043         | 4,366         | 3,350         | 8,204  | 463          | 3,180         |
| <b>East North Central.....</b> | <b>30,934</b>                  | <b>26,518</b>  | <b>28,560</b>  | <b>2,354</b>  | <b>2,987</b>  | <b>1,651</b>  | <b>26,341</b> | <b>26,350</b> | <b>35,521</b> | <b>55,190</b>                                | <b>1,829</b> | <b>30,946</b> |
| Ohio.....                      | 16,032                         | 15,000         | 15,083         | 508           | 562           | 266           | 7,669         | 7,954         | 6,870         | 11,746                                       | 290          | 6,408         |
| Indiana.....                   | 13,939                         | 12,870         | 12,687         | 483           | 473           | 286           | 6,877         | 7,720         | 6,961         | 10,020                                       | 347          | 6,306         |
| Illinois.....                  | 17,787                         | 16,265         | 15,798         | 558           | 713           | 460           | 14,177        | 14,997        | 14,485        | 13,621                                       | 578          | 12,096        |
| Michigan.....                  | 15,107                         | 14,541         | 14,470         | 453           | 588           | 369           | 3,381         | 3,904         | 3,197         | 9,847  | 272          | 2,906         |
| Wisconsin.....                 | 17,369                         | 17,841         | 17,562         | 355           | 532           | 279           | 3,336         | 3,775         | 4,010         | 9,899  | 242          | 2,321         |
| <b>West North Central.....</b> | <b>164,790</b>                 | <b>169,570</b> | <b>156,790</b> | <b>5,005</b>  | <b>6,079</b>  | <b>3,497</b>  | <b>62,953</b> | <b>62,324</b> | <b>58,805</b> | <b>107,109</b>                               | <b>2,656</b> | <b>61,426</b> |
| Minnesota.....                 | 20,669                         | 21,014         | 20,186         | 414           | 442           | 224           | 6,593         | 6,765         | 9,649         | 14,255                                       | 284          | 6,943         |
| Iowa.....                      | 20,214                         | 18,061         | 17,092         | 491           | 569           | 390           | 13,236        | 14,855        | 15,799        | 15,320                                       | 440          | 12,841        |
| Missouri.....                  | 25,189                         | 24,687         | 22,733         | 630           | 664           | 350           | 8,772         | 9,423         | 9,559         | 17,467                                       | 429          | 6,937         |
| North Dakota.....              | 23,587                         | 20,850         | 23,523         | 477           | 811           | 271           | 4,363         | 8,553         | 10,533        | 17,457                                       | 483          | 6,623         |
| South Dakota.....              | 19,315                         | 24,169         | 20,937         | 635           | 890           | 771           | 6,097         | 9,577         | 10,310        | 11,483                                       | 279          | 6,437         |
| Nebraska.....                  | 26,976                         | 26,422         | 25,555         | 1,095         | 1,480         | 776           | 10,552        | 14,323        | 15,693        | 13,179                                       | 452          | 9,499         |
| Kansas.....                    | 28,840                         | 27,377         | 25,753         | 1,264         | 1,221         | 714           | 13,281        | 16,827        | 17,263        | 17,943                                       | 503          | 12,155        |
| <b>South Atlantic.....</b>     | <b>69,130</b>                  | <b>61,796</b>  | <b>58,301</b>  | <b>3,344</b>  | <b>4,402</b>  | <b>3,511</b>  | <b>31,288</b> | <b>31,575</b> | <b>26,758</b> | <b>22,029</b>                                | <b>1,470</b> | <b>19,011</b> |
| Delaware.....                  | 477                            | 451            | 465            | 21            | 21            | 16            | 641           | 472           | 418           | 302  | 17           | 314           |
| Maryland.....                  | 2,905                          | 2,751          | 2,674          | 207           | 259           | 182           | 1,945         | 1,748         | 1,577         | 1,760  | 169          | 1,206         |
| Dist. of Columbia.....         | 2                              | 2              | 1              | 1             | 2             | 2             | 2             | 2             | 1             | 1  | 2            | 1             |
| Virginia.....                  | 14,715                         | 13,761         | 13,311         | 660           | 824           | 514           | 4,120         | 3,976         | 3,385         | 7,043  | 415          | 2,002         |
| West Virginia.....             | 8,384                          | 7,813          | 7,483          | 285           | 356           | 211           | 1,558         | 1,400         | 1,286         | 4,588  | 184          | 749           |
| North Carolina.....            | 15,656                         | 13,442         | 12,533         | 582           | 386           | 232           | 6,200         | 6,194         | 5,829         | 4,966  | 112          | 3,130         |
| South Carolina.....            | 8,062                          | 6,717          | 6,987          | 547           | 425           | 293           | 4,133         | 5,285         | 4,359         | 2,623  | 116          | 3,445         |
| Georgia.....                   | 14,851                         | 12,801         | 11,889         | 779           | 926           | 900           | 11,523        | 11,714        | 9,257         | 5,108  | 319          | 7,628         |
| Florida.....                   | 4,287                          | 4,060          | 3,958          | 281           | 1,202         | 1,260         | 886           | 784           | 647           | 1,637  | 136          | 524           |
| <b>East South Central.....</b> | <b>57,132</b>                  | <b>54,022</b>  | <b>49,048</b>  | <b>1,003</b>  | <b>1,599</b>  | <b>923</b>    | <b>29,785</b> | <b>23,347</b> | <b>20,635</b> | <b>27,730</b>                                | <b>686</b>   | <b>15,968</b> |
| Kentucky.....                  | 17,463                         | 16,792         | 15,829         | 315           | 270           | 137           | 4,411         | 4,551         | 3,947         | 10,694                                       | 163          | 3,119         |
| Tennessee.....                 | 14,673                         | 13,779         | 13,025         | 335           | 221           | 124           | 5,634         | 5,511         | 4,751         | 7,507  | 108          | 3,571         |
| Alabama.....                   | 13,290                         | 12,117         | 10,086         | 367           | 455           | 245           | 7,085         | 7,004         | 6,408         | 4,966  | 184          | 4,723         |
| Mississippi.....               | 14,716                         | 11,344         | 10,108         | 587           | 683           | 416           | 6,255         | 6,280         | 5,529         | 4,543  | 230          | 4,552         |
| <b>West South Central.....</b> | <b>104,333</b>                 | <b>104,781</b> | <b>97,711</b>  | <b>19,698</b> | <b>16,511</b> | <b>11,998</b> | <b>45,098</b> | <b>52,157</b> | <b>55,905</b> | <b>33,786</b>                                | <b>1,539</b> | <b>29,084</b> |
| Arkansas.....                  | 12,390                         | 11,810         | 10,027         | 328           | 332           | 318           | 4,589         | 5,265         | 5,287         | 5,340  | 144          | 3,727         |
| Louisiana.....                 | 6,796                          | 6,255          | 5,624          | 696           | 900           | 590           | 2,687         | 2,894         | 2,624         | 2,979  | 362          | 2,285         |
| Oklahoma.....                  | 15,967                         | 18,472         | 15,060         | 429           | 920           | 1,327         | 12,434        | 12,554        | 13,953        | 9,885  | 96           | 8,044         |
| Texas.....                     | 69,270                         | 68,244         | 66,451         | 13,645        | 14,359        | 9,163         | 25,776        | 31,444        | 33,967        | 15,582                                       | 637          | 15,008        |
| <b>Mountain.....</b>           | <b>42,268</b>                  | <b>30,889</b>  | <b>28,542</b>  | <b>11,004</b> | <b>12,974</b> | <b>14,047</b> | <b>6,284</b>  | <b>13,473</b> | <b>19,100</b> | <b>23,583</b>                                | <b>1,536</b> | <b>4,977</b>  |
| Montana.....                   | 16,611                         | 28,163         | 27,965         | 1,436         | 2,860         | 1,912         | 1,475         | 3,268         | 5,459         | 9,115  | 489          | 1,403         |
| Idaho.....                     | 4,446                          | 6,799          | 6,185          | 276           | 696           | 272           | 567           | 1,191         | 1,659         | 3,544  | 181          | 787           |
| Wyoming.....                   | 5,151                          | 9,390          | 15,062         | 2,863         | 1,466         | 1,939         | 527           | 984           | 1,662         | 1,663  | 148          | 291           |
| Colorado.....                  | 10,135                         | 18,622         | 17,687         | 1,140         | 1,596         | 1,285         | 2,257         | 4,244         | 5,496         | 5,982  | 298          | 1,465         |
| New Mexico.....                | 7,086                          | 17,854         | 19,800         | 3,196         | 3,883         | 4,143         | 978           | 2,693         | 3,317         | 1,193  | 76           | 246           |
| Arizona.....                   | 875                            | 3,820          | 7,590          | 285           | 1,491         | 2,115         | 107           | 592           | 970           | 442  | 119          | 182           |
| Utah.....                      | 2,898                          | 4,083          | 4,469          | 315           | 616           | 184           | 194           | 372           | 347           | 1,457  | 79           | 179           |
| Nevada.....                    | 1,032                          | 1,420          | 2,903          | 1,524         | 796           | 1,209         | 158           | 141           | 190           | 399  | 145          | 51            |
| <b>Pacific.....</b>            | <b>33,277</b>                  | <b>36,473</b>  | <b>37,568</b>  | <b>7,900</b>  | <b>6,865</b>  | <b>5,990</b>  | <b>10,158</b> | <b>12,815</b> | <b>10,713</b> | <b>14,680</b>                                | <b>2,145</b> | <b>7,087</b>  |
| Washington.....                | 9,115                          | 9,260          | 9,042          | 529           | 541           | 393           | 2,068         | 3,444         | 3,206         | 4,530  | 256          | 2,343         |
| Oregon.....                    | 9,936                          | 10,017         | 10,851         | 766           | 838           | 501           | 1,883         | 2,687         | 2,377         | 3,331  | 301          | 1,202         |
| California.....                | 15,125                         | 17,196         | 17,672         | 6,605         | 5,485         | 4,716         | 6,201         | 6,684         | 5,127         | 6,819  | 1,588        | 3,472         |

Source: Bureau of the Census, Department of Commerce.

No. 550.—FARM STATISTICS FOR THE SOUTH, BY COLOR AND TENURE OF FARMER; 1925

| Division and State        | Number of farms operated by— |                 |                     |          |          |          |
|---------------------------|------------------------------|-----------------|---------------------|----------|----------|----------|
|                           | White farmers                | Colored farmers | Owners and managers |          | Tenants  |          |
|                           |                              |                 | White               | Colored  | White    | Colored  |
| The South.....            | 2, 299, 963                  | 831, 455        | 1, 334, 912         | 195, 207 | 965, 051 | 636, 248 |
| South Atlantic.....       | 782, 008                     | 326, 058        | 517, 855            | 97, 586  | 264, 148 | 228, 472 |
| Delaware.....             | 9, 426                       | 831             | 6, 217              | 372      | 3, 209   | 459      |
| Maryland.....             | 42, 280                      | 6, 721          | 31, 863             | 4, 211   | 10, 417  | 2, 510   |
| District of Columbia..... | 130                          | 9               | 94                  | 6        | 36       | 3        |
| Virginia.....             | 143, 576                     | 50, 147         | 111, 606            | 33, 219  | 31, 970  | 16, 928  |
| West Virginia.....        | 89, 666                      | 714             | 75, 065             | 540      | 14, 601  | 174      |
| North Carolina.....       | 202, 516                     | 80, 966         | 133, 127            | 22, 101  | 69, 389  | 58, 865  |
| South Carolina.....       | 82, 186                      | 90, 581         | 41, 935             | 18, 402  | 40, 251  | 72, 179  |
| Georgia.....              | 165, 018                     | 84, 077         | 78, 216             | 11, 871  | 86, 802  | 72, 206  |
| Florida.....              | 47, 205                      | 12, 012         | 39, 732             | 6, 864   | 7, 473   | 5, 148   |
| East South Central.....   | 725, 225                     | 296, 827        | 451, 223            | 48, 333  | 274, 002 | 232, 494 |
| Kentucky.....             | 247, 807                     | 10, 717         | 170, 753            | 4, 970   | 77, 054  | 5, 747   |
| Tennessee.....            | 218, 022                     | 34, 647         | 139, 716            | 9, 235   | 78, 306  | 25, 412  |
| Alabama.....              | 152, 310                     | 85, 321         | 78, 614             | 14, 782  | 73, 696  | 70, 539  |
| Mississippi.....          | 107, 086                     | 150, 142        | 62, 140             | 19, 346  | 44, 946  | 130, 796 |
| West South Central.....   | 792, 735                     | 264, 570        | 365, 834            | 49, 288  | 426, 901 | 175, 282 |
| Arkansas.....             | 158, 708                     | 63, 283         | 84, 990             | 11, 102  | 73, 718  | 52, 181  |
| Louisiana.....            | 72, 937                      | 59, 513         | 43, 289             | 9, 600   | 29, 648  | 49, 913  |
| Oklahoma.....             | 177, 170                     | 20, 048         | 73, 020             | 8, 700   | 104, 150 | 11, 348  |
| Texas.....                | 383, 920                     | 81, 726         | 164, 535            | 19, 886  | 219, 385 | 61, 840  |

Source: Bureau of the Census, Department of Commerce.

No. 551.—NUMBER AND ACREAGE OF FARMS BY TENURE AND COLOR (IN THE SOUTH) OF FARMER; 1925

[NOTE.—See headnote, Table 553]

| Division and color      | Number of farms operated by— |                     |             | All land (thousands of acres operated by— |                     |          |
|-------------------------|------------------------------|---------------------|-------------|---|---------------------|----------|
|                         | All farmers                  | Owners and managers | Tenants     | All farmers                               | Owners and managers | Tenants  |
|                         |                              |                     |             |   |                     |          |
| United States.....      | 6, 371, 640                  | 3, 909, 032         | 2, 462, 606 | 994, 319                                  | 659, 432            | 264, 887 |
| The North.....          | 2, 741, 243                  | 1, 973, 113         | 768, 130    | 414, 182                                  | 281, 806            | 132, 377 |
| The South.....          | 3, 131, 418                  | 1, 530, 119         | 1, 601, 299 | 324, 189                                  | 221, 492            | 102, 697 |
| White.....              | 2, 299, 963                  | 1, 334, 912         | 965, 051    | (1)                                       | (1)                 | (1)      |
| Colored.....            | 831, 455                     | 195, 207            | 636, 248    | (1)                                       | (1)                 | (1)      |
| South Atlantic.....     | 1, 108, 061                  | 615, 441            | 492, 620    | 88, 599                                   | 61, 811             | 26, 758  |
| White.....              | 782, 003                     | 517, 855            | 264, 148    | (1)                                       | (1)                 | (1)      |
| Colored.....            | 326, 058                     | 97, 586             | 228, 472    | (1)                                       | (1)                 | (1)      |
| East South Central..... | 1, 006, 052                  | 499, 556            | 506, 496    | 70, 607                                   | 49, 972             | 20, 635  |
| White.....              | 725, 225                     | 451, 223            | 274, 002    | (1)                                       | (1)                 | (1)      |
| Colored.....            | 280, 827                     | 48, 333             | 232, 494    | (1)                                       | (1)                 | (1)      |
| West South Central..... | 1, 017, 305                  | 415, 122            | 602, 183    | 165, 013                                  | 109, 709            | 55, 305  |
| White.....              | 792, 735                     | 365, 834            | 426, 901    | (1)                                       | (1)                 | (1)      |
| Colored.....            | 224, 570                     | 49, 288             | 175, 282    | (1)                                       | (1)                 | (1)      |
| Mountain.....           | 233, 392                     | 181, 608            | 51, 784     | 131, 689                                  | 112, 589            | 19, 100  |
| Pacific.....            | 265, 587                     | 224, 192            | 41, 395     | 54, 258                                   | 43, 546             | 10, 713  |

<sup>1</sup> Not available.

Source: Bureau of the Census, Department of Commerce.

### No. 552.—NUMBER AND ACREAGE OF FARMS BY COLOR AND NATIVITY OF FARMER

[NOTE.—For comparable statistics for 1925 for the South (all that are available) see Table 553. For total number of farms and acreage of all land in farms see Table 541.]

| Division and State        | Number of farms operated by— |                  |                            |                |                 |                | All land (thousands of acres) in farms operated by— |                                  |                       |
|---------------------------|------------------------------|------------------|----------------------------|----------------|-----------------|----------------|---|----------------------------------|-----------------------|
|                           | Native white farmers         |                  | Foreign-born white farmers |                | Colored farmers |                | Native white farmers, 1925                          | Foreign-born white farmers, 1925 | Colored farmers, 1925 |
|                           | 1910                         | 1925             | 1910                       | 1925           | 1910            | 1925           |   |                                  |                       |
| <b>United States</b>      | <b>4,771,043</b>             | <b>4,917,386</b> | <b>999,556</b>             | <b>581,068</b> | <b>990,883</b>  | <b>946,889</b> | <b>799,767</b>                                      | <b>111,179</b>                   | <b>44,945</b>         |
| <b>New England</b>        | <b>161,009</b>               | <b>128,028</b>   | <b>27,431</b>              | <b>38,366</b>  | <b>349</b>      | <b>271</b>     | <b>14,577</b>                                       | <b>2,398</b>                     | <b>21</b>             |
| Maine                     | 55,014                       | 43,830           | 4,073                      | 4,384          | 29              | 13             | 4,960   | 405                              | 1                     |
| New Hampshire             | 24,347                       | 17,890           | 2,091                      | 2,619          | 15              | 14             | 2,336   | 266                              | 1                     |
| Vermont                   | 28,908                       | 25,280           | 3,721                      | 3,767          | 20              | 28             | 3,674   | 557                              | 4                     |
| Massachusetts             | 28,431                       | 22,950           | 8,362                      | 8,930          | 124             | 121            | 1,909   | 520                              | 6                     |
| Rhode Island              | 4,408                        | 3,123            | 843                        | 940            | 41              | 20             | 277   | 54                               | 1                     |
| Connecticut               | 19,841                       | 14,955           | 6,861                      | 7,625          | 113             | 75             | 1,361   | 531                              | 7                     |
| <b>Middle Atlantic</b>    | <b>418,342</b>               | <b>378,701</b>   | <b>47,076</b>              | <b>48,910</b>  | <b>1,941</b>    | <b>1,536</b>   | <b>34,988</b>                                       | <b>2,541</b>                     | <b>86</b>             |
| New York                  | 187,629                      | 166,869          | 27,029                     | 25,776         | 939             | 550            | 18,344  | 2,246                            | 43                    |
| New Jersey                | 26,796                       | 22,556           | 6,216                      | 6,612          | 478             | 535            | 1,929   | 328                              | 26                    |
| Pennsylvania              | 204,917                      | 187,277          | 13,832                     | 14,522         | 546             | 451            | 16,653  | 977                              | 27                    |
| <b>East North Central</b> | <b>999,619</b>               | <b>935,492</b>   | <b>184,168</b>             | <b>144,775</b> | <b>5,717</b>    | <b>4,477</b>   | <b>108,222</b>                                      | <b>14,225</b>                    | <b>978</b>            |
| Ohio                      | 252,645                      | 241,075          | 17,450                     | 14,004         | 1,950           | 1,616          | 22,463  | 963                              | 100                   |
| Indiana                   | 204,951                      | 198,156          | 9,729                      | 6,398          | 805             | 572            | 20,405  | 821                              | 37                    |
| Illinois                  | 217,053                      | 214,177          | 33,394                     | 22,111         | 1,425           | 893            | 29,140  | 2,777                            | 58                    |
| Michigan                  | 147,790                      | 147,450          | 58,224                     | 48,264         | 946             | 733            | 14,710  | 4,274                            | 49                    |
| Wisconsin                 | 107,180                      | 134,634          | 69,366                     | 53,998         | 591             | 663            | 16,504  | 5,610                            | 34                    |
| <b>West North Central</b> | <b>880,642</b>               | <b>893,609</b>   | <b>269,442</b>             | <b>206,323</b> | <b>5,884</b>    | <b>4,919</b>   | <b>301,569</b>                                      | <b>68,872</b>                    | <b>1,512</b>          |
| Minnesota                 | 74,710                       | 110,966          | 81,134                     | 67,306         | 293             | 207            | 19,362  | 10,839                           | 20                    |
| Iowa                      | 167,856                      | 181,109          | 48,987                     | 32,221         | 201             | 109            | 28,405  | 5,061                            | 9                     |
| Missouri                  | 250,111                      | 251,835          | 14,467                     | 8,343          | 3,666           | 2,828          | 33,472  | 1,112                            | 190                   |
| North Dakota              | 35,750                       | 40,699           | 37,867                     | 36,248         | 743             | 543            | 19,394  | 16,634                           | 186                   |
| South Dakota              | 49,360                       | 52,700           | 25,476                     | 20,325         | 2,808           | 1,612          | 25,373  | 8,413                            | 850                   |
| Nebraska                  | 93,509                       | 99,441           | 35,707                     | 24,582         | 462             | 384            | 35,198  | 6,961                            | 67                    |
| Kansas                    | 150,346                      | 146,550          | 25,804                     | 17,180         | 1,691           | 1,238          | 40,384  | 4,852                            | 149                   |
| <b>South Atlantic</b>     | <b>748,878</b>               | <b>767,771</b>   | <b>7,141</b>               | <b>7,373</b>   | <b>355,982</b>  | <b>363,839</b> | <b>78,825</b>                                       | <b>728</b>                       | <b>16,225</b>         |
| Delaware                  | 7,504                        | 8,905            | 410                        | 393            | 922             | 872            | 861   | 28                               | 13                    |
| Maryland                  | 40,669                       | 40,180           | 1,882                      | 1,569          | 6,372           | 6,209          | 4,278   | 129                              | 352                   |
| District of Columbia      | 68                           | 153              | 37                         | 31             | 12              | 20             | 5   | (1)                              | (1)                   |
| Virginia                  | 134,155                      | 136,814          | 1,749                      | 1,582          | 48,114          | 47,786         | 16,085  | 213                              | 2,263                 |
| West Virginia             | 95,138                       | 86,633           | 839                        | 752            | 708             | 504            | 9,480   | 62                               | 128                   |
| North Carolina            | 187,627                      | 193,081          | 412                        | 392            | 65,656          | 76,290         | 16,538  | 46                               | 3,437                 |
| South Carolina            | 79,424                       | 83,542           | 212                        | 14             | 96,798          | 109,010        | 8,010   | 37                               | 4,040                 |
| Georgia                   | 168,083                      | 180,217          | 385                        | 628            | 122,599         | 130,187        | 18,297  | 73                               | 7,072                 |
| Florida                   | 44,090                       | 49,836           | 1,215                      | 2,215          | 14,121          | 12,954         | 5,272   | 137                              | 638                   |
| <b>East South Central</b> | <b>712,443</b>               | <b>740,869</b>   | <b>4,819</b>               | <b>3,508</b>   | <b>325,218</b>  | <b>307,252</b> | <b>60,456</b>                                       | <b>329</b>                       | <b>12,114</b>         |
| Kentucky                  | 245,496                      | 256,886          | 1,956                      | 1,112          | 1,790           | 12,628         | 21,088  | 98                               | 427                   |
| Tennessee                 | 206,821                      | 213,832          | 883                        | 760            | 68,408          | 38,182         | 17,920  | 67                               | 1,524                 |
| Alabama                   | 15,244                       | 159,865          | 1,244                      | 1,035          | 110,443         | 95,203         | 15,143  | 85                               | 4,348                 |
| Mississippi               | 108,966                      | 110,279          | 736                        | 603            | 164,737         | 161,219        | 12,304  | 79                               | 5,815                 |
| <b>West South Central</b> | <b>692,624</b>               | <b>784,301</b>   | <b>41,501</b>              | <b>39,937</b>  | <b>909,081</b>  | <b>231,650</b> | <b>156,100</b>                                      | <b>7,389</b>                     | <b>10,980</b>         |
| Arkansas                  | 148,625                      | 158,273          | 2,458                      | 2,049          | 63,503          | 72,282         | 14,606  | 226                              | 2,627                 |
| Louisiana                 | 63,246                       | 71,081           | 2,431                      | 2,323          | 54,879          | 62,059         | 7,664   | 173                              | 2,083                 |
| Oklahoma                  | 161,774                      | 197,422          | 7,748                      | 5,791          | 20,671          | 18,725         | 28,870  | 1,369                            | 1,713                 |
| Texas                     | 318,988                      | 327,475          | 28,864                     | 29,774         | 69,918          | 78,784         | 103,660   | 5,602                            | 4,456                 |
| <b>Mountain</b>           | <b>143,991</b>               | <b>197,678</b>   | <b>31,427</b>              | <b>40,994</b>  | <b>8,028</b>    | <b>5,447</b>   | <b>99,884</b>                                       | <b>17,066</b>                    | <b>997</b>            |
| Montana                   | 18,165                       | 41,077           | 6,823                      | 1,560          | 1,198           | 903            | 25,960  | 8,459                            | 652                   |
| Idaho                     | 24,604                       | 35,294           | 5,708                      | 6,314          | 405             | 508            | 7,167   | 1,161                            | 48                    |
| Wyoming                   | 9,019                        | 15,306           | 1,903                      | 2,275          | 65              | 109            | 10,084  | 1,692                            | 23                    |
| Colorado                  | 37,198                       | 49,846           | 8,498                      | 9,545          | 574             | 553            | 21,494  | 2,881                            | 87                    |
| New Mexico                | 42,088                       | 26,593           | 1,440                      | 1,370          | 2,148           | 1,875          | 22,862  | 1,443                            | 64                    |
| Arizona                   | 5,218                        | 8,262            | 806                        | 1,067          | 3,203           | 646            | 5,311   | 431                              | 60                    |
| Utah                      | 15,948                       | 21,276           | 5,452                      | 3,972          | 276             | 414            | 4,532   | 468                              | 51                    |
| Nevada                    | 1,664                        | 2,060            | 867                        | 884            | 161             | 219            | 1,844   | 501                              | 12                    |
| <b>Pacific</b>            | <b>132,513</b>               | <b>162,744</b>   | <b>58,548</b>              | <b>63,093</b>  | <b>4,830</b>    | <b>8,325</b>   | <b>43,789</b>                                       | <b>11,642</b>                    | <b>722</b>            |
| Washington                | 37,770                       | 45,265           | 17,297                     | 19,747         | 1,125           | 1,206          | 10,237  | 2,906                            | 101                   |
| Oregon                    | 35,819                       | 40,484           | 9,058                      | 9,149          | 627             | 573            | 11,432  | 2,010                            | 100                   |
| California                | 58,924                       | 76,995           | 26,193                     | 34,180         | 3,078           | 6,486          | 22,119  | 6,725                            | 521                   |

1 Less than 500.

Source. Bureau of the Census, Department of Commerce.

### No. 553.—NUMBER AND ACREAGE OF FARMS BY COLOR, NATIVITY, AND TENURE OF FARMER: UNITED STATES AND CERTAIN REGIONS AND DIVISIONS

[NOTE.—For total number of farms (all tenures combined) see Table 541; for number of farms, by color and nativity of farmer (all tenures combined), see Table 552. The "North" includes New England, Middle Atlantic, East and West North Central divisions; the "South," the three subdivisions listed below it.]

| Division and color and nativity | Number of farms operated by— |           |           |           | All land (thousands of acres) in farms operated by— |                           |               | Improved land (thousands of acres) in farms operated by— |                           |               |
|---------------------------------|------------------------------|-----------|-----------|-----------|---|---------------------------|---------------|--|---------------------------|---------------|
|                                 | Owners and managers          |           | Tenants   |           | All farmers, 1920                                   | Owners and managers, 1920 | Tenants, 1920 | All farmers, 1920  | Owners and managers, 1920 | Tenants, 1920 |
|                                 | 1910                         | 1920      | 1910      | 1920      |   |                           |               |  |                           |               |
| United States.....              | 4,006,826                    | 3,983,539 | 2,354,676 | 2,454,904 | 955,884   | 890,904                   | 264,980       | 503,073  | 327,315                   | 175,756       |
| Native white.....               | 3,212,671                    | 3,269,556 | 1,558,392 | 1,630,830 | 799,767   | 563,464                   | 216,304       | 411,266  | 271,155                   | 140,111       |
| Foreign-born white.....         | 551,390                      | 471,535   | 118,166   | 109,533   | 111,172   | 90,261                    | 20,911        | 62,508   | 47,883                    | 14,625        |
| Colored.....                    | 242,765                      | 235,448   | 678,118   | 714,441   | 44,945  | 17,180                    | 27,765        | 29,298   | 8,260                     | 21,019        |
| The North.....                  | 2,125,117                    | 1,984,158 | 765,501   | 779,218   | 432,272   | 300,661                   | 131,611       | 291,966  | 192,325                   | 99,641        |
| Native white.....               | 1,669,630                    | 1,622,968 | 670,792   | 701,062   | 356,314   | 239,750                   | 116,564       | 242,571  | 154,342                   | 68,189        |
| Foreign-born white.....         | 442,094                      | 351,804   | 90,026    | 74,369    | 74,051  | 59,371                    | 14,681        | 48,610   | 37,402                    | 11,208        |
| Colored.....                    | 13,203                       | 9,416     | 4,681     | 3,787     | 1,905   | 1,540                     | 366           | 785  | 541                       | 244           |
| The South.....                  | 1,560,795                    | 1,615,543 | 1,536,752 | 1,591,121 | 350,122   | 243,043                   | 107,079       | 157,080  | 93,040                    | 64,040        |
| Native white.....               | 1,304,650                    | 1,364,289 | 849,295   | 868,645   | 200,389   | 222,005                   | 78,376        | 125,653  | 83,210                    | 42,472        |
| Foreign-born white.....         | 36,478                       | 31,895    | 15,963    | 18,921    | 8,423   | 6,564                     | 1,629         | 3,654  | 2,433                     | 1,221         |
| Colored.....                    | 219,667                      | 219,359   | 670,474   | 703,555   | 41,318  | 14,444                    | 26,674        | 27,744   | 7,396                     | 20,347        |
| South Atlantic.....             | 601,452                      | 616,686   | 510,429   | 542,088   | 97,775  | 66,300                    | 31,575        | 48,510   | 29,490                    | 19,011        |
| Native white.....               | 492,496                      | 506,722   | 256,412   | 261,049   | 78,825  | 59,801                    | 18,934        | 36,743   | 26,404                    | 10,340        |
| Foreign-born white.....         | 6,305                        | 6,546     | 836       | 827       | 725   | 645                       | 80            | 313  | 280                       | 33            |
| Colored.....                    | 102,681                      | 103,620   | 253,181   | 280,212   | 18,225  | 5,654                     | 12,561        | 11,454   | 2,816                     | 8,638         |
| East South Central.....         | 513,742                      | 529,314   | 528,738   | 522,286   | 78,697  | 55,550                    | 23,347        | 44,380   | 28,415                    | 15,965        |
| Native white.....               | 450,793                      | 470,492   | 261,650   | 270,370   | 66,455  | 51,238                    | 15,217        | 35,961   | 26,234                    | 9,427         |
| Foreign-born white.....         | 3,963                        | 2,875     | 856       | 631       | 329   | 293                       | 36            | 177  | 153                       | 25            |
| Colored.....                    | 58,986                       | 55,947    | 264,232   | 251,265   | 12,114  | 4,019                     | 8,095         | 8,542  | 2,028                     | 6,513         |
| West South Central.....         | 445,601                      | 469,341   | 497,585   | 526,747   | 173,449   | 121,292                   | 52,157        | 64,190   | 35,125                    | 29,064        |
| Native white.....               | 361,391                      | 367,075   | 331,233   | 337,226   | 153,100   | 110,875                   | 44,224        | 53,378   | 30,572                    | 22,706        |
| Foreign-born white.....         | 26,210                       | 22,474    | 15,291    | 17,463    | 2,369   | 5,656                     | 1,714         | 3,164  | 2,001                     | 1,163         |
| Colored.....                    | 58,000                       | 59,792    | 151,061   | 172,058   | 10,980  | 4,761                     | 6,219         | 7,748  | 2,552                     | 5,196         |
| Mountain.....                   | 163,750                      | 206,631   | 19,690    | 37,478    | 117,337   | 103,802                   | 13,475        | 30,106   | 25,129                    | 4,977         |
| Native white.....               | 127,912                      | 166,840   | 16,079    | 30,838    | 99,294  | 87,492                    | 11,792        | 24,614   | 20,412                    | 4,202         |
| Foreign-born white.....         | 28,147                       | 35,402    | 3,280     | 5,582     | 17,056  | 15,488                    | 1,508         | 5,196  | 4,489                     | 707           |
| Colored.....                    | 7,697                        | 4,389     | 331       | 1,056     | 997   | 892                       | 116           | 295  | 228                       | 67            |
| Pacific.....                    | 157,158                      | 167,177   | 32,733    | 46,967    | 56,133  | 43,338                    | 12,815        | 23,922   | 10,825                    | 7,007         |
| Native white.....               | 110,299                      | 132,459   | 22,226    | 30,295    | 43,789  | 34,216                    | 9,572         | 18,399   | 13,153                    | 5,247         |
| Foreign-born white.....         | 44,671                       | 52,434    | 7,673     | 10,661    | 11,642  | 8,808                     | 2,834         | 5,048  | 3,550                     | 1,489         |
| Colored.....                    | 2,188                        | 2,284     | 2,632     | 6,041     | 722   | 313                       | 400           | 474  | 114                       | 300           |

### No. 554.—MORTGAGE STATUS OF FARMS OWNED BY OPERATOR

| Item  | 1890      | 1900      | 1910      | 1920       | 1925       |
|---|-----------|-----------|-----------|------------|------------|
| FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR                   |           |           |           |            |            |
| Total number.....   | 3,148,746 | 3,438,468 | 3,648,793 | 3,985,080  | 3,668,338  |
| Reported as free from mortgage.....                             | 2,229,806 | 2,419,180 | 2,583,596 | 2,074,325  | (1)        |
| Reported as mortgaged.....                                      | 874,215   | 1,093,164 | 1,312,404 | 1,461,300  | 1,385,026  |
| Operated by full owners.....                                    |           |           | 1,069,094 | 1,217,234  | 1,128,207  |
| Reporting amount of debt.....                                   |           |           | 1,006,511 | 1,190,047  | 1,128,207  |
| Not reporting amount of debt.....                               |           |           | 62,563    | 24,187     | (1)        |
| Operated by part owners.....                                    |           |           | 242,940   | 244,072    | 266,819    |
| Unknown (no report).....  | 89,725    | 126,069   | 48,092    | 389,499    | (1)        |
| Per cent of total:  |           |           |           |            |            |
| Free from mortgage.....   | 70.9      | 69.5      | 63.6      | 52.8       | (1)        |
| Mortgaged.....  | 27.8      | 30.0      | 33.2      | 37.2       | 36.1       |
| Unknown (no report).....  | 1.3       | 3.5       | 1.2       | 9.9        | (1)        |
| FARMS OWNED WHOLLY BY THE OPERATOR AND REPORTING AMOUNT OF DEBT |           |           |           |            |            |
| Farms reporting amount of debt..... thousands.....              | 1,887     |           | 1,007     | 1,193      | 1,128      |
| Value of farms (land and bldgs.)..... 1,000 dollars.....        | 3,064,923 |           | 6,330,237 | 13,775,500 | 10,790,244 |
| Amount of mortgage debt..... do.....                            | 1,085,996 |           | 1,726,173 | 4,003,767  | 4,517,289  |
| Ratio of debt to value.....                                     | 35.5      |           | 27.3      | 29.1       | 41.9       |
| Average per farm.....   |           |           |           |            |            |
| Value of land and buildings.....                                | \$3,444   |           | \$6,299   | \$11,546   | \$9,564    |
| Amount of debt.....   | 1,294     |           | 1,715     | 3,356      | 4,004      |
| Owner's equity.....   | 2,220     |           | 4,574     | 8,191      | (1)        |

<sup>1</sup> Not available.

<sup>2</sup> Estimated total number of farms mortgaged.

Source: Bureau of the Census, Department of Commerce.



### TABLE 555.—MORTGAGE STATUS OF FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR

[Note.—In 1910 and 1920 the number of all owned farms includes farms with mortgage status not reported, which constituted only 1.2 per cent in 1910 and 9.9 per cent in 1920. The 1925 schedule only called for amount of mortgage, therefore the percentage for 1925 is not available.]

| Division and State              | All owned farms (number) |           |           | Free from mortgage (number) |           | Mortgaged (number) |           |           |
|---------------------------------|--------------------------|-----------|-----------|-----------------------------|-----------|--------------------|-----------|-----------|
|                                 | 1910                     | 1920      | 1925      | 1910                        | 1920      | 1910               | 1920      | 1925      |
| <b>United States</b> .....      | 3,948,728                | 3,925,000 | 3,898,322 | 2,568,608                   | 2,574,329 | 1,312,084          | 1,461,308 | 1,394,086 |
| <b>New England</b> .....        | 188,408                  | 140,180   | 148,180   | 108,988                     | 80,418    | 58,474             | 58,138    | 69,964    |
| Maine.....                      | 56,454                   | 43,437    | 47,984    | 41,309                      | 30,665    | 14,948             | 12,039    | 11,925    |
| New Hampshire.....              | 24,408                   | 18,604    | 19,805    | 18,119                      | 11,992    | 6,294              | 5,399     | 4,714     |
| Vermont.....                    | 28,066                   | 25,121    | 24,889    | 14,851                      | 12,132    | 13,140             | 12,335    | 10,889    |
| Massachusetts.....              | 32,076                   | 28,087    | 30,870    | 18,768                      | 14,065    | 13,014             | 13,622    | 12,246    |
| Rhode Island.....               | 4,087                    | 3,245     | 3,263     | 2,811                       | 1,971     | 1,180              | 949       | 945       |
| Connecticut.....                | 23,234                   | 19,666    | 21,268    | 13,080                      | 9,597     | 9,968              | 8,920     | 9,179     |
| <b>Middle Atlantic</b> .....    | 366,086                  | 307,104   | 348,179   | 217,697                     | 179,899   | 194,806            | 126,118   | 168,280   |
| New York.....                   | 166,674                  | 151,717   | 159,949   | 98,118                      | 78,628    | 72,211             | 66,623    | 61,906    |
| New Jersey.....                 | 24,138                   | 21,889    | 24,535    | 11,983                      | 10,000    | 11,793             | 10,084    | 10,118    |
| Pennsylvania.....               | 164,229                  | 133,498   | 163,695   | 112,156                     | 93,804    | 80,802             | 49,405    | 96,257    |
| <b>East North Central</b> ..... | 609,044                  | 708,788   | 771,878   | 473,622                     | 598,771   | 327,468            | 398,318   | 364,046   |
| Ohio.....                       | 192,194                  | 177,986   | 181,347   | 136,618                     | 110,004   | 54,997             | 60,794    | 47,800    |
| Indiana.....                    | 148,501                  | 137,210   | 137,429   | 99,647                      | 78,233    | 48,914             | 51,474    | 48,980    |
| Illinois.....                   | 145,107                  | 132,574   | 129,074   | 86,713                      | 68,892    | 58,792             | 51,039    | 45,614    |
| Michigan.....                   | 172,310                  | 159,606   | 161,974   | 88,706                      | 72,869    | 62,681             | 78,758    | 70,833    |
| Wisconsin.....                  | 151,022                  | 159,610   | 162,062   | 72,941                      | 57,778    | 77,139             | 94,268    | 90,619    |
| <b>West North Central</b> ..... | 756,948                  | 711,168   | 685,797   | 404,556                     | 378,908   | 348,182            | 348,188   | 360,891   |
| Minnesota.....                  | 122,104                  | 122,744   | 126,282   | 65,088                      | 54,086    | 56,145             | 69,645    | 66,319    |
| Iowa.....                       | 133,008                  | 121,886   | 116,444   | 63,234                      | 45,897    | 68,045             | 66,096    | 64,781    |
| Missouri.....                   | 192,285                  | 185,030   | 174,383   | 102,514                     | 82,090    | 88,486             | 86,536    | 76,970    |
| North Dakota.....               | 63,212                   | 66,917    | 49,513    | 30,651                      | 12,633    | 31,727             | 40,402    | 31,008    |
| South Dakota.....               | 57,984                   | 47,815    | 46,180    | 36,101                      | 18,087    | 21,691             | 27,262    | 28,613    |
| Nebraska.....                   | 79,250                   | 69,672    | 67,766    | 47,435                      | 27,065    | 30,839             | 36,191    | 38,379    |
| Kansas.....                     | 111,108                  | 97,060    | 96,149    | 60,582                      | 40,979    | 49,249             | 44,004    | 44,227    |
| <b>South Atlantic</b> .....     | 593,154                  | 607,069   | 609,304   | 474,743                     | 468,904   | 110,196            | 118,064   | 196,826   |
| Delaware.....                   | 6,178                    | 6,010     | 6,516     | 3,817                       | 3,504     | 2,264              | 2,018     | 1,746     |
| Maryland.....                   | 33,519                   | 32,805    | 35,138    | 21,084                      | 19,292    | 12,127             | 11,399    | 10,513    |
| Dist. of Columbia.....          | 118                      | 100       | 81        | 93                          | 51        | 21                 | 29        | 19        |
| Virginia.....                   | 133,664                  | 136,303   | 143,587   | 111,474                     | 96,470    | 21,182             | 24,231    | 27,076    |
| West Virginia.....              | 75,978                   | 72,101    | 74,943    | 66,093                      | 52,617    | 9,525              | 10,274    | 9,104     |
| North Carolina.....             | 145,320                  | 151,376   | 154,806   | 117,028                     | 102,950   | 28,642             | 24,499    | 29,918    |
| South Carolina.....             | 64,350                   | 67,724    | 59,969    | 47,535                      | 42,847    | 16,920             | 14,399    | 15,521    |
| Georgia.....                    | 98,628                   | 102,123   | 88,080    | 78,004                      | 64,061    | 18,257             | 23,136    | 24,063    |
| Florida.....                    | 35,399                   | 38,487    | 45,686    | 29,614                      | 26,010    | 5,100              | 6,102     | 8,857     |
| <b>East South Central</b> ..... | 510,462                  | 595,808   | 497,935   | 338,637                     | 339,319   | 114,196            | 194,722   | 119,931   |
| Kentucky.....                   | 170,332                  | 179,327   | 176,442   | 135,506                     | 116,613   | 33,039             | 40,616    | 34,688    |
| Tennessee.....                  | 144,125                  | 148,062   | 148,627   | 118,285                     | 106,128   | 24,000             | 32,264    | 30,708    |
| Alabama.....                    | 103,929                  | 107,089   | 92,948    | 74,504                      | 64,498    | 27,457             | 27,854    | 27,790    |
| Mississippi.....                | 92,066                   | 91,310    | 80,808    | 60,543                      | 53,073    | 29,693             | 23,990    | 26,750    |
| <b>West South Central</b> ..... | 440,906                  | 464,328   | 412,084   | 399,308                     | 236,939   | 132,259            | 189,798   | 147,213   |
| Arkansas.....                   | 106,649                  | 112,647   | 96,478    | 82,321                      | 64,881    | 22,374             | 23,990    | 31,419    |
| Louisiana.....                  | 52,980                   | 57,254    | 52,386    | 42,011                      | 36,010    | 9,834              | 11,763    | 14,424    |
| Oklahoma.....                   | 85,404                   | 93,217    | 81,226    | 46,869                      | 30,551    | 36,036             | 47,025    | 36,263    |
| Texas.....                      | 196,863                  | 201,210   | 182,976   | 128,082                     | 105,490   | 64,006             | 69,940    | 62,106    |
| <b>Mountain</b> .....           | 180,844                  | 202,513   | 179,196   | 128,940                     | 88,781    | 33,080             | 97,038    | 64,899    |
| Montana.....                    | 23,365                   | 50,271    | 36,281    | 18,014                      | 14,865    | 4,820              | 24,897    | 19,818    |
| Idaho.....                      | 27,178                   | 34,647    | 30,196    | 17,933                      | 11,872    | 9,010              | 20,060    | 16,809    |
| Wyoming.....                    | 8,779                    | 13,403    | 12,545    | 7,815                       | 6,816     | 1,923              | 5,513     | 6,028     |
| Colorado.....                   | 36,903                   | 45,291    | 39,517    | 26,822                      | 20,968    | 9,636              | 21,191    | 20,907    |
| New Mexico.....                 | 33,398                   | 25,766    | 26,006    | 31,382                      | 16,650    | 1,775              | 6,257     | 6,897     |
| Arizona.....                    | 8,203                    | 7,809     | 8,179     | 7,036                       | 3,708     | 1,043              | 3,380     | 3,276     |
| Utah.....                       | 19,762                   | 22,579    | 23,013    | 15,131                      | 10,758    | 4,492              | 9,914     | 10,199    |
| Nevada.....                     | 2,176                    | 2,990     | 3,463     | 1,806                       | 1,599     | 361                | 884       | 1,164     |
| <b>Pacific</b> .....            | 151,653                  | 180,144   | 215,930   | 95,902                      | 79,131    | 58,407             | 85,956    | 96,394    |
| Washington.....                 | 47,505                   | 52,701    | 60,389    | 30,979                      | 25,012    | 16,026             | 24,004    | 27,604    |
| Oregon.....                     | 37,796                   | 39,863    | 45,887    | 24,855                      | 19,077    | 12,632             | 17,843    | 20,999    |
| California.....                 | 66,352                   | 87,580    | 109,654   | 39,368                      | 36,042    | 29,749             | 44,109    | 50,891    |

Source: Bureau of the Census, Department of Commerce.

## No. 556.—MORTGAGE DEBT OF FARMS OWNED BY THE OPERATOR

(NOTE.—This table does not include farms operated by managers or tenants, or consisting in part of rented land)

| Division and State | Farms operated by full owners reporting amount of mortgage debt |           |           |   |            |            |  |           |           |
|--------------------|---|-----------|-----------|---|------------|------------|--|-----------|-----------|
|                    | Number of farms   |           |           | Value of land and buildings<br>(thousands of dollars) |            |            | Amount of debt (thou-<br>sands of dollars) |           |           |
|                    | 1916  | 1920      | 1925      | 1916  | 1920       | 1925       | 1916                                       | 1920      | 1925      |
| United States      | 1,606,311   | 1,193,647 | 1,122,807 | 4,230,237   | 12,775,500 | 10,790,944 | 1,728,173                                  | 4,008,767 | 4,517,959 |
| New England        | 53,791  | 49,456    | 47,617    | 168,839   | 271,163    | 273,789    | 58,536                                     | 91,756    | 109,361   |
| Maine              | 13,994  | 12,345    | 11,632    | 39,774  | 58,427     | 59,644     | 11,739                                     | 18,502    | 24,619    |
| New Hampshire      | 5,668   | 4,961     | 4,591     | 15,457  | 20,274     | 18,264     | 4,774                                      | 6,821     | 7,399     |
| Vermont            | 12,138  | 11,504    | 10,431    | 36,859  | 61,071     | 51,883     | 12,436                                     | 23,576    | 24,057    |
| Massachusetts      | 12,030  | 11,663    | 11,060    | 49,742  | 70,745     | 76,362     | 16,371                                     | 23,412    | 26,402    |
| Rhode Island       | 1,001   | 856       | 869       | 4,068   | 4,865      | 5,185      | 1,356                                      | 1,494     | 1,971     |
| Connecticut        | 9,062   | 8,137     | 8,834     | 37,906  | 55,781     | 61,431     | 11,859                                     | 17,861    | 23,102    |
| Middle Atlantic    | 118,339   | 113,441   | 104,317   | 516,335   | 711,888    | 694,005    | 178,336                                    | 258,397   | 298,334   |
| New York           | 62,555  | 59,735    | 57,245    | 284,659   | 388,114    | 397,899    | 97,310                                     | 145,533   | 165,622   |
| New Jersey         | 10,666  | 9,296     | 9,824     | 55,507  | 67,176     | 81,964     | 19,477                                     | 25,123    | 31,998    |
| Pennsylvania       | 44,999  | 44,410    | 37,248    | 176,168   | 256,577    | 216,152    | 61,539                                     | 87,741    | 98,816    |
| East N. Central    | 237,684   | 274,347   | 255,946   | 1,605,965   | 2,959,226  | 2,299,825  | 459,887                                    | 922,386   | 1,011,948 |
| Ohio               | 42,785  | 43,069    | 41,110    | 220,750   | 387,188    | 307,623    | 63,788                                     | 121,121   | 134,738   |
| Indiana            | 40,108  | 40,416    | 38,734    | 251,961   | 439,153    | 300,320    | 57,487                                     | 105,256   | 119,621   |
| Illinois           | 36,938  | 36,663    | 31,354    | 454,857   | 775,395    | 535,833    | 115,800                                    | 197,212   | 218,544   |
| Michigan           | 68,655  | 67,119    | 60,707    | 250,874   | 420,108    | 351,799    | 75,997                                     | 144,103   | 149,683   |
| Wisconsin          | 69,398  | 87,061    | 83,341    | 427,522   | 937,385    | 795,252    | 146,815                                    | 354,574   | 389,356   |
| West N. Central    | 336,975   | 368,381   | 339,451   | 2,361,541   | 3,414,833  | 2,680,085  | 606,481                                    | 1,437,337 | 1,643,194 |
| Minnesota          | 41,755  | 57,565    | 52,184    | 295,016   | 925,963    | 612,428    | 77,866                                     | 254,475   | 267,027   |
| Iowa               | 50,452  | 52,341    | 49,744    | 735,265   | 1,814,260  | 1,272,036  | 204,243                                    | 489,817   | 625,639   |
| Missouri           | 64,028  | 68,784    | 59,494    | 389,476   | 752,008    | 493,793    | 112,565                                    | 216,463   | 220,265   |
| North Dakota       | 19,187  | 22,623    | 15,597    | 713,643   | 380,133    | 200,549    | 47,842                                     | 108,285   | 82,411    |
| South Dakota       | 11,313  | 14,039    | 13,511    | 154,749   | 411,837    | 234,807    | 32,771                                     | 99,875    | 100,306   |
| Nebraska           | 19,778  | 23,986    | 23,631    | 286,309   | 705,561    | 512,906    | 62,373                                     | 168,508   | 216,256   |
| Kansas             | 30,442  | 26,923    | 25,270    | 287,082   | 424,469    | 333,506    | 70,820                                     | 109,914   | 130,231   |
| South Atlantic     | 96,523  | 103,689   | 113,567   | 270,317   | 662,512    | 670,908    | 73,697                                     | 192,669   | 249,236   |
| Delaware           | 2,021   | 1,903     | 1,723     | 8,802   | 11,422     | 9,874      | 3,099                                      | 4,460     | 4,326     |
| Maryland           | 10,754  | 10,407    | 10,118    | 44,399  | 75,062     | 69,717     | 15,674                                     | 27,481    | 29,575    |
| Dist. Columbia     | 20  | 24        | 16        | 233   | 238        | 222        | 56   | 92        | 77        |
| Virginia           | 17,410  | 21,155    | 24,269    | 62,377  | 151,585    | 159,308    | 15,440                                     | 41,726    | 55,890    |
| West Virginia      | 7,878   | 9,031     | 8,409     | 21,549  | 43,989     | 38,523     | 5,603                                      | 11,206    | 13,828    |
| North Carolina     | 19,232  | 20,149    | 24,083    | 42,952  | 103,282    | 119,966    | 9,958                                      | 31,068    | 42,621    |
| South Carolina     | 11,189  | 12,265    | 13,660    | 39,594  | 92,063     | 80,251     | 10,109                                     | 25,183    | 32,564    |
| Georgia            | 13,639  | 20,797    | 22,024    | 37,526  | 124,679    | 122,228    | 10,968                                     | 37,671    | 51,076    |
| Florida            | 4,169   | 7,308     | 8,356     | 12,884  | 50,581     | 70,877     | 2,710                                      | 12,910    | 18,279    |
| East S. Central    | 85,283  | 106,619   | 103,783   | 308,126   | 570,696    | 489,813    | 59,770                                     | 176,108   | 202,449   |
| Kentucky           | 25,846  | 35,531    | 29,782    | 81,315  | 230,557    | 150,923    | 23,411                                     | 67,116    | 65,408    |
| Tennessee          | 17,362  | 27,496    | 25,770    | 47,232  | 159,001    | 131,288    | 12,629                                     | 49,626    | 52,890    |
| Alabama            | 19,230  | 24,748    | 23,650    | 32,311  | 81,889     | 79,541     | 10,351                                     | 29,103    | 33,328    |
| Mississippi        | 22,844  | 21,844    | 24,571    | 42,266  | 99,149     | 121,061    | 13,381                                     | 30,046    | 46,829    |
| West S. Central    | 94,687  | 131,560   | 117,583   | 464,015   | 1,134,648  | 924,783    | 121,366                                    | 304,632   | 346,428   |
| Arkansas           | 16,553  | 29,504    | 26,499    | 35,035  | 129,348    | 115,471    | 8,941                                      | 38,539    | 46,283    |
| Louisiana          | 7,520   | 10,301    | 12,968    | 26,772  | 68,362     | 70,564     | 8,960                                      | 20,491    | 30,270    |
| Oklahoma           | 24,586  | 34,045    | 27,368    | 122,327   | 272,616    | 184,013    | 27,385                                     | 73,434    | 73,079    |
| Texas              | 46,024  | 57,700    | 50,710    | 297,881   | 664,523    | 554,735    | 76,069                                     | 172,167   | 196,790   |
| Mountain           | 94,791  | 74,118    | 56,368    | 247,964   | 927,908    | 543,923    | 59,364                                     | 283,494   | 234,789   |
| Montana            | 3,990   | 21,244    | 11,754    | 44,615  | 240,550    | 93,174     | 10,741                                     | 77,950    | 42,565    |
| Idaho              | 7,594   | 17,142    | 12,987    | 64,376  | 223,649    | 121,917    | 14,567                                     | 69,868    | 54,912    |
| Wyoming            | 1,531   | 3,997     | 3,653     | 16,675  | 55,610     | 33,654     | 4,208                                      | 15,303    | 14,865    |
| Colorado           | 7,571   | 15,735    | 14,444    | 77,323  | 211,701    | 144,066    | 16,986                                     | 62,623    | 61,408    |
| New Mexico         | 1,397   | 4,331     | 4,828     | 10,683  | 43,065     | 31,215     | 2,590                                      | 11,178    | 11,579    |
| Arizona            | 813   | 2,676     | 2,628     | 8,695   | 50,453     | 36,320     | 2,253                                      | 15,648    | 13,321    |
| Utah               | 2,526   | 8,086     | 7,906     | 21,320  | 84,578     | 59,172     | 4,564                                      | 24,335    | 28,164    |
| Nevada             | 309   | 767       | 1,068     | 4,297   | 18,281     | 22,296     | 1,464                                      | 6,519     | 10,084    |
| Pacific            | 44,419  | 71,186    | 87,158    | 457,119   | 1,122,848  | 1,948,296  | 106,847                                    | 337,194   | 435,493   |
| Washington         | 12,715  | 19,508    | 23,412    | 113,396   | 202,018    | 192,425    | 25,645                                     | 61,121    | 74,212    |
| Oregon             | 10,274  | 14,255    | 17,283    | 93,525  | 166,663    | 174,196    | 27,166                                     | 51,999    | 65,592    |
| California         | 21,430  | 37,338    | 46,361    | 250,198   | 764,166    | 874,675    | 60,087                                     | 224,064   | 295,689   |

Source: Bureau of the Census, Department of Commerce.

## FARM EXPENDITURES

## No. 557.—FARM EXPENDITURES FOR LABOR.

| Division and State | Labor           |           |                          |      |  |         | Fertilizer      |           |
|--------------------|-----------------|-----------|--------------------------|------|--|---------|-----------------|-----------|
|                    | Farms reporting |           |                          |      | Cash expended<br>(thousands of<br>dollars) |         | Farms reporting |           |
|                    | Number          |           | Per cent of<br>all farms |      |  |         | Number          |           |
|                    | 1919            | 1924      | 1919                     | 1924 | 1919                                       | 1924    | 1919            | 1924      |
| United States      | 2,888,899       | 2,494,791 | 44.8                     | 58.8 | 1,006,713                                  | 664,883 | 2,271,179       | 2,194,086 |
| New England        | 99,031          | 77,313    | 57.5                     | 48.5 | 43,987                                     | 41,845  | 77,965          | 74,989    |
| Maine              | 26,735          | 23,641    | 55.4                     | 47.3 | 7,506                                      | 6,800   | 22,641          | 25,437    |
| New Hampshire      | 11,365          | 9,292     | 55.4                     | 44.1 | 3,665                                      | 3,015   | 8,799           | 6,953     |
| Vermont            | 18,171          | 14,822    | 62.5                     | 53.3 | 5,789                                      | 4,560   | 14,568          | 13,006    |
| Massachusetts      | 18,322          | 15,788    | 57.3                     | 47.2 | 13,929                                     | 14,375  | 16,962          | 16,146    |
| Rhode Island       | 2,296           | 2,159     | 56.3                     | 55.2 | 1,730                                      | 1,894   | 2,297           | 2,184     |
| Connecticut        | 18,142          | 11,611    | 58.0                     | 50.0 | 11,067                                     | 10,602  | 12,658          | 11,533    |
| Middle Atlantic    | 290,980         | 214,379   | 61.4                     | 51.3 | 95,198                                     | 80,797  | 280,643         | 260,649   |
| New York           | 121,256         | 101,091   | 62.8                     | 53.6 | 49,346                                     | 42,236  | 113,578         | 102,403   |
| New Jersey         | 18,588          | 15,478    | 62.6                     | 52.2 | 14,359                                     | 14,186  | 22,774          | 20,191    |
| Pennsylvania       | 121,116         | 98,310    | 59.9                     | 49.0 | 31,494                                     | 24,376  | 144,231         | 128,055   |
| East North Central | 692,822         | 479,301   | 53.7                     | 44.8 | 182,314                                    | 136,504 | 580,314         | 315,638   |
| Ohio               | 124,806         | 92,190    | 48.6                     | 37.7 | 36,339                                     | 22,026  | 165,556         | 137,207   |
| Indiana            | 93,207          | 66,430    | 45.4                     | 33.9 | 25,809                                     | 14,648  | 98,703          | 76,950    |
| Illinois           | 151,300         | 124,543   | 63.6                     | 55.2 | 60,909                                     | 43,146  | 22,468          | 21,559    |
| Michigan           | 102,431         | 85,213    | 52.1                     | 44.3 | 24,876                                     | 19,847  | 65,782          | 61,874    |
| Wisconsin          | 110,878         | 102,925   | 58.6                     | 53.6 | 34,582                                     | 26,837  | 7,785           | 18,049    |
| West North Central | 579,998         | 608,118   | 61.4                     | 54.7 | 186,964                                    | 186,964 | 60,912          | 44,007    |
| Minnesota          | 111,697         | 104,924   | 62.6                     | 55.7 | 36,451                                     | 27,463  | 3,031           | 4,989     |
| Iowa               | 136,682         | 119,753   | 64.0                     | 58.1 | 52,942                                     | 35,529  | 3,177           | 5,382     |
| Missouri           | 25,248          | 94,715    | 47.6                     | 36.4 | 33,037                                     | 16,632  | 47,383          | 27,924    |
| North Dakota       | 51,109          | 62,050    | 65.8                     | 81.7 | 27,786                                     | 33,503  | 488             | 341       |
| South Dakota       | 49,658          | 49,540    | 60.5                     | 62.3 | 24,422                                     | 15,492  | 175             | 309       |
| Nebraska           | 80,608          | 74,950    | 64.9                     | 58.7 | 34,664                                     | 22,560  | 470             | 815       |
| Kansas             | 17,908          | 102,180   | 71.3                     | 61.6 | 54,761                                     | 33,785  | 6,183           | 3,247     |
| South Atlantic     | 376,580         | 331,598   | 32.5                     | 27.7 | 88,226                                     | 73,336  | 935,634         | 948,988   |
| Delaware           | 5,364           | 4,426     | 53.2                     | 43.2 | 2,052                                      | 1,709   | 9,107           | 7,836     |
| Maryland           | 29,123          | 24,665    | 60.8                     | 50.3 | 12,915                                     | 9,834   | 39,270          | 35,595    |
| Dist. of Columbia  | 112             | 78        | 54.9                     | 56.1 | 140  | 322     | 116             | 89        |
| Virginia           | 66,500          | 60,427    | 35.7                     | 31.2 | 7,003                                      | 15,237  | 135,218         | 126,373   |
| West Virginia      | 31,328          | 24,300    | 35.9                     | 26.9 | 4,787                                      | 3,781   | 34,309          | 28,945    |
| North Carolina     | 78,394          | 69,561    | 29.1                     | 24.5 | 10,818                                     | 8,096   | 228,767         | 238,319   |
| South Carolina     | 62,095          | 39,531    | 32.2                     | 22.9 | 13,698                                     | 8,159   | 176,537         | 155,650   |
| Georgia            | 83,444          | 60,345    | 26.9                     | 24.2 | 16,705                                     | 1,926   | 290,385         | 212,214   |
| Florida            | 20,190          | 23,275    | 37.4                     | 39.3 | 10,118                                     | 14,232  | 28,925          | 37,945    |
| East South Central | 247,908         | 193,282   | 23.6                     | 19.2 | 57,855                                     | 38,046  | 418,317         | 446,612   |
| Kentucky           | 76,953          | 54,870    | 28.4                     | 21.2 | 15,292                                     | 8,881   | 60,687          | 71,874    |
| Tennessee          | 70,494          | 56,141    | 27.9                     | 22.3 | 9,647                                      | 7,097   | 64,827          | 66,082    |
| Alabama            | 57,308          | 52,892    | 22.4                     | 22.3 | 6,589                                      | 5,503   | 175,407         | 184,079   |
| Mississippi        | 43,151          | 29,159    | 15.9                     | 11.3 | 6,327                                      | 4,535   | 71,296          | 104,578   |
| West South Central | 389,894         | 386,280   | 39.2                     | 38.0 | 147,417                                    | 119,703 | 106,804         | 178,496   |
| Arkansas           | 66,720          | 62,223    | 28.7                     | 28.0 | 12,008                                     | 9,078   | 41,338          | 56,828    |
| Louisiana          | 80,166          | 27,196    | 22.3                     | 20.5 | 19,700                                     | 11,856  | 37,652          | 54,412    |
| Oklahoma           | 102,174         | 94,978    | 53.5                     | 48.2 | 35,333                                     | 26,238  | 2,445           | 2,235     |
| Texas              | 240,834         | 201,888   | 43.7                     | 43.4 | 80,376                                     | 71,033  | 27,459          | 65,021    |
| Mountain           | 123,480         | 126,868   | 51.4                     | 55.2 | 84,982                                     | 69,350  | 4,998           | 4,077     |
| Montana            | 24,378          | 30,408    | 42.3                     | 64.8 | 5,693                                      | 15,136  | 453             | 132       |
| Idaho              | 24,789          | 22,811    | 58.9                     | 56.2 | 4,734                                      | 9,294   | 575             | 633       |
| Wyoming            | 1,961           | 7,012     | 44.2                     | 45.2 | 6,717                                      | 5,733   | 55              | 45        |
| Colorado           | 35,149          | 33,749    | 58.6                     | 58.2 | 25,147                                     | 16,854  | 1,194           | 1,182     |
| New Mexico         | 1,538           | 11,823    | 38.7                     | 37.3 | 5,290                                      | 4,934   | 1,458           | 1,127     |
| Arizona            | 5,639           | 5,820     | 56.7                     | 53.9 | 7,664                                      | 7,287   | 126             | 252       |
| Utah               | 17,063          | 14,917    | 58.6                     | 57.4 | 7,472                                      | 5,145   | 1,017           | 634       |
| Nevada             | 964             | 2,328     | 65.6                     | 60.0 | 4,296                                      | 3,966   | 58              | 22        |
| Pacific            | 142,428         | 149,108   | 60.8                     | 56.1 | 155,480                                    | 142,064 | 25,733          | 27,220    |
| Washington         | 68,037          | 66,156    | 57.4                     | 49.3 | 28,330                                     | 21,727  | 3,645           | 4,991     |
| Oregon             | 27,974          | 28,117    | 57.7                     | 50.3 | 17,162                                     | 14,991  | 5,614           | 5,883     |
| California         | 76,414          | 84,836    | 64.9                     | 62.2 | 106,928                                    | 105,346 | 16,474          | 16,546    |

Source: Bureau of the Census, Department of Commerce.

## FERTILIZER, AND FEED, 1919 AND 1924, BY STATES

| Fertilizer—Continued      |      |                                      |         | Feed            |           |                       |      |                                      |         | Division and State  |
|---------------------------|------|--------------------------------------|---------|-----------------|-----------|-----------------------|------|--------------------------------------|---------|---------------------|
| Farms reporting—Continued |      | Cash expended (thousands of dollars) |         | Farms reporting |           |                       |      | Cash expended (thousands of dollars) |         |                     |
| Per cent of all farms     |      |                                      |         | Number          |           | Per cent of all farms |      |                                      |         |                     |
| 1919                      | 1924 | 1919                                 | 1924    | 1919            | 1924      | 1919                  | 1924 | 1919                                 | 1924    |                     |
| 35.9                      | 34.3 | 395,400                              | 530,533 | 3,511,191       | 3,196,789 | 54.4                  | 50.1 | 1,097,225                            | 750,445 | United States.      |
| 42.8                      | 46.8 | 15,323                               | 16,336  | 134,450         | 150,980   | 85.9                  | 81.1 | 99,539                               |         | New England.        |
| 46.9                      | 50.8 | 7,759                                | 7,006   | 39,794          | 37,257    | 82.5                  | 74.5 | 14,859                               | 11,908  | Maine.              |
| 42.9                      | 33.1 | 526                                  | 441     | 18,015          | 17,228    | 87.6                  | 81.8 | 8,726                                | 7,467   | New Hampshire.      |
| 50.1                      | 46.8 | 857                                  | 794     | 25,389          | 23,287    | 87.3                  | 83.8 | 11,071                               | 10,034  | Vermont.            |
| 53.1                      | 45.3 | 3,907                                | 3,336   | 27,853          | 28,853    | 87.0                  | 86.2 | 20,273                               | 19,775  | Massachusetts.      |
| 56.3                      | 55.8 | 390                                  | 301     | 3,608           | 3,633     | 88.4                  | 92.9 | 2,889                                | 3,046   | Rhode Island.       |
| 55.9                      | 49.6 | 4,894                                | 4,369   | 19,791          | 20,710    | 87.4                  | 89.1 | 11,721                               | 12,590  | Connecticut.        |
| 68.0                      | 69.8 | 41,438                               | 31,833  | 340,060         | 330,363   | 90.0                  | 76.5 | 149,363                              | 123,165 | Middle Atlantic.    |
| 58.8                      | 54.3 | 15,067                               | 11,807  | 158,428         | 145,614   | 82.0                  | 77.1 | 82,966                               | 62,075  | New York.           |
| 76.7                      | 68.0 | 10,743                               | 8,597   | 24,933          | 24,906    | 83.9                  | 83.9 | 14,719                               | 16,469  | New Jersey.         |
| 71.3                      | 63.9 | 15,628                               | 11,189  | 156,719         | 149,842   | 77.5                  | 74.8 | 51,678                               | 43,621  | Pennsylvania.       |
| 33.3                      | 30.0 | 30,589                               | 22,140  | 683,476         | 605,911   | 63.0                  | 57.8 | 197,070                              | 119,635 | East North Central. |
| 64.5                      | 56.1 | 13,206                               | 9,082   | 161,658         | 142,395   | 61.0                  | 56.2 | 40,378                               | 29,087  | Ohio.               |
| 48.1                      | 39.3 | 8,735                                | 5,712   | 130,073         | 102,795   | 63.4                  | 52.5 | 42,306                               | 19,066  | Indiana.            |
| 9.5                       | 9.6  | 2,906                                | 2,238   | 158,180         | 128,484   | 66.7                  | 57.0 | 64,528                               | 31,871  | Illinois.           |
| 33.5                      | 32.2 | 4,873                                | 3,971   | 111,191         | 95,302    | 56.6                  | 49.6 | 21,939                               | 14,600  | Michigan.           |
| 4.1                       | 9.3  | 780                                  | 1,137   | 122,372         | 136,935   | 64.6                  | 70.9 | 27,919                               | 27,002  | Wisconsin.          |
| 5.8                       | 4.0  | 1,108                                | 3,093   | 893,629         | 600,946   | 63.2                  | 54.1 | 307,163                              | 173,731 | West North Central. |
| 1.7                       | 2.7  | 433                                  | 454     | 100,530         | 95,044    | 56.3                  | 50.5 | 22,941                               | 14,639  | Minnesota.          |
| 1.5                       | 3.0  | 597                                  | 538     | 147,605         | 134,282   | 60.2                  | 62.9 | 79,069                               | 49,281  | Iowa.               |
| 18.0                      | 10.7 | 3,941                                | 1,498   | 164,639         | 144,742   | 62.6                  | 55.6 | 60,172                               | 33,841  | Missouri.           |
| 6                         | .4   |                                      | 76      | 41,967          | 26,260    | 54.0                  | 34.6 | 12,165                               | 3,845   | North Dakota.       |
| 2                         | .4   | 34                                   | 52      | 37,966          | 30,411    | 50.9                  | 38.2 | 16,689                               | 8,737   | South Dakota.       |
| 4                         | .6   | 65                                   | 133     | 83,374          | 71,092    | 67.0                  | 55.7 | 58,624                               | 34,309  | Nebraska.           |
| 3.7                       | 2.0  | 979                                  | 342     | 117,548         | 99,135    | 71.1                  | 59.8 | 57,515                               | 29,078  | Kansas.             |
| 80.8                      | 76.1 | 185,700                              | 110,473 | 480,494         | 402,747   | 41.5                  | 38.3 | 60,505                               | 49,770  | South Atlantic.     |
| 89.8                      | 76.4 | 1,222                                | 1,142   | 6,406           | 6,926     | 63.2                  | 67.5 | 1,490                                | 1,935   | Delaware.           |
| 82.0                      | 72.6 | 7,610                                | 5,126   | 33,353          | 32,544    | 69.6                  | 66.4 | 8,045                                | 7,600   | Maryland.           |
| 66.9                      | 64.0 | 33                                   | 39      | 153             | 100       | 75.0                  | 71.9 | 171                                  | 201     | Dist. of Columbia.  |
| 72.6                      | 65.2 | 17,278                               | 13,083  | 97,297          | 91,338    | 52.2                  | 47.1 | 12,400                               | 10,367  | Virginia.           |
| 40.5                      | 32.0 | 1,710                                | 1,049   | 47,183          | 51,486    | 54.1                  | 56.9 | 3,640                                | 5,262   | West Virginia.      |
| 84.8                      | 84.1 | 48,797                               | 32,002  | 129,964         | 107,359   | 47.8                  | 37.9 | 12,292                               | 8,675   | North Carolina.     |
| 91.6                      | 90.1 | 52,547                               | 24,306  | 60,088          | 26,741    | 31.2                  | 15.5 | 5,904                                | 2,322   | South Carolina.     |
| 90.2                      | 85.2 | 46,196                               | 21,100  | 86,580          | 62,682    | 27.9                  | 25.2 | 9,539                                | 6,306   | Georgia.            |
| 53.6                      | 64.1 | 10,317                               | 12,625  | 20,471          | 23,591    | 37.9                  | 39.6 | 5,025                                | 6,403   | Florida.            |
| 39.8                      | 44.4 | 25,477                               | 25,891  |                 | 366,894   | 53.1                  | 36.6 | 43,364                               | 35,583  | East South Central. |
| 32.0                      | 27.8 | 3,597                                | 2,279   | 119,689         | 94,052    | 44.2                  | 38.4 | 16,017                               | 9,163   | Kentucky.           |
| 33.6                      | 34.1 | 3,525                                | 2,786   | 100,074         | 92,139    | 39.6                  | 36.5 | 11,165                               | 8,701   | Tennessee.          |
| 68.5                      | 77.5 | 14,066                               | 14,564  | 71,668          | 86,606    |                       |      | 5,921                                | 7,063   | Alabama.            |
| 26.2                      | 40.7 | 4,288                                | 6,262   | 77,718          | 95,897    | 25.6                  | 37.3 | 10,261                               | 10,656  | Mississippi.        |
| 10.9                      | 17.5 | 8,697                                | 11,491  |                 | 496,710   | 50.7                  | 47.8 | 181,098                              | 72,778  | West South Central. |
| 17.8                      | 25.6 | 2,573                                | 2,935   | 118,996         | 111,809   | 51.2                  | 50.4 | 17,725                               | 12,379  | Arkansas.           |
| 27.8                      | 41.1 | 3,840                                | 4,140   | 56,423          | 66,910    | 41.7                  | 50.5 | 12,232                               | 10,121  | Louisiana.          |
| 1.3                       | 1.1  | 452                                  | 203     | 114,488         | 106,105   | 59.6                  | 63.8 | 30,372                               | 15,618  | Oklahoma.           |
| 6.3                       | 14.0 | 1,631                                | 4,124   | 215,581         | 201,886   | 49.4                  | 43.4 | 60,702                               | 34,661  | Texas.              |
| 2.0                       | 1.7  | 809                                  | 578     | 141,129         | 197,395   | 37.8                  |      | 66,636                               | 31,636  | Mountain.           |
| .8                        | .3   | 126                                  | 6       | 37,901          | 16,406    | 65.7                  | 35.0 | 19,791                               | 3,578   | Montana.            |
| 1.4                       | 1.6  | 106                                  | 59      | 24,062          | 19,360    | 57.1                  | 47.7 | 10,709                               | 5,494   | Idaho.              |
| .3                        | .3   | 8                                    | 7       | 8,832           | 7,050     | 56.0                  | 45.4 | 6,910                                | 2,587   | Wyoming.            |
| 2.0                       | 2.0  | 294                                  | 127     | 36,092          | 29,598    | 60.2                  | 51.0 | 18,431                               | 10,371  | Colorado.           |
| 4.9                       | 3.6  | 113                                  | 88      | 14,586          | 15,349    | 48.9                  | 48.4 | 5,371                                | 3,347   | New Mexico.         |
| 1.3                       | 2.3  | 41                                   | 46      | 4,906           | 6,139     | 49.2                  |      | 2,060                                | 2,413   | Arizona.            |
| 4.0                       | 2.6  | 109                                  | 42      | 12,082          | 11,313    | 61.0                  | 43.5 | 3,941                                | 2,502   | Utah.               |
| 1.8                       | .6   | 10                                   | 2       | 1,687           | 2,180     | 53.3                  | 56.1 | 1,423                                | 1,346   | Nevada.             |
| 11.0                      | 10.3 | 2,196                                |         |                 | 166,966   | 69.7                  | 62.9 | 80,463                               | 80,333  | Pacific.            |
| 5.5                       | 6.7  | 526                                  | 525     | 51,038          | 51,230    | 77.0                  | 69.9 | 20,722                               | 17,161  | Washington.         |
| 11.2                      | 10.5 | 480                                  | 458     | 34,604          | 35,381    | 68.5                  | 63.3 | 12,390                               | 10,156  | Oregon.             |
| 14.0                      | 12.1 | 8,183                                | 8,371   | 77,772          | 80,373    | 66.1                  | 58.9 | 46,381                               | 53,016  | California.         |

### No. 558.—FARMS HAVING MOTOR VEHICLES, TELEPHONES, WATER PIPED INTO HOUSE, AND GAS OR ELECTRIC LIGHT, 1920

(Note.—Percentages represent the proportion which farms having the given facility form of the total number of farms.)

| Division and State              | Automobiles     |          | Motor trucks    |          | Tractors        |          | Telephones      |          | Water piped into house |          | Gas or electric light |          |
|---------------------------------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|------------------------|----------|-----------------------|----------|
|                                 | Number of farms | Per cent | Number of farms | Per cent | Number of farms | Per cent | Number of farms | Per cent | Number of farms        | Per cent | Number of farms       | Per cent |
| United States.....              | 1,872,104       | 38.7     | 131,351         | 7.0      | 2,028,128       | 3.6      | 2,621,884,488   | 38.7     | 661,100                | 10.0     | 452,000               | 7.0      |
| <b>New England</b> .....        | 188,000         | 10.1     | 17,000          | 4.1      | 2,250           | 1.0      | 2,100,000       | 11.4     | 24,000                 | 4.0      | 24,000                | 12.3     |
| Maine.....                      | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| New Hampshire.....              | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Vermont.....                    | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Massachusetts.....              | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Rhode Island.....               | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Connecticut.....                | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| <b>Middle Atlantic</b> .....    | 188,000         | 10.1     | 17,000          | 4.1      | 2,250           | 1.0      | 2,100,000       | 11.4     | 24,000                 | 4.0      | 24,000                | 12.3     |
| New York.....                   | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| New Jersey.....                 | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Pennsylvania.....               | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| <b>East North Central</b> ..... | 188,000         | 10.1     | 17,000          | 4.1      | 2,250           | 1.0      | 2,100,000       | 11.4     | 24,000                 | 4.0      | 24,000                | 12.3     |
| Ohio.....                       | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Indiana.....                    | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Illinois.....                   | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Michigan.....                   | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Wisconsin.....                  | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| <b>West North Central</b> ..... | 188,000         | 10.1     | 17,000          | 4.1      | 2,250           | 1.0      | 2,100,000       | 11.4     | 24,000                 | 4.0      | 24,000                | 12.3     |
| Minnesota.....                  | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Iowa.....                       | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Missouri.....                   | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| North Dakota.....               | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| South Dakota.....               | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Nebraska.....                   | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| <b>South Atlantic</b> .....     | 188,000         | 10.1     | 17,000          | 4.1      | 2,250           | 1.0      | 2,100,000       | 11.4     | 24,000                 | 4.0      | 24,000                | 12.3     |
| Virginia.....                   | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| North Carolina.....             | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| South Carolina.....             | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Georgia.....                    | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Florida.....                    | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| <b>West South Central</b> ..... | 188,000         | 10.1     | 17,000          | 4.1      | 2,250           | 1.0      | 2,100,000       | 11.4     | 24,000                 | 4.0      | 24,000                | 12.3     |
| Texas.....                      | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Louisiana.....                  | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Arkansas.....                   | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Oklahoma.....                   | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| <b>Mountain</b> .....           | 188,000         | 10.1     | 17,000          | 4.1      | 2,250           | 1.0      | 2,100,000       | 11.4     | 24,000                 | 4.0      | 24,000                | 12.3     |
| Montana.....                    | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Wyoming.....                    | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Idaho.....                      | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Utah.....                       | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| New Mexico.....                 | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| <b>Pacific</b> .....            | 188,000         | 10.1     | 17,000          | 4.1      | 2,250           | 1.0      | 2,100,000       | 11.4     | 24,000                 | 4.0      | 24,000                | 12.3     |
| Washington.....                 | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| Oregon.....                     | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |
| California.....                 | 12,000          | 2.4      | 1,000           | 1.2      | 100             | 0.0      | 100,000         | 0.5      | 1,000                  | 0.2      | 1,000                 | 0.6      |

## No. 559.—FARMS HAVING TRACTORS AND RADIO OUTFITS, 1925

[NOTE.—The percentages represent the proportion which farms having tractors or radio outfits form of the total number of farms. For other farm equipment and conveniences in 1920 see Table 558.]

| Division and State              | Tractors        |             | Radio outfits   |             | Division and State              | Tractors        |             | Radio outfits   |            |
|---------------------------------|-----------------|-------------|-----------------|-------------|---------------------------------|-----------------|-------------|-----------------|------------|
|                                 | Number of farms | Per cent    | Number of farms | Per cent    |                                 | Number of farms | Per cent    | Number of farms | Per cent   |
| <b>United States</b> .....      | <b>473,850</b>  | <b>7.4</b>  | <b>364,008</b>  | <b>4.5</b>  | <b>South Atlantic—Con</b>       |                 |             |                 |            |
| <b>New England</b> .....        | <b>7,320</b>    | <b>4.6</b>  | <b>19,006</b>   | <b>11.9</b> | Virginia.....                   | 6,362           | 3.3         | 3,715           | 1.9        |
| Maine.....                      | 1,683           | 3.4         | 3,493           | 7.0         | West Virginia.....              | 1,765           | 2.0         | 1,741           | 1.9        |
| New Hampshire.....              | 494             | 2.3         | 2,366           | 11.2        | North Carolina.....             | 7,595           | 2.7         | 1,357           | .5         |
| Vermont.....                    | 1,509           | 5.4         | 2,778           | 10.0        | South Carolina.....             | 2,658           | 1.5         | 867             | .5         |
| Massachusetts.....              | 2,046           | 6.1         | 6,434           | 19.2        | Georgia.....                    | 3,769           | 1.5         | 1,293           | .5         |
| Rhode Island.....               | 260             | 7.2         | 1,246           | 31.9        | Florida.....                    | 2,352           | 4.0         | 506             | .9         |
| Connecticut.....                | 1,315           | 5.7         | 2,688           | 11.6        | <b>East South Central</b> ..... | <b>13,290</b>   | <b>1.3</b>  | <b>8,494</b>    | <b>.8</b>  |
| <b>Middle Atlantic</b> .....    | <b>47,471</b>   | <b>11.3</b> | <b>45,313</b>   | <b>10.6</b> | Kentucky.....                   | 4,793           | 1.9         | 2,878           | 1.1        |
| New York.....                   | 34,350          | 12.9        | 34,623          | 13.0        | Tennessee.....                  | 4,571           | 1.8         | 1,939           | .8         |
| New Jersey.....                 | 4,113           | 13.9        | 6,256           | 21.1        | Alabama.....                    | 2,261           | 1.0         | 739             | .3         |
| Pennsylvania.....               | 19,006          | 9.5         | 14,933          | 7.4         | Mississippi.....                | 1,674           | .7          | 928             | .4         |
| <b>East North Central</b> ..... | <b>141,670</b>  | <b>13.5</b> | <b>89,391</b>   | <b>8.6</b>  | <b>West South Central</b> ..... | <b>39,845</b>   | <b>3.3</b>  | <b>16,130</b>   | <b>1.6</b> |
| Ohio.....                       | 29,931          | 12.2        | 15,916          | 6.5         | Arkansas.....                   | 2,554           | 1.2         | 1,345           | .6         |
| Indiana.....                    | 22,817          | 11.7        | 8,663           | 4.4         | Louisiana.....                  | 2,466           | 1.9         | 448             | .3         |
| Illinois.....                   | 41,435          | 18.4        | 27,436          | 12.2        | Oklahoma.....                   | 9,954           | 3.0         | 2,707           | 1.4        |
| Michigan.....                   | 18,515          | 9.6         | 9,028           | 4.7         | Texas.....                      | 14,871          | 3.2         | 11,730          | 2.5        |
| Wisconsin.....                  | 28,952          | 15.0        | 8,248           | 4.3         | <b>Mountain</b> .....           | <b>17,909</b>   | <b>7.7</b>  | <b>8,923</b>    | <b>3.0</b> |
| <b>West North Central</b> ..... | <b>191,639</b>  | <b>12.7</b> | <b>89,399</b>   | <b>8.0</b>  | Montana.....                    | 5,857           | 12.5        | 1,941           | 4.1        |
| Minnesota.....                  | 26,539          | 13.6        | 11,770          | 6.3         | Idaho.....                      | 1,796           | 4.4         | 805             | 2.0        |
| Iowa.....                       | 35,692          | 16.7        | 23,645          | 11.1        | Wyoming.....                    | 1,219           | 7.9         | 623             | 4.0        |
| Missouri.....                   | 12,066          | 4.6         | 17,591          | 6.8         | Colorado.....                   | 5,970           | 10.3        | 2,426           | 4.2        |
| North Dakota.....               | 15,853          | 20.9        | 4,729           | 6.2         | New Mexico.....                 | 995             | 3.1         | 286             | .9         |
| South Dakota.....               | 16,373          | 20.6        | 4,866           | 6.1         | Arizona.....                    | 1,060           | 9.8         | 302             | 2.8        |
| Nebraska.....                   | 17,729          | 13.9        | 12,739          | 10.0        | Utah.....                       | 804             | 3.1         | 386             | 1.5        |
| Kansas.....                     | 28,587          | 17.2        | 13,189          | 8.0         | Nevada.....                     | 198             | 5.1         | 154             | 4.0        |
| <b>South Atlantic</b> .....     | <b>38,938</b>   | <b>8.8</b>  | <b>12,636</b>   | <b>1.1</b>  | <b>Pacific</b> .....            | <b>25,509</b>   | <b>12.4</b> | <b>19,198</b>   | <b>7.3</b> |
| Delaware.....                   | 619             | 6.0         | 342             | 3.3         | Washington.....                 | 4,314           | 5.9         | 2,691           | 3.7        |
| Maryland.....                   | 3,814           | 7.8         | 2,779           | 5.7         | Oregon.....                     | 5,364           | 9.6         | 3,251           | 5.8        |
| Dist. of Columbia.....          | 4               | 2.9         | 36              | 25.9        | California.....                 | 25,891          | 19.0        | 13,254          | 9.7        |

Source: Bureau of the Census, Department of Commerce.

810

THEODORE ROOSEVELT

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26.—FARM PRODUCTS—VALUE, PRICES, AND FOREIGN TRADE

[Data in this section relate to continental United States except foreign trade statistics which represent the trade of the "customs area" (see general note, p. 444)]

No. 560.—ESTIMATED VALUE OF FARM PRODUCTS

[NOTE.—Values 1897 to 1908 are based on farm prices Dec. 1 while those for 1909 to date are obtained by multiplying crop and animal production by weighted prices for the crop year. Beginning with 1919, a number of items which previously had not been included in making these estimates were added]

[In millions of dollars]

| Year          | Crops | Animal products | Crops fed to livestock | Total, excluding crops fed to livestock | Year              | Crops  | Animal products | Crops fed to livestock | Total, excluding crops fed to livestock |
|---------------|-------|-----------------|------------------------|---|-------------------|--------|-----------------|------------------------|---|
| 1897          | 2,519 | 1,442           | 1,057                  | 2,904                                   | 1912              | 6,799  | 3,778           | 3,110                  | 7,467                                   |
| 1898          | 2,760 | 1,579           | 1,178                  | 3,161                                   | 1913              | 6,717  | 4,099           | 2,930                  | 7,886                                   |
| 1899 (census) | 3,020 | 1,718           | 1,383                  | 3,355                                   | 1914              | 7,268  | 4,249           | 3,352                  | 8,165                                   |
| 1900          | 3,192 | 1,818           | 1,461                  | 3,549                                   | 1915              | 7,957  | 4,303           | 3,622                  | 8,638                                   |
| 1901          | 3,385 | 1,917           | 1,659                  | 3,643                                   | 1916              | 10,305 | 4,862           | 4,808                  | 10,359                                  |
| 1902          | 3,578 | 2,016           | 1,787                  | 3,807                                   | 1917              | 14,277 | 6,539           | 6,867                  | 13,949                                  |
| 1903          | 3,772 | 2,116           | 1,752                  | 4,136                                   | 1918              | 14,814 | 8,082           | 6,392                  | 16,504                                  |
| 1904          | 3,982 | 2,140           | 1,860                  | 4,262                                   | 1919              | 16,561 | 8,275           | 7,159                  | 17,677                                  |
| 1905          | 4,013 | 2,261           | 1,887                  | 4,387                                   | 1920              | 11,578 | 7,709           | 4,476                  | 14,811                                  |
| 1906          | 4,263 | 2,501           | 1,980                  | 4,784                                   | 1921              | 7,759  | 5,589           | 3,080                  | 10,268                                  |
| 1907          | 4,761 | 2,727           | 2,293                  | 5,195                                   | 1922              | 9,430  | 5,651           | 3,870                  | 11,211                                  |
| 1908          | 5,098 | 2,792           | 2,426                  | 5,464                                   | 1923              | 10,401 | 6,271           | 4,290                  | 12,382                                  |
| 1909          | 5,483 | 3,396           | 2,409                  | 6,472                                   | 1924              | 10,770 | 5,902           | 4,453                  | 12,219                                  |
| 1910          | 6,211 | 3,743           | 2,762                  | 7,192                                   | 1925              | 10,170 | 6,647           | 3,783                  | 13,034                                  |
| 1911          | 6,495 | 3,485           | 2,988                  | 6,992                                   | 1926 (prelimin'y) | 9,266  | 7,300           | 3,581                  | 12,985                                  |

No. 561.—ESTIMATED VALUE OF FARM PRODUCTS, BY CLASSES

[NOTE.—Value in millions of dollars. See headnote to Table 560]

| Product                      | 1923   |                   | 1924   |                   | 1925   |                   | 1926 <sup>1</sup> |                   |
|------------------------------|--------|-------------------|--------|-------------------|--------|-------------------|-------------------|-------------------|
|                              | Value  | Per cent of total | Value  | Per cent of total | Value  | Per cent of total | Value             | Per cent of total |
| Total crops                  | 10,401 | 100.0             | 10,770 | 100.0             | 10,170 | 100.0             | 9,266             | 100.0             |
| Cereals                      | 4,138  | 39.8              | 4,669  | 43.3              | 3,917  | 38.5              | 3,687             | 39.8              |
| Cotton                       | 1,657  | 15.9              | 1,766  | 16.4              | 1,799  | 17.7              | 1,294             | 14.0              |
| Flax, fiber, and seed        | 37     | .4                | 74     | .7                | 50     | .5                | 39                | .4                |
| Fruits                       | 642    | 6.2               | 614    | 5.7               | 668    | 6.5               | 666               | 7.2               |
| Hay and forage               | 1,619  | 15.6              | 1,674  | 15.5              | 1,471  | 14.5              | 1,490             | 16.1              |
| Legume seeds                 | 172    | 1.7               | 153    | 1.4               | 130    | 1.2               | 124               | 1.3               |
| Other seeds, grass, etc.     | 46     | .4                | 26     | .3                | 38     | .4                | 35                | .4                |
| Sugar crops                  | 153    | 1.5               | 150    | 1.4               | 108    | 1.1               | 119               | 1.3               |
| Tobacco                      | 311    | 3.0               | 244    | 2.3               | 234    | 2.3               | 245               | 2.6               |
| Vegetables                   | 1,169  | 11.2              | 963    | 9.0               | 1,288  | 12.7              | 1,117             | 12.1              |
| Farm-forest products         | 318    | 3.1               | 306    | 2.8               | 327    | 3.2               | 318               | 3.4               |
| Other crops                  | 139    | 1.3               | 131    | 1.2               | 140    | 1.4               | 132               | 1.4               |
| Total animal products        | 6,271  | 100.0             | 5,902  | 100.0             | 6,647  | 100.0             | 7,300             | 100.0             |
| Animals raised <sup>1</sup>  | 2,477  | 39.5              | 2,243  | 38.0              | 2,672  | 40.2              | 3,065             | 42.0              |
| Bee products                 | 12     | .2                | 12     | .2                | 12     | .2                | 12                | .2                |
| Dairy products               | 2,652  | 42.3              | 2,586  | 43.8              | 2,746  | 41.3              | 2,952             | 40.3              |
| Poultry products             | 1,039  | 16.6              | 968    | 16.4              | 1,117  | 16.8              | 1,181             | 16.2              |
| Wool                         | 87     | 1.4               | 89     | 1.5               | 95     | 1.4               | 85                | 1.2               |
| Other animal products        | 4      | .1                | 4      | .1                | 5      | .1                | 5                 | .1                |
| Deduct crop fed to livestock | 4,290  |                   | 4,453  |                   | 3,783  |                   | 3,581             |                   |
| Net total, all products      | 12,382 |                   | 12,219 |                   | 13,034 |                   | 12,985            |                   |

<sup>1</sup> Preliminary.

Source of Tables 560 and 561: Bureau of Agricultural Economics, Department of Agriculture.

### No. 562.—INDEX NUMBERS OF FARM AND WHOLESALE PRICES OF AGRICULTURAL PRODUCTS, BY GROUPS

| Period<br>(calendar year) | Farm prices, 30 commodities (1910-1914=100) |        |                       |              |                |                  |                        | Wholesale prices (1913=100) |                  |                       |                     |                     |
|---------------------------|---|--------|-----------------------|--------------|----------------|------------------|------------------------|-----------------------------|------------------|-----------------------|---------------------|---------------------|
|                           | Farm products                               | Grains | Fruits and vegetables | Meat animals | Dairy products | Poultry products | Cotton and cotton seed | Farm products               | Grains           | Livestock and poultry | Other farm products | Cotton <sup>1</sup> |
| 1909-1914.....            | 100   | 100    | 100                   | 100          | 100            | 100              | 100                    | 100.0                       | ( <sup>2</sup> ) | ( <sup>2</sup> )      | ( <sup>2</sup> )    | ( <sup>2</sup> )    |
| 1913.....                 | 100   | 92     | 92                    | 108          | 100            | 101              | 97                     | 100.0                       | 100.0            | 100.0                 | 100.0               | 100.0               |
| 1914.....                 | 102   | 103    | 100                   | 112          | 100            | 105              | 85                     | 102.6                       | 108.5            | 103.0                 | 99.4                | 88.7                |
| 1915.....                 | 100   | 120    | 83                    | 104          | 98             | 103              | 78                     | 103.9                       | 135.2            | 95.1                  | 97.6                | 75.7                |
| 1916.....                 | 117   | 126    | 123                   | 120          | 102            | 116              | 119                    | 122.8                       | 141.7            | 113.9                 | 122.5               | 111.0               |
| 1917.....                 | 176   | 217    | 202                   | 173          | 125            | 157              | 187                    | 189.6                       | 243.7            | 167.6                 | 185.0               | 177.9               |
| 1918.....                 | 200   | 226    | 162                   | 202          | 152            | 185              | 245                    | 218.5                       | 239.2            | 201.8                 | 224.6               | 245.1               |
| 1919.....                 | 209   | 231    | 189                   | 206          | 173            | 206              | 247                    | 230.8                       | 250.6            | 210.9                 | 240.4               | 250.8               |
| 1920.....                 | 205   | 231    | 249                   | 173          | 188            | 222              | 248                    | 217.9                       | 255.5            | 175.4                 | 240.7               | 259.9               |
| 1921.....                 | 116   | 112    | 148                   | 108          | 148            | 161              | 101                    | 123.7                       | 134.2            | 107.7                 | 134.2               | 111.3               |
| 1922.....                 | 124   | 105    | 152                   | 113          | 134            | 139              | 156                    | 133.3                       | 124.2            | 116.4                 | 153.7               | 160.6               |
| 1923.....                 | 135   | 114    | 136                   | 106          | 148            | 145              | 216                    | 141.1                       | 124.5            | 109.6                 | 178.8               | 226.0               |
| 1924.....                 | 134   | 129    | 124                   | 109          | 134            | 147              | 211                    | 143.4                       | 141.3            | 112.4                 | 173.6               | 219.8               |
| 1925.....                 | 147   | 156    | 160                   | 139          | 137            | 161              | 177                    | 158.1                       | 172.3            | 140.1                 | 167.0               | 181.3               |
| 1926.....                 | 136   | 129    | 189                   | 146          | 136            | 156              | 122                    | 142.2                       | 148.1            | 135.4                 | 144.4               | 132.5               |
| 1927.....                 | 131   | 128    | 155                   | 139          | 138            | 141              | 128                    | 143.5                       | 145.4            | 140.3                 | 144.2               | 135.7               |
| December, 1926...         | 127   | 120    | 137                   | 140          | 144            | 212              | 81                     | 134.9                       | 142.2            | 128.8                 | 136.0               | 96.4                |
| December, 1927...         | 137   | 123    | 141                   | 138          | 145            | 195              | 153                    | 153.1                       | 145.9            | 144.7                 | 163.3               | 151.2               |

<sup>1</sup> New Orleans price; cotton is included in the preceding column "Other farm products," in which it is a dominant item.

<sup>2</sup> Not available.

Source: Farm prices, Department of Agriculture; wholesale prices, Department of Labor.

### No. 563.—INDEX NUMBERS OF PRICES OF AGRICULTURAL AND OTHER PRODUCTS

| Yearly average or year | Farm prices, 30 commodities (1910-1914=100) | Wholesale prices, central markets (1910-1914=100) |                                     |                                 |  |                 |
|------------------------|---|---|-------------------------------------|---------------------------------|--|-----------------|
|                        |   | Domestic and imported farm products               | Domestic and imported food products | Domestic farm and food products | All commodities except domestic farm and food products | All commodities |
| 1890-1894.....         | (1)   | 69  | 82                                  | (1)                             | (1)  | 77              |
| 1895-1899.....         | (1)   | 60  | 72                                  | (1)                             | (1)  | 71              |
| 1900-1904.....         | (1)   | 77  | 81                                  | (1)                             | (1)  | 85              |
| 1905-1909.....         | (1)   | 86  | 89                                  | (1)                             | (1)  | 93              |
| 1910-1914.....         | 100   | 100   | 100                                 | 100                             | 100  | 100             |
| 1915-1920.....         | 168   | 181   | 167                                 | 176                             | 175  | 175             |
| 1921-1925.....         | 131   | 140   | 145                                 | 143                             | 167  | 154             |
| 1913.....              | 100   | 100   | 99                                  | 99                              | 104  | 102             |
| 1920.....              | 205   | 218   | 218                                 | 221                             | 241  | 230             |
| 1921.....              | 116   | 124   | 143                                 | 133                             | 167  | 150             |
| 1922.....              | 124   | 133   | 137                                 | 136                             | 168  | 152             |
| 1923.....              | 135   | 141   | 143                                 | 143                             | 171  | 157             |
| 1924.....              | 134   | 143   | 143                                 | 144                             | 162  | 152             |
| 1925.....              | 147   | 158   | 156                                 | 158                             | 165  | 162             |
| 1926.....              | 136   | 142   | 152                                 | 147                             | 161  | 154             |
| 1927.....              | 131   | 144   | 148                                 | 146                             | 152  | 149             |

<sup>1</sup> Not available.

Sources: Farm prices, Bureau of Agricultural Economics, Department of Agriculture; wholesale prices, Bureau of Labor Statistics, Department of Labor.

**No. 564.—AVERAGE PREVAILING FARM WAGE RATE AND INDEX NUMBERS OF FARM WAGES**

[NOTE.—Yearly averages are from reports by crop reporters, giving average wages for the year in their locality, except for 1924–1927, when the wage rates per month are straight averages of quarterly rates April, July, October of the current year and January of the following year]

| Year                            | Average yearly farm wage per month— |               | Weighted average wage rate per month | Index numbers of farm wages (1910–1914=100) | Year      | Average yearly farm wage per month— |               | Weighted average wage rate per month | Index numbers of farm wages (1910–1914=100) |
|---------------------------------|-------------------------------------|---------------|--------------------------------------|---|-----------|-------------------------------------|---------------|--------------------------------------|---|
|                                 | With board                          | Without board |                                      |   |           | With board                          | Without board |                                      |   |
| 1866.....                       | \$10.09                             | \$15.50       | \$13.14                              | 55  | 1910..... | \$19.58                             | \$28.04       | \$23.08                              | 97  |
| 1869.....                       | 9.97                                | 15.50         | 12.93                                | 54  | 1911..... | 19.85                               | 28.33         | 23.25                                | 97  |
| 1874 or 1875.....               | 11.16                               | 17.10         | 14.19                                | 59  | 1912..... | 20.46                               | 29.14         | 24.01                                | 101   |
| 1877 or 1879 <sup>1</sup> ..... | 10.86                               | 16.79         | 13.34                                | 56  | 1913..... | 21.27                               | 30.21         | 24.83                                | 104   |
| 1879 or 1880.....               | 11.70                               | 17.53         | 14.14                                | 59  | 1914..... | 20.90                               | 29.72         | 24.26                                | 101   |
| 1880 or 1881.....               | 12.32                               | 18.52         | 14.82                                | 62  | 1915..... | 21.08                               | 29.97         | 24.46                                | 102   |
| 1881 or 1882.....               | 12.88                               | 19.11         | 15.48                                | 65  | 1916..... | 23.04                               | 32.58         | 26.83                                | 112   |
| 1884 or 1885.....               | 13.08                               | 19.22         | 15.58                                | 65  | 1917..... | 28.64                               | 40.19         | 33.42                                | 140   |
| 1887 or 1888.....               | 13.29                               | 19.67         | 15.87                                | 66  | 1918..... | 35.12                               | 49.13         | 42.12                                | 176   |
| 1891 or 1892.....               | 13.48                               | 20.02         | 16.06                                | 67  | 1919..... | 40.14                               | 56.77         | 49.11                                | 206   |
| 1893.....                       | 13.85                               | 19.97         | 15.93                                | 67  | 1920..... | 47.24                               | 65.05         | 57.01                                | 239   |
| 1894.....                       | 12.70                               | 18.57         | 14.60                                | 61  | 1921..... | 30.25                               | 43.58         | 35.77                                | 150   |
| 1895.....                       | 12.75                               | 18.74         | 14.69                                | 62  | 1922..... | 29.31                               | 42.09         | 34.91                                | 146   |
| 1898.....                       | 13.29                               | 19.16         | 15.58                                | 65  | 1923..... | 33.09                               | 46.74         | 39.64                                | 166   |
| 1899.....                       | 13.90                               | 19.97         | 16.34                                | 68  | 1924..... | 33.34                               | 47.22         | 39.67                                | 166   |
| 1902.....                       | 15.51                               | 22.12         | 18.12                                | 76  | 1925..... | 33.88                               | 47.80         | 40.12                                | 168   |
| 1906.....                       | 18.73                               | 26.19         | 21.92                                | 92  | 1926..... | 34.86                               | 48.86         | 40.92                                | 171   |
| 1909.....                       | 20.48                               | 28.09         | 23.00                                | 96  | 1927..... | 34.58                               | 48.63         | 40.20                                | 170   |

| Basis of rate and division      | 1926    |         |         |         | 1927    |         |         |         | 1928    |         |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                                 | Jan. 1  | Apr. 1  | July 1  | Oct. 1  | Jan. 1  | Apr. 1  | July 1  | Oct. 1  | Jan. 1  | Apr. 1  |
| <b>PER MONTH, WITH BOARD</b>    |         |         |         |         |         |         |         |         |         |         |
| United States.....              | \$31.83 | \$34.38 | \$32.10 | \$32.00 | \$32.94 | \$34.53 | \$35.59 | \$35.68 | \$32.50 | \$34.46 |
| North Atlantic States.....      | 43.20   | 46.20   | 48.16   | 47.75   | 44.42   | 47.21   | 47.65   | 47.01   | 43.33   | 45.05   |
| North Central States.....       | 35.23   | 40.61   | 42.79   | 41.91   | 37.12   | 41.30   | 42.97   | 42.47   | 36.38   | 41.38   |
| South Atlantic States.....      | 25.17   | 26.16   | 26.79   | 26.76   | 25.55   | 25.24   | 25.53   | 25.77   | 25.40   | 24.89   |
| South Central States.....       | 24.27   | 24.84   | 26.07   | 27.14   | 24.72   | 24.46   | 25.38   | 25.57   | 24.68   | 24.88   |
| Western States.....             | 48.05   | 51.00   | 54.96   | 53.61   | 53.36   | 52.55   | 54.39   | 56.39   | 49.57   | 53.10   |
| <b>PER MONTH, WITHOUT BOARD</b> |         |         |         |         |         |         |         |         |         |         |
| United States.....              | 46.26   | 48.40   | 49.89   | 50.10   | 47.07   | 48.47   | 49.58   | 49.77   | 46.75   | 48.44   |
| North Atlantic States.....      | 65.09   | 68.46   | 69.16   | 68.67   | 67.30   | 69.43   | 69.91   | 69.03   | 66.36   | 67.43   |
| North Central States.....       | 50.54   | 54.48   | 56.04   | 56.12   | 52.18   | 55.19   | 56.65   | 56.67   | 50.81   | 55.66   |
| South Atlantic States.....      | 36.32   | 36.78   | 37.86   | 37.58   | 35.66   | 36.24   | 36.87   | 36.44   | 36.36   | 35.20   |
| South Central States.....       | 35.16   | 36.20   | 37.19   | 38.15   | 35.09   | 34.72   | 35.75   | 36.85   | 35.25   | 35.58   |
| Western States.....             | 70.63   | 72.90   | 77.43   | 77.31   | 73.27   | 76.38   | 77.62   | 78.33   | 73.18   | 75.94   |
| <b>PER DAY, WITH BOARD</b>      |         |         |         |         |         |         |         |         |         |         |
| United States.....              | 1.76    | 1.78    | 1.91    | 1.97    | 1.79    | 1.78    | 1.89    | 1.96    | 1.76    | 1.78    |
| North Atlantic States.....      | 2.59    | 2.63    | 2.72    | 2.82    | 2.65    | 2.67    | 2.82    | 2.83    | 2.62    | 2.65    |
| North Central States.....       | 2.08    | 2.15    | 2.35    | 2.41    | 2.15    | 2.17    | 2.32    | 2.47    | 2.12    | 2.18    |
| South Atlantic States.....      | 1.37    | 1.35    | 1.38    | 1.42    | 1.35    | 1.33    | 1.36    | 1.35    | 1.31    | 1.31    |
| South Central States.....       | 1.28    | 1.27    | 1.38    | 1.46    | 1.29    | 1.25    | 1.34    | 1.36    | 1.26    | 1.25    |
| Western States.....             | 2.33    | 2.32    | 2.53    | 2.51    | 2.32    | 2.37    | 2.48    | 2.67    | 2.36    | 2.37    |
| <b>PER DAY, WITHOUT BOARD</b>   |         |         |         |         |         |         |         |         |         |         |
| United States.....              | 2.33    | 2.35    | 2.46    | 2.55    | 2.36    | 2.37    | 2.44    | 2.51    | 2.34    | 2.35    |
| North Atlantic States.....      | 3.42    | 3.45    | 3.52    | 3.62    | 3.41    | 3.47    | 3.61    | 3.62    | 3.42    | 3.40    |
| North Central States.....       | 2.80    | 2.84    | 3.04    | 3.08    | 2.84    | 2.88    | 3.04    | 3.14    | 2.81    | 2.89    |
| South Atlantic States.....      | 1.78    | 1.76    | 1.80    | 1.86    | 1.77    | 1.75    | 1.78    | 1.78    | 1.74    | 1.72    |
| South Central States.....       | 1.64    | 1.67    | 1.78    | 1.91    | 1.69    | 1.66    | 1.67    | 1.75    | 1.66    | 1.64    |
| Western States.....             | 3.14    | 3.17    | 3.35    | 3.37    | 3.18    | 3.23    | 3.29    | 3.45    | 3.18    | 3.20    |

<sup>1</sup> 1877 or 1878, 1878 or 1879 (combined).

Source: Bureau of Agricultural Economics, Department of Agriculture.

# AGRICULTURAL EXPORTS AND IMPORTS

## TABLE 566.—FOREIGN TRADE IN AGRICULTURAL AND FOREST PRODUCTS: YEARS ENDING JUNE 30

(All figures, except percentages, in thousands of dollars)

| Yearly average<br>or year ended<br>June 30— | Agricultural exports <sup>1</sup> |  |                             | Agricultural imports <sup>1</sup> |                               | Forest products |                             |         |
|---|-----------------------------------|--|-----------------------------|-----------------------------------|-------------------------------|-----------------|-----------------------------|---------|
|   | Domestic                          |  | Foreign<br>(reex-<br>ports) | Total                             | Per cent<br>of all<br>imports | Exports         |                             | Imports |
|   | Total                             | Per cent<br>of all<br>exports <sup>2</sup> |                             |                                   |                               | Domestic        | Foreign<br>(reex-<br>ports) |         |
| 1852-1856                                   | 164,896                           | 80.9                                       | 8,060                       | 77,847                            | 29.1                          | 5,819           | 694                         | 3,266   |
| 1857-1861                                   | 215,709                           | 81.1                                       | 10,174                      | 121,018                           | 38.2                          | 9,995           | 962                         | 6,942   |
| 1862-1866                                   | 148,866                           | 76.7                                       | 9,268                       | 122,222                           | 43.0                          | 7,365           | 796                         | 8,511   |
| 1867-1871                                   | 250,713                           | 76.9                                       | 8,538                       | 179,774                           | 42.3                          | 11,775          | 691                         | 14,813  |
| 1872-1876                                   | 306,656                           | 78.5                                       | 8,863                       | 203,156                           | 46.5                          | 17,907          | 960                         | 19,738  |
| 1877-1881                                   | 361,351                           | 80.4                                       | 8,632                       | 266,364                           | 50.4                          | 17,579          | 553                         | 22,006  |
| 1882-1886                                   | 557,473                           | 76.2                                       | 9,340                       | 311,708                           | 46.8                          | 24,705          | 1,417                       | 34,268  |
| 1887-1891                                   | 573,297                           | 74.7                                       | 8,982                       | 366,920                           | 43.3                          | 26,061          | 1,443                       | 39,847  |
| 1892-1896                                   | 638,748                           | 73.0                                       | 8,446                       | 398,332                           | 51.6                          | 29,276          | 1,707                       | 45,093  |
| 1897-1901                                   | 827,306                           | 65.9                                       | 10,962                      | 376,550                           | 50.7                          | 45,961          | 3,263                       | 52,327  |
| 1902-1906                                   | 879,541                           | 69.5                                       | 11,922                      | 487,881                           | 46.3                          | 63,583          | 3,850                       | 76,895  |
| 1907-1911                                   | 975,399                           | 63.9                                       | 12,126                      | 634,571                           | 45.2                          | 88,764          | 6,488                       | 137,651 |
| 1912-1916                                   | 1,356,452                         | 45.1                                       | 24,275                      | 924,690                           | 50.1                          | 92,129          | 5,563                       | 185,390 |
| 1917-1921                                   | 2,459,558                         | 42.7                                       | 78,068                      | 1,972,707                         | 56.1                          | 120,200         | 8,412                       | 360,413 |
| 1922-1926                                   | 2,472,379                         | 44.7                                       | 66,365                      | 2,116,760                         | 48.4                          | 169,453         | 12,232                      | 536,527 |
| 1927  | 1,054,405                         | 56.9                                       | 11,614                      | 626,837                           | 43.7                          | 92,949          | 5,500                       | 122,431 |
| 1928  | 1,017,396                         | 55.8                                       | 10,799                      | 599,690                           | 45.2                          | 90,362          | 4,570                       | 97,733  |
| 1929  | 903,238                           | 55.1                                       | 9,585                       | 638,613                           | 48.7                          | 72,442          | 4,983                       | 123,920 |
| 1930  | 871,158                           | 50.9                                       | 14,470                      | 687,509                           | 44.2                          | 85,030          | 9,802                       | 178,872 |
| 1931  | 1,030,794                         | 51.2                                       | 14,663                      | 680,205                           | 44.5                          | 103,039         | 7,587                       | 162,312 |
| 1932  | 1,060,627                         | 48.4                                       | 12,108                      | 783,457                           | 47.4                          | 108,122         | 6,413                       | 172,323 |
| 1933  | 1,123,652                         | 46.3                                       | 15,029                      | 815,301                           | 46.0                          | 124,836         | 7,432                       | 180,502 |
| 1934  | 1,113,974                         | 47.8                                       | 17,729                      | 924,247                           | 48.3                          | 106,079         | 4,518                       | 155,261 |
| 1935  | 1,475,938                         | 54.3                                       | 34,420                      | 910,766                           | 54.4                          | 52,554          | 5,089                       | 165,849 |
| 1936  | 1,518,071                         | 35.5                                       | 42,068                      | 1,189,705                         | 54.1                          | 64,155          | 4,364                       | 252,861 |
| 1937  | 1,968,253                         | 31.6                                       | 37,640                      | 1,404,972                         | 52.8                          | 68,919          | 11,172                      | 322,699 |
| 1938  | 2,280,466                         | 39.1                                       | 39,563                      | 1,618,874                         | 55.0                          | 87,181          | 8,066                       | 335,033 |
| 1939  | 3,579,918                         | 50.6                                       | 103,330                     | 1,768,191                         | 57.1                          | 113,276         | 8,006                       | 266,781 |
| 1940  | 3,861,511                         | 48.6                                       | 122,598                     | 3,129,659                         | 59.7                          | 190,049         | 11,026                      | 508,410 |
| 1941  | 2,607,041                         | 40.8                                       | 87,019                      | 1,941,837                         | 53.1                          | 141,876         | 7,606                       | 343,141 |
| 1942  | 1,915,866                         | 51.8                                       | 40,783                      | 1,282,890                         | 49.2                          | 94,116          | 6,720                       | 245,474 |
| 1943  | 1,799,168                         | 46.3                                       | 43,359                      | 1,905,245                         | 50.4                          | 129,982         | 8,969                       | 405,725 |
| 1944  | 1,867,098                         | 44.2                                       | 57,640                      | 1,716,994                         | 48.3                          | 162,374         | 6,642                       | 374,339 |
| 1945  | 2,390,351                         | 47.7                                       | 54,492                      | 1,818,578                         | 47.6                          | 156,187         | 11,530                      | 465,464 |
| 1946  | 1,891,739                         | 40.7                                       | 48,532                      | 1,918,266                         | 43.0                          | 162,731         | 28,074                      | 848,462 |
| 1947  | 1,917,851                         | 39.2                                       | 50,531                      | 1,908,160                         | 44.8                          | 172,943         | 21,063                      | 613,122 |

<sup>1</sup>Not including forest products.

<sup>2</sup>Based on total domestic exports.

<sup>3</sup>Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture; based on original data of Bureau of Foreign and Domestic Commerce and predecessor organizations.

## No. 566.—VALUE OF DOMESTIC EXPORTS OF AGRICULTURAL PRODUCTS: BY MAJOR GROUPS

(In millions and tenths of millions of dollars)

| Yearly average or year<br>(calendar) | Total<br>agricul-<br>tural<br>exports | Animals<br>and<br>prod-<br>ucts,<br>edible | Dairy<br>prod-<br>ucts<br>and<br>eggs | Grains<br>and<br>prepara-<br>tions | Vege-<br>tables,<br>fruits,<br>and<br>nuts | Miscel-<br>laneous<br>animal<br>and<br>vegetable<br>products | Cotton  | To-<br>bacco |
|--------------------------------------|---------------------------------------|--|---------------------------------------|------------------------------------|--|--|---------|--------------|
| 1910-1914 (fiscal)                   | 1,035.7                               | 151.8                                      | 6.3                                   | 147.3                              | 35.0                                       | 98.7   | 551.9   | 44.9         |
| 1915                                 | 1,142.3                               | 158.8                                      | 6.9                                   | 197.4                              | 40.5                                       | 111.2  | 575.5   | 52.9         |
| 1916                                 | 4,006.0                               | 1,017.5                                    | 168.5                                 | 985.9                              | 175.3                                      | 401.5  | 1,137.4 | 260.0        |
| 1917                                 | 3,452.3                               | 472.8                                      | 96.7                                  | 1,085.9                            | 117.9                                      | 296.9  | 1,136.4 | 245.5        |
| 1918                                 | 2,114.9                               | 309.1                                      | 56.3                                  | 758.4                              | 90.4                                       | 161.4  | 524.2   | 206.1        |
| 1919                                 | 1,884.4                               | 262.2                                      | 34.9                                  | 516.0                              | 93.6                                       | 158.1  | 673.3   | 146.5        |
| 1920                                 | 1,820.5                               | 309.6                                      | 36.4                                  | 311.4                              | 87.7                                       | 115.0  | 807.1   | 163.4        |
| 1921                                 | 2,110.1                               | 275.5                                      | 35.7                                  | 433.8                              | 117.1                                      | 133.3  | 960.6   | 164.1        |
| 1922                                 | 2,126.2                               | 271.3                                      | 31.1                                  | 351.6                              | 121.1                                      | 147.3  | 1,059.8 | 153.8        |
| 1923                                 | 1,816.7                               | 238.2                                      | 26.6                                  | 355.7                              | 132.6                                      | 112.1  | 814.4   | 136.9        |
| 1924                                 | 1,894.7                               | 182.6                                      | 25.2                                  | 442.6                              | 142.6                                      | 123.4  | 826.3   | 139.7        |

Source: Bureau of Foreign and Domestic Commerce.

# No. 657.—VALUE OF DOMESTIC EXPORTS OF PRINCIPAL AGRICULTURAL PRODUCTS OR GROUPS OF PRODUCTS

[NOTE.—In millions and tenths of millions of dollars. Data except as stated are for calendar years]

| Products  | 1910-1914<br>(fiscal) | 1913      | 1919      | 1922      | 1923      | 1924      | 1925      | 1926      | 1927      |
|---|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Grand total <sup>1</sup> .....                        | 1, 035. 7             | 1, 143. 3 | 4, 006. 0 | 1, 884. 4 | 1, 890. 5 | 2, 110. 1 | 2, 136. 2 | 1, 816. 7 | 1, 884. 7 |
| Live animals.....                                     | 13. 0                 | 7. 1      | 12. 0     | 11. 4     | 6. 3      | 6. 1      | 8. 5      | 5. 5      | 6. 7      |
| Meats.....  | 62. 7                 | 68. 9     | 690. 9    | 134. 5    | 149. 4    | 113. 4    | 117. 9    | 98. 7     | 64. 2     |
| Eggs and dairy products.....                          | 6. 3                  | 6. 9      | 168. 5    | 34. 9     | 36. 4     | 35. 7     | 31. 1     | 26. 8     | 25. 3     |
| Animal fats and oils.....                             | 83. 8                 | 90. 6     | 326. 3    | 118. 2    | 158. 5    | 150. 0    | 150. 3    | 136. 2    | 116. 8    |
| Hides and skins.....                                  | 3. 2                  | 3. 0      | 10. 9     | 4. 0      | 4. 9      | 12. 8     | 12. 0     | 10. 8     | 11. 5     |
| Bread grains <sup>2</sup> .....                       | 107. 6                | 154. 0    | 727. 1    | 339. 8    | 236. 1    | 371. 5    | 275. 2    | 300. 5    | 367. 9    |
| Coarse grains.....                                    | 36. 8                 | 40. 0     | 165. 2    | 159. 8    | 61. 1     | 54. 5     | 72. 7     | 50. 0     | 63. 8     |
| Rice.....   | . 6                   | . 9       | 34. 8     | 15. 5     | 12. 9     | 7. 0      | 3. 3      | 4. 9      | 11. 8     |
| Fodders and feeds.....                                | 28. 1                 | 34. 7     | 38. 1     | 22. 4     | 21. 7     | 29. 4     | 33. 8     | 28. 2     | 32. 9     |
| Vegetables.....                                       | 5. 8                  | 5. 9      | 45. 8     | 15. 3     | 16. 4     | 16. 8     | 16. 2     | 17. 8     | 18. 7     |
| Fruits.....   | 29. 4                 | 32. 9     | 122. 7    | 74. 4     | 67. 5     | 96. 5     | 100. 7    | 110. 3    | 120. 2    |
| Vegetable oils, expressed,<br>oilseeds, and nuts..... | 21. 2                 | 22. 0     | 102. 1    | 15. 8     | 11. 9     | 10. 9     | 14. 1     | 11. 0     | 13. 4     |
| Coffee and substitutes.....                           | 7. 3                  | 8. 8      | 8. 8      | 5. 5      | 5. 7      | 7. 5      | 8. 0      | 9. 2      | 6. 8      |
| Sugar and related products.....                       | 9. 5                  | 8. 5      | 143. 4    | 77. 3     | 36. 1     | 32. 8     | 36. 1     | 14. 6     | 17. 3     |
| Seeds, except oilseeds.....                           | 2. 6                  | 2. 6      | 8. 3      | 4. 4      | 3. 3      | 3. 3      | 3. 5      | 4. 0      | 3. 6      |
| Tobacco.....  | 44. 8                 | 52. 9     | 260. 0    | 146. 5    | 153. 4    | 164. 1    | 153. 8    | 136. 9    | 139. 7    |
| Cotton.....   | 551. 9                | 575. 5    | 1, 137. 4 | 673. 3    | 807. 1    | 950. 6    | 1, 059. 8 | 814. 4    | 826. 3    |
| Wool and hair.....                                    | 1. 3                  | 1. 3      | 3. 8      | 1. 2      | 1. 5      | 1. 9      | 2. 4      | 2. 0      | 2. 7      |

<sup>1</sup> Totals include various minor items not shown separately.

<sup>2</sup> Includes wheat and rye; also flour and flour products.

Source: Bureau of Foreign and Domestic Commerce.

# No. 568.—AGRICULTURAL EXPORT INDEXES: <sup>1</sup> QUANTITY, PRICE, AND VALUE

| Ratio of year<br>ended Dec. 31— | Total agricultural<br>exports |       |       | Animals and prod-<br>ucts, edible |       |       | Dairy products and<br>eggs |       |        | Grains and prepara-<br>tions |       |       |
|---------------------------------|-------------------------------|-------|-------|-----------------------------------|-------|-------|----------------------------|-------|--------|------------------------------|-------|-------|
|                                 | Quan-<br>tity                 | Price | Value | Quan-<br>tity                     | Price | Value | Quan-<br>tity              | Price | Value  | Quan-<br>tity                | Price | Value |
| 1919 to 1910-1914.....          | 154                           | 256   | 395   | 263                               | 255   | 670   | 1, 342                     | 200   | 2, 682 | 263                          | 241   | 636   |
| 1921 to 1920.....               | 109                           | 56    | 61    | 104                               | 63    | 65    | 70                         | 83    | 58     | 123                          | 57    | 70    |
| 1922 to 1921.....               | 90                            | 99    | 89    | 90                                | 94    | 85    | 75                         | 83    | 62     | 81                           | 84    | 68    |
| 1923 to 1922.....               | 85                            | 114   | 97    | 125                               | 95    | 118   | 94                         | 111   | 104    | 60                           | 100   | 60    |
| 1924 to 1923.....               | 118                           | 99    | 116   | 88                                | 101   | 89    | 102                        | 96    | 98     | 120                          | 116   | 139   |
| 1925 to 1924.....               | 99                            | 102   | 101   | 76                                | 130   | 98    | 79                         | 110   | 87     | 68                           | 119   | 81    |
| 1926 to 1925.....               | 104                           | 82    | 85    | 89                                | 98    | 88    | 86                         | 100   | 86     | 117                          | 86    | 101   |
| 1927 to 1926.....               | 106                           | 97    | 104   | 86                                | 88    | 77    | 94                         | 99    | 94     | 126                          | 99    | 125   |
| 1927 to 1910-1914.....          | 129                           | 141   | 182   | 92                                | 131   | 120   | 267                        | 151   | 402    | 210                          | 143   | 301   |

| Ratio of year ended Dec.<br>31— | Vegetables, fruits, and<br>nuts |       |       | Cotton        |       |       | Tobacco       |       |       |
|---------------------------------|---------------------------------|-------|-------|---------------|-------|-------|---------------|-------|-------|
|                                 | Quan-<br>tity                   | Price | Value | Quan-<br>tity | Price | Value | Quan-<br>tity | Price | Value |
| 1919 to 1910-1914.....          | 236                             | 213   | 501   | 76            | 270   | 206   | 197           | 294   | 580   |
| 1921 to 1920.....               | 105                             | 73    | 77    | 104           | 45    | 47    | 110           | 76    | 84    |
| 1922 to 1921.....               | 104                             | 99    | 104   | 94            | 134   | 126   | 84            | 85    | 71    |
| 1923 to 1922.....               | 107                             | 88    | 94    | 87            | 137   | 120   | 111           | 95    | 105   |
| 1924 to 1923.....               | 141                             | 94    | 134   | 126           | 93    | 118   | 120           | 89    | 107   |
| 1925 to 1924.....               | 92                              | 112   | 103   | 126           | 88    | 111   | 91            | 103   | 94    |
| 1926 to 1925.....               | 115                             | 95    | 110   | 107           | 72    | 77    | 101           | 88    | 89    |
| 1927 to 1926.....               | 115                             | 94    | 108   | 102           | 99    | 101   | 105           | 97    | 102   |
| 1927 to 1910-1914.....          | 295                             | 139   | 410   | 111           | 135   | 150   | 130           | 239   | 312   |

<sup>1</sup> This table is compiled on a different basis from other tables of indexes, showing in most cases the ratio of a specified year to the year preceding, instead of showing the ratio of each postwar year to a common basic pre-war year or pre-war average.

Source: Bureau of Foreign and Domestic Commerce.



## 27.—FARM ANIMALS AND ANIMAL PRODUCTS

[Data in this section relate to continental United States]

### No. 569.—DOMESTIC ANIMALS: NUMBER AND VALUE OF ANIMALS ON FARMS

[NOTE.—For 1880, 1890, 1900, 1910, 1920, and 1925 census enumerations; for other years estimates of the Department of Agriculture. Data are for Jan. 1 except as indicated; the difference in date affects the comparability of the figures for all classes and especially for swine. Animals of all ages are included. Value excludes asses and burros and goats]

| Jan. 1—                | Number (thousands) |       |            |                         |              |        |        | Value of all animals (thousands of dollars) |
|------------------------|--------------------|-------|------------|-------------------------|--------------|--------|--------|---|
|                        | Horses             | Mules | All cattle | Dairy cows <sup>1</sup> | Other cattle | Sheep  | Swine  |   |
| 1880 (June 1, census)  | 10,357             | 1,813 | 39,676     | 12,443                  | 27,232       | 42,192 | 49,773 | -----                                       |
| 1890 (June 1, census)  | 15,266             | 2,252 | 57,649     | 16,512                  | 41,137       | 40,876 | 57,427 | -----                                       |
| 1900 (June 1, census)  | 18,267             | 3,265 | 67,719     | 17,136                  | 50,584       | 61,504 | 62,868 | 2,970,121                                   |
| 1905                   | 17,058             | 2,889 | 61,241     | 17,572                  | 43,669       | 45,170 | 47,321 | 3,006,581                                   |
| 1906                   | 18,719             | 3,404 | 66,862     | 19,794                  | 47,068       | 50,632 | 52,103 | 3,675,389                                   |
| 1907                   | 19,747             | 3,817 | 72,534     | 20,968                  | 51,566       | 53,240 | 54,794 | 4,423,698                                   |
| 1908                   | 19,992             | 3,809 | 71,267     | 21,194                  | 50,073       | 54,631 | 56,084 | 4,331,230                                   |
| 1909                   | 20,640             | 4,053 | 71,099     | 21,720                  | 49,379       | 56,084 | 54,147 | 4,525,269                                   |
| 1910 (Apr. 15, census) | 19,833             | 4,210 | 61,804     | 17,125                  | 41,178       | 52,448 | 58,186 | 4,740,684                                   |
| 1911                   | 20,277             | 4,323 | 60,502     | 20,823                  | 39,679       | 53,633 | 65,620 | 5,276,438                                   |
| 1912                   | 20,509             | 4,362 | 57,959     | 20,699                  | 37,260       | 52,362 | 65,410 | 5,008,327                                   |
| 1913                   | 20,567             | 4,386 | 56,527     | 20,497                  | 36,030       | 51,482 | 61,178 | 5,501,783                                   |
| 1914                   | 20,962             | 4,449 | 56,592     | 20,737                  | 35,855       | 49,719 | 58,933 | 5,890,471                                   |
| 1915                   | 21,195             | 4,479 | 58,329     | 21,262                  | 37,067       | 49,956 | 64,618 | 5,969,253                                   |
| 1916                   | 21,159             | 4,503 | 61,920     | 22,108                  | 39,812       | 48,625 | 67,766 | 6,020,670                                   |
| 1917                   | 21,210             | 4,728 | 64,583     | 22,894                  | 41,689       | 47,616 | 67,503 | 6,735,612                                   |
| 1918                   | 21,555             | 4,873 | 67,422     | 23,310                  | 44,112       | 48,603 | 70,978 | 8,284,198                                   |
| 1919                   | 21,482             | 4,964 | 68,560     | 23,475                  | 45,085       | 48,866 | 74,584 | 8,827,894                                   |
| 1920 (census)          | 19,767             | 5,432 | 66,640     | 19,675                  | 46,964       | 35,034 | 59,346 | 7,596,877                                   |
| 1921                   | 19,134             | 5,586 | 67,184     | 21,408                  | 45,776       | 38,690 | 58,711 | 6,053,128                                   |
| 1922                   | 18,564             | 5,638 | 67,264     | 21,788                  | 45,476       | 36,186 | 59,355 | 4,758,238                                   |
| 1923                   | 17,943             | 5,702 | 66,156     | 22,063                  | 44,093       | 36,212 | 68,447 | 5,048,049                                   |
| 1924                   | 17,222             | 5,730 | 64,507     | 22,255                  | 42,252       | 36,876 | 65,937 | 4,748,686                                   |
| 1925 (census)          | 16,401             | 5,681 | 60,760     | 17,645                  | 43,115       | 35,590 | 50,854 | 4,439,966                                   |
| 1926                   | 15,830             | 5,740 | 59,122     | 22,188                  | 36,934       | 39,730 | 52,148 | 5,003,301                                   |
| 1927                   | 15,145             | 5,679 | 56,872     | 21,818                  | 34,354       | 41,846 | 54,408 | 5,078,418                                   |
| 1928                   | 14,541             | 5,566 | 55,696     | 21,948                  | 33,748       | 44,545 | 58,969 | 5,596,922                                   |

<sup>1</sup> Cows 2 years and over kept for milk Jan. 1, 1910, estimated. Census reported dairy cows and heifers, born before Jan. 1, 1909, as 20,625,432.

### No. 570.—DOMESTIC ANIMALS IN THE UNITED STATES: NUMBER ON FARMS AND NOT ON FARMS, AND VALUE OF THOSE ON FARMS

[NOTE.—By reason of the change in date of enumeration from Apr. 15 in 1910, to Jan. 1 in 1920 and 1925 the earlier figures are not very closely comparable]

| Kind                                     | Total<br>number<br>(thousands) |                     | On farms             |                     |                     |                                 |                  |                  | Not on<br>farms,<br>number<br>(thousands) |                     |
|--|--------------------------------|---------------------|----------------------|---------------------|---------------------|---------------------------------|------------------|------------------|---|---------------------|
|  |                                |                     | Number (thousands)   |                     |                     | Value<br>(thousands of dollars) |                  |                  |   |                     |
|  | 1910<br>(Apr.<br>15)           | 1920<br>(Jan.<br>1) | 1910<br>(Apr.<br>15) | 1920<br>(Jan.<br>1) | 1925<br>(Jan.<br>1) | 1910<br>(Apr. 15)               | 1920<br>(Jan. 1) | 1925<br>(Jan. 1) | 1910<br>(Apr.<br>15)                      | 1920<br>(Jan.<br>1) |
| All domestic ani-<br>mals.....           |                                |                     |                      |                     |                     | 4,760,000                       | 7,632,641        | 4,450,216        |   |                     |
| All cattle.....                          | 63,683                         | 68,751              | 61,804               | 66,640              | 60,760              | 1,499,524                       | 3,651,521        | 2,019,489        | 1,879                                     | 2,112               |
| Dairy cows <sup>1</sup> .....            | 21,796                         | 20,896              | 20,625               | 19,675              | 17,645              | 706,236                         | 1,507,513        | 912,532          | 1,170                                     | 1,221               |
| Horses, mules, asses,<br>and burros..... | 27,618                         | 27,371              | 24,149               | 25,272              | 22,082              | 2,622,180                       | 2,569,570        | 1,451,041        | 3,470                                     | 2,099               |
| Horses.....                              | 23,016                         | 21,473              | 19,833               | 19,767              | 16,401              | 2,063,588                       | 1,782,077        | 1,001,521        | 3,183                                     | 1,706               |
| Mules.....                               | 4,480                          | 5,811               | 4,210                | 5,432               | 5,681               | 525,392                         | 779,294          | 449,520          | 270                                       | 378                 |
| Asses and burros.....                    | 122                            | 87                  | 106                  | 72                  | ( <sup>2</sup> )    | 13,200                          | 8,198            | ( <sup>3</sup> ) | 17  | 15                  |
| Sheep.....                               | 52,839                         | 35,484              | 52,448               | 35,034              | 35,590              | 232,842                         | 395,401          | 354,485          | 391                                       | 450                 |
| Goats.....                               | 3,030                          | 3,564               | 2,915                | 3,459               | 3,370               | 6,176                           | 17,565           | 10,250           | 115                                       | 105                 |
| Swine.....                               | 59,474                         | 61,985              | 58,186               | 59,346              | 50,854              | 399,338                         | 988,582          | 614,951          | 1,288                                     | 2,638               |

<sup>1</sup> Exclusive of asses and burros.

<sup>2</sup> Figures for 1920 and 1925 represent dairy cows and heifers 2 years old and over; those for 1910 include dairy cows and heifers born before Jan. 1, 1909.

<sup>3</sup> Not reported.

Source: Bureau of the Census, Department of Commerce.



## No. 571.—DOMESTIC ANIMALS: NUMBER ON

[NOTE.—By reason of the change in date of census enumeration from Apr. 15,

[All figures in thousands]

| Division and State        | Horses               |                     |                     |                     | Mules                |                     |                     |                     | All cattle           |                     |                     |                     |
|---------------------------|----------------------|---------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|
|                           | 1910<br>(Apr.<br>15) | 1920<br>(Jan.<br>1) | 1925<br>(Jan.<br>1) | 1928<br>(Jan.<br>1) | 1910<br>(Apr.<br>15) | 1920<br>(Jan.<br>1) | 1925<br>(Jan.<br>1) | 1928<br>(Jan.<br>1) | 1910<br>(Apr.<br>15) | 1920<br>(Jan.<br>1) | 1925<br>(Jan.<br>1) | 1928<br>(Jan.<br>1) |
| <b>United States</b>      | <b>19,833</b>        | <b>19,767</b>       | <b>16,401</b>       | <b>14,541</b>       | <b>4,210</b>         | <b>5,432</b>        | <b>5,681</b>        | <b>5,566</b>        | <b>61,804</b>        | <b>66,640</b>       | <b>60,760</b>       | <b>55,696</b>       |
| <b>New England</b>        | <b>358</b>           | <b>305</b>          | <b>259</b>          | <b>231</b>          | <b>2</b>             | <b>3</b>            | <b>3</b>            | <b>(3)</b>          | <b>1,327</b>         | <b>1,390</b>        | <b>1,119</b>        | <b>1,061</b>        |
| Maine                     | 108                  | 94                  | 82                  | 76                  | (3)                  | (3)                 | 1                   | (3)                 | 257                  | 301                 | 236                 | 228                 |
| New Hampshire             | 46                   | 38                  | 31                  | 27                  | (3)                  | (3)                 | (3)                 | (3)                 | 168                  | 164                 | 121                 | 113                 |
| Vermont                   | 81                   | 77                  | 63                  | 55                  | (3)                  | 1                   | 1                   | (3)                 | 430                  | 435                 | 393                 | 404                 |
| Massachusetts             | 64                   | 51                  | 44                  | 37                  | (3)                  | (3)                 | 1                   | (3)                 | 252                  | 216                 | 188                 | 178                 |
| Rhode Island              | 10                   | 7                   | 5                   | 5                   | (3)                  | (3)                 | (3)                 | (3)                 | 34                   | 31                  | 27                  | 27                  |
| Connecticut               | 46                   | 38                  | 34                  | 31                  | (3)                  | 1                   | 1                   | (3)                 | 195                  | 174                 | 153                 | 141                 |
| <b>Middle Atlantic</b>    | <b>1,330</b>         | <b>1,115</b>        | <b>907</b>          | <b>800</b>          | <b>58</b>            | <b>68</b>           | <b>65</b>           | <b>63</b>           | <b>4,333</b>         | <b>3,669</b>        | <b>3,309</b>        | <b>3,300</b>        |
| New York                  | 591                  | 536                 | 440                 | 389                 | 4                    | 7                   | 7                   | 7                   | 2,423                | 2,144               | 1,837               | 1,887               |
| New Jersey                | 89                   | 73                  | 57                  | 52                  | 4                    | 6                   | 5                   | 5                   | 223                  | 179                 | 153                 | 161                 |
| Pennsylvania              | 550                  | 506                 | 410                 | 359                 | 44                   | 55                  | 53                  | 51                  | 1,587                | 1,546               | 1,319               | 1,332               |
| <b>East North Central</b> | <b>4,401</b>         | <b>4,114</b>        | <b>3,303</b>        | <b>2,850</b>        | <b>259</b>           | <b>310</b>          | <b>315</b>          | <b>306</b>          | <b>8,810</b>         | <b>10,899</b>       | <b>9,656</b>        | <b>9,309</b>        |
| Ohio                      | 910                  | 811                 | 630                 | 542                 | 23                   | 32                  | 33                  | 33                  | 1,838                | 1,927               | 1,653               | 1,624               |
| Indiana                   | 814                  | 717                 | 556                 | 522                 | 32                   | 100                 | 101                 | 101                 | 1,363                | 1,546               | 1,282               | 1,346               |
| Illinois                  | 1,453                | 1,297               | 1,030               | 888                 | 148                  | 168                 | 166                 | 157                 | 2,441                | 2,788               | 2,365               | 1,945               |
| Michigan                  | 610                  | 606                 | 482                 | 426                 | 4                    | 6                   | 7                   | 8                   | 1,498                | 1,586               | 1,406               | 1,424               |
| Wisconsin                 | 615                  | 683                 | 604                 | 572                 | 3                    | 4                   | 6                   | 7                   | 2,680                | 3,051               | 3,010               | 2,960               |
| <b>West North Central</b> | <b>6,794</b>         | <b>6,649</b>        | <b>5,968</b>        | <b>5,997</b>        | <b>716</b>           | <b>647</b>          | <b>698</b>          | <b>818</b>          | <b>17,648</b>        | <b>20,165</b>       | <b>19,904</b>       | <b>18,439</b>       |
| Minnesota                 | 753                  | 933                 | 835                 | 810                 | 6                    | 10                  | 13                  | 14                  | 2,347                | 3,021               | 2,853               | 2,856               |
| Iowa                      | 1,492                | 1,387               | 1,180               | 1,067               | 56                   | 82                  | 97                  | 103                 | 4,448                | 4,548               | 4,264               | 3,720               |
| Missouri                  | 1,073                | 908                 | 708                 | 604                 | 343                  | 389                 | 372                 | 340                 | 2,361                | 2,782               | 2,372               | 2,109               |
| North Dakota              | 651                  | 856                 | 731                 | 633                 | 8                    | 8                   | 9                   | 10                  | 744                  | 1,335               | 1,341               | 1,034               |
| South Dakota              | 669                  | 817                 | 720                 | 611                 | 12                   | 15                  | 21                  | 22                  | 1,535                | 2,348               | 2,022               | 1,579               |
| Nebraska                  | 1,008                | 961                 | 862                 | 782                 | 83                   | 100                 | 120                 | 115                 | 2,932                | 3,154               | 3,283               | 2,877               |
| Kansas                    | 1,147                | 1,083               | 931                 | 790                 | 208                  | 243                 | 260                 | 213                 | 3,079                | 2,975               | 3,068               | 2,465               |
| <b>South Atlantic</b>     | <b>1,111</b>         | <b>1,039</b>        | <b>806</b>          | <b>671</b>          | <b>749</b>           | <b>1,078</b>        | <b>1,023</b>        | <b>1,018</b>        | <b>4,839</b>         | <b>4,703</b>        | <b>4,155</b>        | <b>3,801</b>        |
| Delaware                  | 33                   | 28                  | 22                  | 20                  | 6                    | 8                   | 9                   | 9                   | 55                   | 47                  | 46                  | 40                  |
| Maryland                  | 155                  | 141                 | 117                 | 100                 | 23                   | 33                  | 31                  | 29                  | 298                  | 283                 | 273                 | 275                 |
| Dist. of Columbia         | 1                    | (1)                 | (1)                 | (1)                 | 1                    | (1)                 | (1)                 | (1)                 | 1                    | 1                   | 1                   | (1)                 |
| Virginia                  | 330                  | 312                 | 260                 | 207                 | 60                   | 97                  | 102                 | 105                 | 879                  | 910                 | 807                 | 738                 |
| West Virginia             | 180                  | 109                 | 143                 | 51                  | 12                   | 15                  | 15                  | 14                  | 620                  | 597                 | 568                 | 492                 |
| North Carolina            | 366                  | 171                 | 131                 | 107                 | 175                  | 257                 | 260                 | 282                 | 70                   | 645                 | 530                 | 525                 |
| South Carolina            | 80                   | 78                  | 49                  | 42                  | 155                  | 220                 | 199                 | 179                 | 390                  | 434                 | 341                 | 306                 |
| Georgia                   | 120                  | 101                 | 54                  | 41                  | 295                  | 406                 | 344                 | 357                 | 1,080                | 157                 | 908                 | 881                 |
| Florida                   | 46                   | 39                  | 29                  | 25                  | 23                   | 42                  | 43                  | 43                  | 845                  | 630                 | 656                 | 533                 |
| <b>East South Central</b> | <b>1,146</b>         | <b>1,046</b>        | <b>768</b>          | <b>673</b>          | <b>1,004</b>         | <b>1,830</b>        | <b>1,877</b>        | <b>1,893</b>        | <b>5,949</b>         | <b>4,547</b>        | <b>3,636</b>        | <b>3,549</b>        |
| Kentucky                  | 443                  | 382                 | 307                 | 284                 | 225                  | 293                 | 294                 | 295                 | 1,001                | 1,093               | 905                 | 1,003               |
| Tennessee                 | 350                  | 318                 | 242                 | 210                 | 278                  | 353                 | 352                 | 341                 | 997                  | 1,139               | 980                 | 978                 |
| Alabama                   | 136                  | 130                 | 87                  | 73                  | 247                  | 200                 | 203                 | 221                 | 1632                 | 1,044               | 822                 | 709                 |
| Mississippi               | 216                  | 215                 | 131                 | 107                 | 258                  | 308                 | 328                 | 336                 | 1,013                | 1,250               | 923                 | 873                 |
| <b>West South Central</b> | <b>2,949</b>         | <b>2,180</b>        | <b>1,760</b>        | <b>1,551</b>        | <b>1,386</b>         | <b>1,685</b>        | <b>1,693</b>        | <b>1,856</b>        | <b>10,721</b>        | <b>10,106</b>       | <b>9,009</b>        | <b>8,726</b>        |
| Arkansas                  | 255                  | 252                 | 192                 | 147                 | 222                  | 323                 | 341                 | 335                 | 1,028                | 1,075               | 810                 | 817                 |
| Louisiana                 | 18                   | 79                  | 131                 | 114                 | 132                  | 180                 | 73                  | 67                  | 805                  | 804                 | 697                 | 579                 |
| Oklahoma                  | 743                  | 38                  | 908                 | 542                 | 257                  | 337                 | 968                 | 354                 | 1,454                | 2,074               | 1,657               | 1,725               |
| Texas                     | 1,170                | 991                 | 838                 | 748                 | 676                  | 846                 | 1,310               | 1,000               | 6,935                | 6,157               | 5,546               | 5,607               |
| <b>Mountain</b>           | <b>1,427</b>         | <b>2,076</b>        | <b>1,550</b>        | <b>1,678</b>        | <b>49</b>            | <b>89</b>           | <b>119</b>          | <b>110</b>          | <b>8,061</b>         | <b>7,600</b>        | <b>7,406</b>        | <b>6,217</b>        |
| Montana                   | 30                   | 609                 | 594                 | 546                 | 4                    | 9                   | 10                  | 11                  | 943                  | 1,293               | 1,322               | 1,117               |
| Idaho                     | 198                  | 293                 | 263                 | 214                 | 4                    | 8                   | 8                   | 7                   | 454                  | 715                 | 608                 | 588                 |
| Wyoming                   | 156                  | 196                 | 200                 | 190                 | 2                    | 3                   | 5                   | 5                   | 767                  | 875                 | 783                 | 764                 |
| Colorado                  | 244                  | 421                 | 365                 | 324                 | 15                   | 31                  | 38                  | 36                  | 1,120                | 1,757               | 1,436               | 1,317               |
| New Mexico                | 180                  | 183                 | 197                 | 179                 | 15                   | 20                  | 31                  | 31                  | 1,082                | 1,300               | 1,267               | 1,070               |
| Arizona                   | 100                  | 196                 | 112                 | 98                  | 4                    | 12                  | 12                  | 12                  | 825                  | 822                 | 1,069               | 546                 |
| Utah                      | 116                  | 125                 | 110                 | 105                 | 2                    | 3                   | 4                   | 4                   | 412                  | 500                 | 514                 | 472                 |
| Nevada                    | 68                   | 50                  | 30                  | 44                  | 3                    | 2                   | 4                   | 4                   | 450                  | 356                 | 419                 | 343                 |
| <b>Pacific</b>            | <b>1,081</b>         | <b>970</b>          | <b>780</b>          | <b>690</b>          | <b>93</b>            | <b>101</b>          | <b>101</b>          | <b>102</b>          | <b>3,904</b>         | <b>3,432</b>        | <b>3,235</b>        | <b>3,184</b>        |
| Washington                | 261                  | 286                 | 242                 | 210                 | 12                   | 23                  | 26                  | 29                  | 402                  | 573                 | 582                 | 519                 |
| Oregon                    | 272                  | 272                 | 224                 | 191                 | 10                   | 14                  | 19                  | 20                  | 725                  | 851                 | 784                 | 680                 |
| California                | 469                  | 402                 | 314                 | 290                 | 70                   | 63                  | 56                  | 53                  | 2,077                | 2,008               | 1,918               | 1,985               |

11 year old and over. Figures for 1910 are number reported as living Apr. 15, 1910, which had been born before Jan. 1, 1909, that is, 15½ months old and over on Apr. 15, or 1 year old and over on Jan. 1, 1910.

## FARMS, BY DIVISIONS AND STATES, 1910 TO 1928

1910, to Jan. 1 in 1920 and 1925, the 1910 figures are not very closely comparable

[All figures in thousands]

| Dairy cows <sup>1</sup> |                  |                  |                  | Sheep             |                  |                  |                  | Swine             |                  |                  |                  | Division and State |
|-------------------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|--------------------|
| 1910                    | 1920<br>(Jan. 1) | 1925<br>(Jan. 1) | 1928<br>(Jan. 1) | 1910<br>(Apr. 15) | 1920<br>(Jan. 1) | 1925<br>(Jan. 1) | 1928<br>(Jan. 1) | 1910<br>(Apr. 15) | 1920<br>(Jan. 1) | 1925<br>(Jan. 1) | 1928<br>(Jan. 1) |                    |
| 20,625                  | 23,794           | 20,714           | 20,123           | 52,448            | 35,034           | 35,000           | 44,543           | 50,100            | 59,345           | 50,004           | 50,900           | U. S.              |
| 642                     | 1,016            | 880              | 892              | 491               | 948              | 154              | 185              | 397               | 384              | 199              | 293              | N. Eng.            |
| 157                     | 217              | 181              | 176              | 206               | 119              | 85               | 97               | 87                | 91               | 54               | 77               | Me.                |
| 101                     | 119              | 97               | 91               | 44                | 28               | 20               | 20               | 45                | 42               | 18               | 29               | N. H.              |
| 265                     | 346              | 325              | 322              | 119               | 52               | 35               | 46               | 95                | 73               | 44               | 61               | Vt.                |
| 172                     | 174              | 164              | 150              | 33                | 19               | 10               | 12               | 103               | 104              | 58               | 97               | Mass.              |
| 23                      | 25               | 24               | 22               | 7                 | 2                | 2                | 2                | 14                | 13               | 4                | 5                | R. I.              |
| 123                     | 136              | 129              | 121              | 22                | 11               | 7                | 8                | 52                | 61               | 17               | 24               | Conn.              |
| 2,598                   | 2,888            | 2,670            | 2,600            | 1,644             | 1,000            | 880              | 933              | 1,791             | 1,381            | 1,050            | 1,244            | Mid. Atl.          |
| 1,510                   | 1,730            | 1,552            | 1,540            | 930               | 579              | 473              | 491              | 668               | 601              | 259              | 341              | N. Y.              |
| 154                     | 148              | 135              | 135              | 31                | 10               | 6                | 5                | 147               | 139              | 56               | 62               | N. J.              |
| 934                     | 1,050            | 963              | 901              | 883               | 509              | 415              | 437              | 978               | 1,191            | 734              | 841              | Pa.                |
| 4,830                   | 6,089            | 5,877            | 5,426            | 9,548             | 5,078            | 4,479            | 5,376            | 14,401            | 14,183           | 11,774           | 12,579           | E. H. C.           |
| 905                     | 1,050            | 908              | 1,062            | 3,909             | 2,103            | 1,941            | 2,244            | 3,100             | 3,084            | 2,368            | 2,537            | Ohio.              |
| 634                     | 727              | 691              | 823              | 1,337             | 644              | 365              | 705              | 3,614             | 3,757            | 2,939            | 3,227            | Ind.               |
| 1,050                   | 1,148            | 909              | 1,143            | 1,050             | 638              | 566              | 698              | 4,686             | 4,639            | 4,249            | 5,039            | Ill.               |
| 767                     | 967              | 944              | 1,011            | 2,306             | 1,209            | 1,066            | 1,301            | 1,246             | 1,106            | 855              | 913              | Mich.              |
| 1,474                   | 2,180            | 2,304            | 2,367            | 930               | 480              | 310              | 430              | 1,609             | 1,590            | 1,303            | 1,863            | Wis.               |
| 5,338                   | 5,485            | 4,406            | 7,130            | 5,045             | 4,960            | 4,007            | 5,409            | 11,292            | 11,715           | 94,000           | 10,505           | W. H. C.           |
| 1,085                   | 1,532            | 1,565            | 1,843            | 638               | 509              | 379              | 678              | 1,520             | 2,381            | 2,715            | 3,710            | Minn.              |
| 1,407                   | 1,094            | 822              | 1,554            | 1,146             | 1,092            | 818              | 900              | 7,546             | 7,804            | 8,567            | 10,650           | Iowa.              |
| 856                     | 793              | 617              | 900              | 1,811             | 1,272            | 894              | 986              | 4,438             | 3,899            | 3,502            | 4,270            | Mo.                |
| 259                     | 461              | 385              | 553              | 295               | 299              | 311              | 454              | 332               | 458              | 784              | 652              | N. Dak.            |
| 370                     | 406              | 292              | 624              | 811               | 844              | 844              | 834              | 1,010             | 1,954            | 2,800            | 2,445            | S. Dak.            |
| 614                     | 517              | 298              | 741              | 294               | 573              | 647              | 995              | 3,436             | 3,436            | 4,286            | 4,546            | Nebr.              |
| 736                     | 681              | 454              | 816              | 772               | 361              | 316              | 512              | 3,000             | 1,733            | 2,197            | 2,320            | Kans.              |
| 1,811                   | 2,018            | 1,548            | 2,011            | 2,514             | 1,209            | 1,077            | 1,306            | 5,994             | 6,586            | 4,178            | 4,579            | S. Atl.            |
| 38                      | 38               | 39               | 41               | 8                 | 8                | 2                | 2                | 49                | 39               | 24               | 26               | Del.               |
| 167                     | 189              | 196              | 211              | 227               | 103              | 101              | 101              | 302               | 306              | 188              | 221              | Md.                |
| 1                       | 1                | 1                | (?)              | (?)               | (?)              | (?)              | (?)              | 1                 | 1                | 1                | (?)              | D. C.              |
| 336                     | 418              | 329              | 417              | 805               | 342              | 351              | 428              | 796               | 941              | 582              | 642              | Va.                |
| 240                     | 210              | 154              | 247              | 910               | 510              | 441              | 565              | 328               | 305              | 177              | 240              | W. Va.             |
| 309                     | 355              | 262              | 379              | 214               | 91               | 67               | 85               | 1,228             | 1,271            | 872              | 951              | N. C.              |
| 161                     | 229              | 178              | 192              | 38                | 24               | 14               | 18               | 665               | 845              | 535              | 532              | S. C.              |
| 406                     | 484              | 308              | 427              | 188               | 72               | 51               | 52               | 1,784             | 2,071            | 1,300            | 1,494            | Ga.                |
| 116                     | 90               | 52               | 97               | 114               | 65               | 60               | 59               | 510               | 755              | 498              | 543              | Fla.               |
| 1,638                   | 2,031            | 1,569            | 2,048            | 2,498             | 1,318            | 1,185            | 1,414            | 6,439             | 6,907            | 4,435            | 4,025            | E. S. O.           |
| 410                     | 515              | 433              | 565              | 1,363             | 708              | 696              | 958              | 1,492             | 1,504            | 919              | 1,081            | Ky.                |
| 397                     | 495              | 416              | 539              | 795               | 364              | 290              | 343              | 1,388             | 1,832            | 1,009            | 1,064            | Tenn.              |
| 392                     | 491              | 363              | 438              | 143               | 82               | 66               | 66               | 1,267             | 1,497            | 827              | 962              | Ala.               |
| 430                     | 530              | 381              | 480              | 196               | 164              | 114              | 45               | 1,292             | 1,373            | 698              | 878              | Miss.              |
| 2,250                   | 2,896            | 1,780            | 2,664            | 2,194             | 2,909            | 2,339            | 4,855            | 7,092             | 5,758            | 3,451            | 4,087            | W. S. C.           |
| 426                     | 517              | 325              | 473              | 144               | 100              | 51               | 54               | 1,519             | 1,378            | 847              | 1,088            | Ark.               |
| 279                     | 218              | 116              | 245              | 178               | 130              | 100              | 107              | 1,528             | 851              | 518              | 460              | La.                |
| 331                     | 569              | 429              | 725              | 62                | 105              | 62               | 101              | 1,839             | 1,304            | 920              | 1,104            | Okla.              |
| 1,014                   | 1,002            | 800              | 1,120            | 1,800             | 2,573            | 3,137            | 4,503            | 2,336             | 2,226            | 1,166            | 1,375            | Tex.               |
| 514                     | 764              | 723              | 1,086            | 93,770            | 18,307           | 15,180           | 18,749           | 941               | 1,189            | 1,311            | 1,507            | Mountain.          |
| 78                      | 153              | 123              | 209              | 5,381             | 2,063            | 2,188            | 3,306            | 90                | 167              | 278              | 264              | Mont.              |
| 86                      | 143              | 171              | 213              | 3,010             | 2,356            | 1,746            | 2,073            | 178               | 240              | 278              | 375              | Idaho.             |
| 33                      | 42               | 30               | 87               | 5,397             | 1,860            | 2,507            | 3,131            | 34                | 72               | 100              | 138              | Wyo.               |
| 145                     | 224              | 192              | 292              | 1,426             | 1,813            | 2,244            | 2,746            | 179               | 450              | 498              | 509              | Colo.              |
| 51                      | 46               | 47               | 79               | 3,347             | 1,640            | 1,743            | 2,362            | 45                | 88               | 55               | 77               | N. Mex.            |
| 29                      | 30               | 41               | 44               | 1,227             | 882              | 1,164            | 1,267            | 17                | 50               | 19               | 17               | Ariz.              |
| 76                      | 81               | 88               | 115              | 1,827             | 1,692            | 2,355            | 2,730            | 64                | 99               | 64               | 98               | Utah.              |
| 17                      | 16               | 26               | 26               | 1,155             | 881              | 1,184            | 1,234            | 28                | 27               | 25               | 29               | Nev.               |
| 896                     | 1,180            | 1,349            | 1,384            | 5,588             | 5,696            | 5,839            | 5,317            | 1,180             | 1,441            | 945              | 1,122            | Pacific.           |
| 186                     | 200              | 319              | 225              | 476               | 824              | 516              | 542              | 206               | 265              | 198              | 228              | Wash.              |
| 173                     | 216              | 245              | 200              | 2,699             | 2,002            | 1,775            | 2,247            | 218               | 267              | 216              | 270              | Oreg.              |
| 467                     | 614              | 685              | 739              | 2,417             | 2,409            | 3,045            | 3,329            | 767               | 909              | 431              | 614              | Calif.             |

<sup>1</sup> Less than 500.<sup>2</sup> No estimate.

Source: 1910, 1920, and 1925, Bureau of the Census, Department of Commerce; 1928, Department of Agriculture.

**No. 572.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: By Age AND SEX, JANUARY 1, 1920 AND 1925**

| Class                                      | Number (thousands) |        | Class  | Number (thousands) |        |
|--|--------------------|--------|--|--------------------|--------|
|  | 1920               | 1925   |  | 1920               | 1925   |
| Horses, total.....                         | 19,767             | 16,401 | Cattle—Continued.  |                    |        |
| Colts under 3 years of age.....            | 2,532              | 1,098  | Dairy cattle—Continued.                                    |                    |        |
| Horses 3 years old and over.....           | 17,231             | 15,313 | Cows and heifers 2 years old and over.....                 | 19,675             | 17,045 |
| Mules, total.....                          | 5,439              | 5,305  | Bulls 1 year old and over.....                             | 772                | 691    |
| Colts under 3 years of age.....            | 781                | 876    |  |                    |        |
| Mules 3 years old and over.....            | 4,652              | 5,305  | Sheep, total.....  | 24,994             | 25,599 |
| Cattle, total.....                         | 66,649             | 60,760 | Lambs under 1 year of age.....                             | 8,695              | 9,198  |
| Beef cattle, total.....                    | 35,278             | 35,907 | Ewes 1 year old and over.....                              | 25,319             | 24,391 |
| Calves under 1 year of age.....            | 8,595              | 8,624  | Rams and wethers 1 year old and over.....                  | 2,206              | 1,804  |
| Heifers 1 year old and under 2 years.....  | 3,961              | 3,573  | Goats, total.....  | 3,469              | 3,370  |
| Cows and heifers 3 years old and over..... |                    | 14,909 | Swine, total.....  | 25,348             | 24,691 |
| Steers 1 year old and over.....            |                    | 6,908  | Pigs under 6 months old.....                               | 26,172             | 21,897 |
| Bulls 1 year old and over.....             | 725                | 748    | Bows and gilts, for breeding, 6 months old and over.....   | 11,616             | 8,987  |
| Dairy cattle, total.....                   | 21,361             | 25,708 | All other hogs 6 months old and over, including boars..... | 21,753             | 20,694 |
| Calves under 1 year of age.....            | 8,865              | 4,328  |  |                    |        |
| Heifers 1 year old and under 2 years.....  | 4,049              | 2,000  |  |                    |        |

<sup>1</sup> Figures include 14,545 horses, not classified by age or sex; 66,571 beef cattle; 225,225 sheep; and 4,425 swine.

**No. 573.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: NUMBER AVERAGES, AND RATIOS, APRIL 15, 1910, AND JANUARY 1, 1920 AND 1925,**

(NOTE.—See headnote Table 572)

| Item   | Horses     | Mules            | All cattle       | Dairy cows <sup>1</sup> | Sheep      | Goats     | Swine      |
|--|------------|------------------|------------------|-------------------------|------------|-----------|------------|
| Number:  |            |                  |                  |                         |            |           |            |
| 1910.....  | 19,833,112 | 4,309,769        | 61,808,868       | 17,125,471              | 52,447,801 | 2,915,125 | 68,185,676 |
| 1920.....  | 19,767,161 | 5,432,391        | 66,639,556       | 19,675,297              | 35,093,516 | 2,459,925 | 59,349,499 |
| 1925.....  | 16,400,623 | 5,080,897        | 60,760,366       | 17,644,867              | 35,590,159 | 2,370,218 | 50,853,526 |
| Increase, 1920-1925: <sup>2</sup>                    |            |                  |                  |                         |            |           |            |
| Number.....  | -3,366,538 | 248,506          | -5,879,190       | -2,030,430              | 555,643    | -88,707   | -8,492,973 |
| Per cent.....  | -17.0      | 4.6              | -8.8             | -10.3                   | 1.6        | -2.6      | -14.3      |
| Number of farms reporting:                           |            |                  |                  |                         |            |           |            |
| 1910.....  | 4,692,814  | 1,800,006        | 5,364,916        | 5,140,890               | 610,804    | 22,786    | 4,351,751  |
| 1920.....  | 4,704,235  | 2,359,746        | 5,358,243        | 4,461,298               | 538,503    | 107,367   | 4,880,907  |
| 1925.....  | 5,265,513  | ( <sup>3</sup> ) | ( <sup>3</sup> ) | 3,728,587               | 480,738    | 91,493    | 3,618,624  |
| Per cent of all farms:                               |            |                  |                  |                         |            |           |            |
| 1910.....  | 73.8       | 29.4             | 83.1             | 80.8                    | 9.4        | 1.3       | 63.4       |
| 1920.....  | 73.0       | 35.0             | 83.1             | 69.2                    | 8.4        | 1.7       | 75.2       |
| 1925.....  | 84.2       | ( <sup>3</sup> ) | ( <sup>3</sup> ) | 58.5                    | 7.8        | 1.4       | 66.6       |
| Average number per farm reporting:                   |            |                  |                  |                         |            |           |            |
| 1910.....  | 4.2        | 2.3              | 11.7             | 3.3                     | 85.9       | 35.2      | 12.4       |
| 1920.....  | 4.2        | 2.4              | 12.4             | 4.4                     | 68.0       | 32.3      | 12.2       |
| 1925.....  | 4.1        | ( <sup>3</sup> ) | ( <sup>3</sup> ) | 4.7                     | 32.6       | 36.9      | 14.1       |
| Average number per 1,000 acres of all land in farms: |            |                  |                  |                         |            |           |            |
| 1910.....  | 29         | 5                | 70               | 19                      | 80         | 3         | 66         |
| 1920.....  | 21         | 6                | 70               | 21                      | 37         | 4         | 62         |
| 1925.....  | 18         | 6                | 66               | 19                      | 39         | 4         | 55         |
| Average number per 1,000 acres of improved land:     |            |                  |                  |                         |            |           |            |
| 1910.....  | 41         | 9                | 129              | 36                      | 110        | 6         | 122        |
| 1920.....  | 39         | 11               | 132              | 39                      | 70         | 7         | 118        |
| Average value per head (dollars): <sup>4</sup>       |            |                  |                  |                         |            |           |            |
| 1910.....  | 105.06     | 124.80           | 24.26            | 27.06                   | 4.44       | 2.12      | 6.99       |
| 1920.....  | 90.16      | 142.45           | 54.80            | 76.62                   | 11.29      | 5.06      | 16.60      |
| 1925.....  | 61.07      | 79.13            | 33.24            | 51.73                   | 9.96       | 3.94      | 12.09      |

<sup>1</sup> Dairy cows 2 years old and over Jan. 1; figures for 1910 are estimated. The number of dairy cows actually reported in 1910 (1 year old and over Jan. 1) was 20,625,432.

<sup>2</sup> A minus sign (-) denotes decrease.

<sup>3</sup> Includes mules.

<sup>4</sup> Not available.

<sup>5</sup> Based on the number of farms reporting dairy cows and heifers born before Jan. 1, 1908.

Source of Tables 572 and 573: Bureau of the Census, Department of Commerce.

# No. 574.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT ALL REPORTING MARKETS AND PRINCIPAL INDIVIDUAL MARKETS

[ All figures in thousands ]

| Item and yearly average or year | Chi-<br>cago | Den-<br>ver      | East<br>St.<br>Louis | Fort<br>Worth    | Kan-<br>sas<br>City | Omaha | St.<br>Jo-<br>seph | St.<br>Paul | Sioux<br>City | Total,<br>9<br>mar-<br>kets | All<br>other<br>markets<br>report-<br>ing <sup>1</sup> | Total,<br>all<br>mar-<br>kets<br>re-<br>port-<br>ing <sup>1</sup> |
|---------------------------------|--------------|------------------|----------------------|------------------|---------------------|-------|--------------------|-------------|---------------|-----------------------------|--|---|
| <b>CATTLE AND CALVES</b>        |              |                  |                      |                  |                     |       |                    |             |               |                             |  |   |
| Receipts:                       |              |                  |                      |                  |                     |       |                    |             |               |                             |  |   |
| 1901-1905                       | 3,486        | 279              | 1,069                | 508              | 2,226               | 974   | 543                | 335         | 365           | 9,684                       |  |   |
| 1906-1910                       | 3,565        | 376              | 1,170                | 1,039            | 2,570               | 1,125 | 613                | 514         | 409           | 11,361                      |  |   |
| 1911-1915                       | 2,957        | 416              | 1,081                | 1,046            | 2,151               | 1,062 | 451                | 607         | 443           | 10,214                      |  |   |
| 1916-1920                       | 3,924        | 685              | 1,368                | 1,421            | 2,828               | 1,745 | 683                | 1,286       | 739           | 14,678                      | 7,893  | 22,571  |
| 1921-1925                       | 3,852        | 595              | 1,341                | 1,218            | 2,932               | 1,709 | 675                | 1,336       | 772           | 14,430                      | 8,366  | 22,796  |
| 1924                            | 3,997        | 630              | 1,385                | 1,392            | 3,043               | 1,863 | 720                | 1,323       | 836           | 15,189                      | 8,506  | 23,695  |
| 1925                            | 3,871        | 587              | 1,444                | 1,370            | 2,958               | 1,709 | 734                | 1,636       | 897           | 15,206                      | 8,861  | 24,067  |
| 1926                            | 4,012        | 529              | 1,526                | 1,185            | 2,617               | 1,815 | 679                | 1,910       | 969           | 15,242                      | 8,630  | 23,872  |
| 1927                            | 3,583        | 640              | 1,448                | 1,286            | 2,470               | 1,561 | 641                | 1,582       | 808           | 14,019                      | 8,744  | 22,763  |
| Shipments:                      |              |                  |                      |                  |                     |       |                    |             |               |                             |  |   |
| 1901-1905                       | 1,214        | ( <sup>1</sup> ) | 305                  | ( <sup>1</sup> ) | ( <sup>1</sup> )    | 296   | 128                | 239         | 244           | 2,426                       |  |   |
| 1906-1910                       | 1,377        | ( <sup>1</sup> ) | 365                  | ( <sup>1</sup> ) | ( <sup>1</sup> )    | 359   | 163                | 345         | 219           | 2,828                       |  |   |
| 1911-1915                       | 891          | ( <sup>1</sup> ) | 309                  | ( <sup>1</sup> ) | ( <sup>1</sup> )    | 445   | 154                | 357         | 241           | 2,776                       |  |   |
| 1916-1920                       | 1,017        | 538              | 393                  | 586              | 1,266               | 740   | 223                | 749         | 416           | 5,927                       | 3,538  | 9,465   |
| 1921-1925                       | 1,103        | 453              | 814                  | 429              | 1,421               | 729   | 232                | 475         | 411           | 6,068                       | 3,623  | 9,691   |
| 1926                            | 1,061        | 370              | 994                  | 423              | 1,139               | 650   | 186                | 612         | 448           | 5,883                       | 3,521  | 9,404   |
| 1927                            | 938          | 482              | 965                  | 445              | 1,112               | 548   | 165                | 439         | 360           | 5,454                       | 3,718  | 9,172   |
| <b>SHEEP</b>                    |              |                  |                      |                  |                     |       |                    |             |               |                             |  |   |
| Receipts:                       |              |                  |                      |                  |                     |       |                    |             |               |                             |  |   |
| 1901-1905                       | 4,477        | 453              | 581                  | 91               | 1,122               | 1,729 | 692                | 680         | 51            | 9,858                       |  |   |
| 1906-1910                       | 4,609        | 712              | 667                  | 136              | 1,665               | 2,292 | 673                | 605         | 83            | 11,443                      |  |   |
| 1911-1915                       | 5,317        | 694              | 874                  | 314              | 2,044               | 3,107 | 793                | 725         | 286           | 14,154                      |  |   |
| 1916-1920                       | 4,353        | 1,857            | 613                  | 404              | 1,711               | 3,251 | 832                | 665         | 404           | 14,090                      | 8,747  | 22,837  |
| 1921-1925                       | 4,173        | 1,918            | 575                  | 351              | 1,619               | 2,704 | 974                | 521         | 279           | 13,115                      | 9,457  | 22,572  |
| 1924                            | 4,192        | 2,040            | 489                  | 373              | 1,569               | 2,844 | 1,089              | 476         | 310           | 13,382                      | 8,819  | 22,201  |
| 1925                            | 3,969        | 2,357            | 559                  | 314              | 1,500               | 2,420 | 1,143              | 545         | 360           | 13,167                      | 8,933  | 22,100  |
| 1926                            | 4,405        | 1,826            | 636                  | 445              | 1,762               | 2,780 | 1,303              | 773         | 449           | 14,379                      | 9,480  | 23,868  |
| 1927                            | 3,829        | 1,908            | 574                  | 445              | 1,616               | 2,604 | 1,348              | 705         | 527           | 13,556                      | 10,383   | 23,939  |
| Shipments:                      |              |                  |                      |                  |                     |       |                    |             |               |                             |  |   |
| 1901-1905                       | 1,063        | ( <sup>1</sup> ) | 83                   | ( <sup>1</sup> ) | ( <sup>1</sup> )    | 831   | 188                | 522         | 25            | 2,712                       |  |   |
| 1906-1910                       | 1,228        | ( <sup>1</sup> ) | 102                  | ( <sup>1</sup> ) | ( <sup>1</sup> )    | 1,190 | 156                | 469         | 40            | 3,184                       |  |   |
| 1911-1915                       | 1,088        | ( <sup>1</sup> ) | 78                   | ( <sup>1</sup> ) | ( <sup>1</sup> )    | 1,412 | 183                | 534         | 76            | 3,656                       |  |   |
| 1916-1920                       | 1,076        | 1,684            | 98                   | 232              | 658                 | 1,703 | 233                | 472         | 191           | 6,347                       | 5,564  | 11,911  |
| 1921-1925                       | 1,306        | 1,746            | 215                  | 215              | 516                 | 1,129 | 228                | 205         | 90            | 5,649                       | 5,990  | 11,649  |
| 1926                            | 1,443        | 1,636            | 264                  | 240              | 564                 | 1,137 | 293                | 335         | 113           | 6,025                       | 6,425  | 12,450  |
| 1927                            | 1,038        | 1,720            | 206                  | 221              | 492                 | 1,114 | 303                | 261         | 152           | 5,507                       | 6,975  | 12,482  |
| <b>SWINE</b>                    |              |                  |                      |                  |                     |       |                    |             |               |                             |  |   |
| Receipts:                       |              |                  |                      |                  |                     |       |                    |             |               |                             |  |   |
| 1901-1905                       | 7,695        | 139              | 1,761                | 244              | 2,540               | 2,297 | 1,812              | 756         | 1,078         | 18,273                      |  |   |
| 1906-1910                       | 6,963        | 229              | 2,215                | 630              | 2,899               | 2,220 | 1,845              | 884         | 1,190         | 19,075                      |  |   |
| 1911-1915                       | 7,225        | 258              | 2,678                | 465              | 2,611               | 2,540 | 1,837              | 1,379       | 1,520         | 20,512                      |  |   |
| 1916-1920                       | 8,234        | 382              | 3,214                | 759              | 2,838               | 3,046 | 2,102              | 2,220       | 2,239         | 25,034                      | 17,518   | 42,552  |
| 1921-1925                       | 9,041        | 452              | 3,972                | 416              | 2,695               | 3,297 | 2,042              | 3,092       | 2,742         | 27,749                      | 20,219   | 47,968  |
| 1924                            | 10,443       | 569              | 4,580                | 392              | 2,933               | 3,978 | 2,234              | 3,751       | 3,732         | 32,612                      | 22,802   | 55,414  |
| 1925                            | 7,996        | 467              | 3,512                | 312              | 2,067               | 3,355 | 1,673              | 3,637       | 3,396         | 26,415                      | 17,514   | 43,929  |
| 1926                            | 7,093        | 497              | 3,536                | 217              | 2,036               | 2,647 | 1,462              | 3,451       | 2,475         | 23,414                      | 16,358   | 39,772  |
| 1927                            | 7,724        | 457              | 3,710                | 338              | 1,904               | 2,631 | 1,425              | 3,105       | 2,322         | 23,616                      | 17,796   | 41,411  |
| Shipments:                      |              |                  |                      |                  |                     |       |                    |             |               |                             |  |   |
| 1901-1905                       | 1,489        | ( <sup>1</sup> ) | 324                  | ( <sup>1</sup> ) | ( <sup>1</sup> )    | 131   | 98                 | 48          | 340           | 2,430                       |  |   |
| 1906-1910                       | 1,638        | ( <sup>1</sup> ) | 711                  | ( <sup>1</sup> ) | ( <sup>1</sup> )    | 218   | 68                 | 135         | 198           | 2,968                       |  |   |
| 1911-1915                       | 1,439        | ( <sup>1</sup> ) | 891                  | ( <sup>1</sup> ) | ( <sup>1</sup> )    | 393   | 121                | 424         | 419           | 3,786                       |  |   |
| 1916-1920                       | 1,271        | 26               | 1,244                | 139              | 478                 | 754   | 201                | 827         | 884           | 5,823                       | 7,894  | 13,717  |
| 1921-1925                       | 2,355        | 77               | 2,559                | 72               | 772                 | 797   | 437                | 650         | 1,076         | 8,795                       | 8,335  | 17,131  |
| 1926                            | 2,108        | 133              | 2,483                | 13               | 593                 | 962   | 310                | 880         | 931           | 8,413                       | 6,760  | 15,173  |
| 1927                            | 2,113        | 124              | 2,624                | 21               | 510                 | 698   | 297                | 927         | 693           | 8,007                       | 7,036  | 15,043  |
| <b>HORSES AND MULES</b>         |              |                  |                      |                  |                     |       |                    |             |               |                             |  |   |
| Receipts:                       |              |                  |                      |                  |                     |       |                    |             |               |                             |  |   |
| 1901-1905                       | 109          | 18               | 145                  | 13               | 75                  | 45    | 25                 | 9           | 14            | 449                         |  |   |
| 1906-1910                       | 99           | 14               | 129                  | 21               | 65                  | 38    | 26                 | 8           | 16            | 416                         |  |   |
| 1911-1915                       | 112          | 28               | 182                  | 49               | 86                  | 34    | 36                 | 7           | 14            | 547                         |  |   |
| 1916-1920                       | 98           | 26               | 236                  | 76               | 98                  | 25    | 35                 | 10          | 22            | 626                         | 568  | 1,193   |
| 1921-1925                       | 26           | 25               | 79                   | 36               | 36                  | 12    | 13                 | 4           | 12            | 243                         | 206  | 449   |
| 1925                            | 18           | 44               | 65                   | 34               | 34                  | 15    | 9                  | 5           | 18            | 242                         | 226  | 468   |
| 1926                            | 18           | 29               | 53                   | 27               | 29                  | 17    | 9                  | 10          | 19            | 211                         | 180  | 391   |
| 1927                            | 16           | 27               | 69                   | 43               | 44                  | 16    | 8                  | 11          | 13            | 247                         | 202  | 449   |

<sup>1</sup> Figures not available prior to 1915.<sup>2</sup> Total represents about 70 markets.

Source: Bureau of Agricultural Economics, Department of Agriculture.

**No. 575.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT NINE MARKETS**

[All figures in thousands. Markets covered are those named in Table 574]

| Year | Cattle and calves |           | Sheep    |           | Swine    |           | Horses and mules |
|------|-------------------|-----------|----------|-----------|----------|-----------|------------------|
|      | Receipts          | Shipments | Receipts | Shipments | Receipts | Shipments | Receipts         |
| 1905 | 10,909            | 2,833     | 11,391   | 3,404     | 19,262   | 2,057     | 508              |
| 1906 | 11,143            | 2,750     | 11,716   | 3,427     | 18,939   | 2,722     | 490              |
| 1907 | 11,564            | 2,906     | 10,742   | 2,965     | 19,251   | 3,014     | 413              |
| 1908 | 11,022            | 2,757     | 10,583   | 2,838     | 22,677   | 3,439     | 363              |
| 1909 | 11,504            | 2,784     | 11,046   | 2,522     | 18,926   | 3,197     | 393              |
| 1910 | 11,570            | 2,885     | 13,126   | 4,170     | 15,582   | 2,409     | 412              |
| 1911 | 10,790            | 2,724     | 14,327   | 3,713     | 20,720   | 3,229     | 515              |
| 1912 | 10,426            | 2,418     | 14,797   | 3,235     | 20,382   | 3,576     | 481              |
| 1913 | 10,329            | 2,484     | 14,986   | 3,947     | 20,576   | 3,815     | 482              |
| 1914 | 9,466             | 2,173     | 14,372   | 3,337     | 19,044   | 3,525     | 478              |
| 1915 | 10,057            | 4,081     | 12,288   | 4,050     | 21,840   | 4,784     | 780              |
| 1916 | 11,920            | 4,755     | 13,479   | 5,103     | 26,781   | 5,864     | 810              |
| 1917 | 15,034            | 5,822     | 12,484   | 5,955     | 22,380   | 5,473     | 756              |
| 1918 | 16,781            | 6,405     | 14,060   | 6,518     | 28,607   | 5,624     | 600              |
| 1919 | 15,932            | 6,713     | 16,847   | 7,850     | 26,237   | 5,817     | 557              |
| 1920 | 13,725            | 5,948     | 13,591   | 6,311     | 23,187   | 6,338     | 401              |
| 1921 | 12,160            | 5,350     | 13,580   | 5,297     | 22,798   | 6,983     | 198              |
| 1922 | 14,590            | 6,677     | 12,253   | 5,484     | 24,601   | 7,056     | 342              |
| 1923 | 15,013            | 6,484     | 12,192   | 5,879     | 32,320   | 9,897     | 302              |
| 1924 | 15,189            | 6,119     | 13,382   | 5,972     | 32,612   | 11,040    | 245              |
| 1925 | 15,206            | 5,709     | 12,167   | 5,615     | 26,415   | 9,300     | 242              |
| 1926 | 15,242            | 5,883     | 14,379   | 6,025     | 23,414   | 8,413     | 211              |
| 1927 | 14,019            | 5,454     | 13,556   | 5,507     | 23,616   | 8,007     | 247              |

**No. 576.—DOMESTIC ANIMALS: RECEIPTS AND STOCKER AND FEEDER SHIPMENTS AT ALL PUBLIC MARKETS**

[All figures in thousands]

| Item                         | 1922-1926, average | 1921   | 1922   | 1923   | 1924   | 1925   | 1926   | 1927   |
|------------------------------|--------------------|--------|--------|--------|--------|--------|--------|--------|
| <b>Cattle and calves:</b>    |                    |        |        |        |        |        |        |        |
| Receipts                     | 22,570             | 19,787 | 23,218 | 23,211 | 23,095 | 24,628 | 23,872 | 22,763 |
| Stocker and feeder shipments | 4,610              | 3,504  | 4,904  | 4,583  | 3,966  | 3,828  | 3,712  | 3,615  |
| <b>Sheep</b>                 |                    |        |        |        |        |        |        |        |
| Receipts                     | 22,837             | 24,108 | 22,364 | 22,025 | 22,201 | 22,100 | 23,008 | 22,939 |
| Stocker and feeder shipments | 5,014              | 3,095  | 4,167  | 4,478  | 4,679  | 4,332  | 4,632  | 4,902  |
| <b>Swine:</b>                |                    |        |        |        |        |        |        |        |
| Receipts                     | 42,562             | 41,101 | 44,067 | 55,320 | 55,414 | 43,929 | 36,772 | 41,411 |
| Stocker and feeder shipments | 720                | 499    | 503    | 820    | 497    | 632    | 917    | 922    |

**No. 577.—DOMESTIC ANIMALS: RECEIPTS AT CHICAGO, EAST ST. LOUIS, KANSAS CITY, AND OMAHA, BY MONTHS**

[All figures in thousands]

| Class and yearly average or year | Total  | Jan   | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug   | Sept. | Oct.  | Nov.  | Dec.  |
|----------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>Cattle and calves</b>         |        |       |       |       |       |       |       |       |       |       |       |       |       |
| 1911-1915                        | 7,251  | 602   | 462   | 509   | 480   | 483   | 511   | 537   | 659   | 814   | 908   | 679   | 601   |
| 1916-1920                        | 9,865  | 804   | 627   | 643   | 634   | 652   | 655   | 765   | 864   | 1,080 | 1,214 | 1,080 | 941   |
| 1921-1925                        | 9,824  | 778   | 608   | 691   | 684   | 725   | 710   | 756   | 963   | 1,051 | 1,203 | 919   | 777   |
| 1925                             | 9,981  | 769   | 623   | 767   | 692   | 676   | 715   | 870   | 980   | 974   | 1,172 | 923   | 622   |
| 1926                             | 9,967  | 732   | 633   | 752   | 657   | 719   | 800   | 768   | 934   | 1,119 | 1,124 | 997   | 732   |
| 1927                             | 9,067  | 750   | 619   | 646   | 611   | 764   | 697   | 628   | 922   | 823   | 1,062 | 862   | 637   |
| <b>Sheep</b>                     |        |       |       |       |       |       |       |       |       |       |       |       |       |
| 1911-1915                        | 11,342 | 893   | 764   | 788   | 726   | 668   | 689   | 767   | 1,002 | 1,572 | 1,654 | 978   | 842   |
| 1916-1920                        | 9,929  | 740   | 616   | 616   | 556   | 551   | 611   | 782   | 1,056 | 1,486 | 1,306 | 858   | 789   |
| 1921-1925                        | 9,070  | 751   | 636   | 704   | 643   | 647   | 645   | 696   | 899   | 1,130 | 1,032 | 616   | 669   |
| 1925                             | 8,444  | 596   | 619   | 727   | 655   | 630   | 612   | 687   | 867   | 1,060 | 821   | 512   | 668   |
| 1926                             | 9,579  | 665   | 666   | 851   | 623   | 584   | 714   | 680   | 1,008 | 1,436 | 1,016 | 638   | 696   |
| 1927                             | 8,625  | 699   | 595   | 641   | 545   | 669   | 651   | 624   | 983   | 1,114 | 922   | 570   | 602   |
| <b>Swine</b>                     |        |       |       |       |       |       |       |       |       |       |       |       |       |
| 1911-1915                        | 15,053 | 1,593 | 1,439 | 1,347 | 1,158 | 1,292 | 1,294 | 1,077 | 934   | 689   | 1,084 | 1,315 | 1,640 |
| 1916-1920                        | 17,343 | 2,145 | 1,774 | 1,621 | 1,337 | 1,495 | 1,353 | 1,195 | 968   | 828   | 1,142 | 1,568 | 1,884 |
| 1921-1925                        | 19,005 | 2,157 | 1,813 | 1,584 | 1,410 | 1,325 | 1,618 | 1,404 | 1,280 | 1,176 | 1,400 | 1,677 | 1,902 |
| 1925                             | 16,982 | 2,401 | 1,821 | 1,339 | 1,204 | 1,271 | 1,468 | 1,128 | 1,029 | 1,008 | 1,201 | 1,356 | 1,617 |
| 1926                             | 15,310 | 1,615 | 1,324 | 1,446 | 1,219 | 1,314 | 1,265 | 1,152 | 1,173 | 1,047 | 1,076 | 1,325 | 1,454 |
| 1927                             | 13,968 | 1,062 | 1,200 | 1,515 | 1,160 | 1,484 | 1,564 | 1,233 | 1,299 | 621   | 1,013 | 1,295 | 1,473 |

Source of Tables 575, 576, and 577: Bureau of Agricultural Economics, Department of Agriculture.

### No. 578.—DOMESTIC ANIMALS: AVERAGE FARM PRICE AND AVERAGE CHICAGO MARKET PRICE<sup>1</sup> BY CALENDAR YEARS

[Milk cows dollars per head; others in dollars per 100 pounds, live weight]

| Yearly average or year | Milk cows on farms, per head | Beef Cattle |         | Calves |         | Sheep |         | Lambs |         | Hogs  |         |
|------------------------|------------------------------|-------------|---------|--------|---------|-------|---------|-------|---------|-------|---------|
|                        |                              | Farm        | Chicago | Farm   | Chicago | Farm  | Chicago | Farm  | Chicago | Farm  | Chicago |
| 1911-1913.....         | 52.33                        | 5.55        | 7.90    | 7.00   | 9.44    | 4.00  | 5.13    | 6.02  | 7.57    | 6.93  | 7.00    |
| 1916-1920.....         | 79.47                        | 8.45        | 12.87   | 11.06  | 14.42   | 8.95  | 10.25   | 11.86 | 15.04   | 11.88 | 14.78   |
| 1921-1925.....         | 56.29                        | 5.68        | 9.23    | 8.11   | 9.50    | 6.33  | 7.02    | 10.08 | 13.53   | 8.37  | 9.04    |
| 1914.....              | 59.34                        | 6.24        | 8.65    | 7.33   | 10.10   | 4.79  | 5.56    | 6.31  | 7.99    | 7.57  | 8.30    |
| 1915.....              | 58.25                        | 6.01        | 8.43    | 7.63   | 10.08   | 5.27  | 6.26    | 6.85  | 9.65    | 6.50  | 7.10    |
| 1916.....              | 60.95                        | 6.48        | 9.33    | 8.35   | 10.96   | 6.29  | 7.82    | 8.19  | 10.77   | 8.20  | 9.00    |
| 1917.....              | 71.86                        | 8.14        | 11.67   | 10.51  | 13.78   | 9.45  | 11.04   | 12.23 | 15.68   | 13.59 | 15.10   |
| 1918.....              | 83.07                        | 9.45        | 14.60   | 11.91  | 15.92   | 10.95 | 12.44   | 13.98 | 16.98   | 15.92 | 17.45   |
| 1919.....              | 91.96                        | 9.72        | 15.45   | 12.76  | 16.83   | 9.63  | 10.47   | 12.68 | 16.31   | 16.23 | 17.65   |
| 1920.....              | 89.51                        | 8.47        | 13.32   | 11.80  | 14.56   | 8.51  | 11.94   | 15.47 | 13.02   | 13.01 | 14.91   |
| 1921.....              | 59.10                        | 5.52        | 8.16    | 7.81   | 9.36    | 4.65  | 5.13    | 7.20  | 9.86    | 7.84  | 8.51    |
| 1922.....              | 63.56                        | 5.42        | 8.82    | 7.68   | 9.15    | 5.96  | 7.15    | 9.70  | 13.88   | 8.40  | 9.23    |
| 1923.....              | 55.43                        | 5.50        | 9.50    | 7.90   | 9.42    | 6.65  | 7.10    | 10.50 | 13.88   | 7.13  | 7.66    |
| 1924.....              | 55.48                        | 5.60        | 9.49    | 8.12   | 9.08    | 6.81  | 7.57    | 10.72 | 14.57   | 7.48  | 8.11    |
| 1925.....              | 57.87                        | 6.26        | 10.19   | 8.85   | 10.47   | 7.70  | 8.16    | 12.29 | 15.66   | 11.00 | 11.81   |
| 1926.....              | 63.51                        | 6.46        | 9.46    | 9.61   | 11.61   | 7.43  | 7.25    | 11.57 | 14.26   | 11.80 | 12.34   |
| 1927.....              | 74.19                        | 7.24        | 12.10   | 10.16  | 12.53   | 7.26  | 7.04    | 11.39 | 14.12   | 9.68  | 9.95    |

<sup>1</sup> Prices are simple averages of monthly average prices, except the average for hogs at Chicago, which is a weighted average.

Source: Bureau of Agricultural Economics, Department of Agriculture.

### No. 579.—DOMESTIC ANIMALS: MONTHLY AVERAGE PRICES AT CHICAGO

[In dollars per 100 pounds, live weight]

| Class and Year                        | Jan   | Feb.  | Mar   | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct   | Nov.  | Dec.  | Average <sup>1</sup> |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| <b>Good beef steers</b>               |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| 1922.....                             | 7.37  | 7.60  | 8.01  | 7.94  | 8.20  | 8.63  | 9.48  | 9.62  | 9.98  | 10.53 | 9.42  | 8.89  | 8.82                 |
| 1923.....                             | 9.17  | 8.86  | 8.83  | 9.01  | 9.41  | 9.94  | 10.06 | 10.48 | 10.12 | 9.90  | 9.36  | 8.92  | 9.50                 |
| 1924.....                             | 9.14  | 9.33  | 9.59  | 9.83  | 9.83  | 9.53  | 9.91  | 9.54  | 9.47  | 9.57  | 9.18  | 8.98  | 9.49                 |
| 1925.....                             | 9.28  | 9.54  | 10.06 | 10.12 | 10.03 | 10.28 | 11.29 | 11.26 | 10.73 | 10.28 | 9.74  | 9.71  | 10.19                |
| 1926.....                             | 9.59  | 9.50  | 9.46  | 9.22  | 9.12  | 9.59  | 9.40  | 9.33  | 9.85  | 9.47  | 9.34  | 9.60  | 9.46                 |
| 1927.....                             | 9.68  | 10.28 | 10.77 | 11.42 | 11.49 | 11.65 | 12.34 | 12.33 | 13.34 | 14.12 | 14.20 | 13.37 | 12.10                |
| <b>Calves</b>                         |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| 1922.....                             | 8.36  | 9.16  | 8.26  | 6.97  | 8.46  | 8.69  | 8.90  | 10.88 | 11.92 | 9.65  | 8.91  | 9.42  | 9.15                 |
| 1923.....                             | 10.06 | 10.63 | 9.32  | 8.68  | 9.51  | 9.31  | 10.01 | 9.96  | 9.39  | 7.82  | 8.60  | 9.42  | 9.42                 |
| 1924.....                             | 10.16 | 9.82  | 9.24  | 8.57  | 8.44  | 8.00  | 8.57  | 9.62  | 9.72  | 9.24  | 8.28  | 9.04  | 9.08                 |
| 1925.....                             | 9.82  | 10.92 | 10.35 | 8.76  | 8.79  | 8.87  | 10.91 | 11.94 | 12.18 | 11.19 | 10.60 | 11.30 | 10.47                |
| 1926.....                             | 12.18 | 12.43 | 12.06 | 9.91  | 11.04 | 11.09 | 11.38 | 12.46 | 12.59 | 11.80 | 11.09 | 11.31 | 11.61                |
| 1927.....                             | 12.20 | 12.40 | 11.54 | 10.90 | 11.07 | 11.68 | 12.66 | 13.95 | 14.96 | 13.84 | 12.80 | 12.38 | 12.53                |
| <b>Sheep, native and western</b>      |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| 1922.....                             | 7.26  | 8.28  | 9.17  | 9.33  | 7.35  | 5.59  | 6.12  | 5.63  | 6.05  | 6.25  | 7.48  | 7.28  | 7.15                 |
| 1923.....                             | 7.72  | 8.06  | 8.64  | 8.90  | 6.74  | 5.00  | 5.16  | 7.09  | 7.29  | 6.35  | 6.60  | 7.37  | 7.10                 |
| 1924.....                             | 8.16  | 9.12  | 10.50 | 10.21 | 8.11  | 5.82  | 5.46  | 6.18  | 5.46  | 6.00  | 6.62  | 8.45  | 7.57                 |
| 1925.....                             | 10.23 | 9.69  | 9.22  | 7.64  | 7.96  | 4.25  | 7.48  | 6.83  | 6.95  | 7.64  | 8.16  | 9.57  | 8.16                 |
| 1926.....                             | 9.72  | 9.18  | 8.82  | 8.87  | 7.97  | 5.85  | 5.97  | 6.25  | 6.12  | 5.88  | 5.86  | 7.25  | 7.25                 |
| 1927.....                             | 6.94  | 8.03  | 8.88  | 9.62  | 7.44  | 5.88  | 6.25  | 6.47  | 6.14  | 6.00  | 6.40  | 6.41  | 7.04                 |
| <b>Lambs, fat native and western:</b> |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| 1922.....                             | 12.67 | 14.49 | 15.39 | 14.10 | 12.96 | 12.42 | 13.04 | 12.51 | 13.53 | 13.94 | 14.17 | 14.93 | 13.68                |
| 1923.....                             | 14.69 | 14.85 | 14.56 | 14.42 | 14.12 | 14.81 | 14.22 | 12.89 | 13.82 | 12.93 | 12.75 | 12.96 | 13.89                |
| 1924.....                             | 13.53 | 14.95 | 16.06 | 16.72 | 15.23 | 14.12 | 13.79 | 13.57 | 13.38 | 13.52 | 14.03 | 16.47 | 14.57                |
| 1925.....                             | 16.28 | 17.59 | 16.28 | 14.85 | 13.06 | 15.66 | 15.11 | 14.86 | 15.19 | 15.30 | 15.44 | 16.15 | 15.66                |
| 1926.....                             | 15.28 | 13.78 | 13.48 | 14.38 | 15.30 | 16.66 | 14.31 | 14.20 | 14.05 | 13.88 | 13.25 | 12.57 | 14.26                |
| 1927.....                             | 12.64 | 13.28 | 15.27 | 15.87 | 14.75 | 15.66 | 14.25 | 13.66 | 13.46 | 13.70 | 13.80 | 13.14 | 14.12                |
| <b>Hogs, all classes:</b>             |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| 1922.....                             | 8.02  | 9.90  | 10.43 | 10.31 | 10.46 | 10.33 | 9.70  | 8.61  | 8.75  | 8.80  | 8.07  | 8.18  | 9.23                 |
| 1923.....                             | 8.29  | 8.02  | 8.18  | 8.06  | 7.53  | 8.92  | 7.04  | 7.66  | 8.35  | 7.42  | 6.85  | 6.57  | 7.55                 |
| 1924.....                             | 7.10  | 7.06  | 7.15  | 7.36  | 7.24  | 7.04  | 7.68  | 9.28  | 9.57  | 9.91  | 8.97  | 9.38  | 8.11                 |
| 1925.....                             | 10.38 | 11.06 | 13.55 | 12.56 | 12.06 | 12.57 | 13.46 | 12.66 | 12.52 | 11.31 | 11.28 | 10.97 | 11.81                |
| 1926.....                             | 12.02 | 12.45 | 12.20 | 12.23 | 13.55 | 14.01 | 12.51 | 11.48 | 12.69 | 12.72 | 11.80 | 11.57 | 12.34                |
| 1927.....                             | 11.96 | 11.73 | 11.28 | 10.69 | 9.59  | 8.78  | 9.06  | 9.03  | 10.22 | 10.39 | 8.92  | 8.32  | 9.95                 |

<sup>1</sup> Simple averages of monthly average prices, except the average for hogs, which is a weighted average.

Source: Bureau of Agricultural Economics, Department of Agriculture.

**No. 580.—WHOLESALE PRICES OF MEATS AND ANIMAL PRODUCTS**

(Note.—All prices are in cents per pound except for eggs which are in cents per dozen and milk in cents per quart)

[Relative prices based on 1913=100]

| Yearly average or year | Beef, native sides, New York         |       | Steers, good to choice, Chicago |       | Hams, smoked, Chicago           |       | Pork, short, clear sides, Chicago |       | Lard, prime contract, New York |       | Hogs, heavy, Chicago          |       | Mutton, dressed, New York |       |
|------------------------|--------------------------------------|-------|---------------------------------|-------|---------------------------------|-------|-----------------------------------|-------|--------------------------------|-------|-------------------------------|-------|---------------------------|-------|
|                        | Price                                | Index | Price                           | Index | Price                           | Index | Price                             | Index | Price                          | Index | Price                         | Index | Price                     | Index |
| 1891-1895              | 7.8                                  | 62.8  | 4.78                            | 58.1  | 10.5                            | 63.4  | 7.8                               | 61.7  | 7.7                            | 70.6  | 5.08                          | 60.6  | 7.6                       | 74.3  |
| 1896-1900              | 7.7                                  | 62.1  | 4.94                            | 58.0  | 9.1                             | 55.2  | 6.9                               | 48.6  | 5.4                            | 49.2  | 3.98                          | 47.5  | 7.1                       | 68.9  |
| 1901-1905              | 8.3                                  | 66.5  | 5.52                            | 64.9  | 11.3                            | 68.3  | 8.9                               | 70.0  | 8.9                            | 78.0  | 5.89                          | 70.3  | 7.6                       | 74.0  |
| 1906-1910              | 9.1                                  | 73.0  | 6.13                            | 72.0  | 13.2                            | 79.5  | 10.5                              | 83.2  | 10.2                           | 83.3  | 6.93                          | 82.7  | 9.1                       | 88.8  |
| 1911-1915              | 12.1                                 | 96.6  | 8.28                            | 97.2  | 15.3                            | 92.5  | 11.6                              | 91.1  | 10.0                           | 91.4  | 7.64                          | 91.3  | 9.4                       | 91.7  |
| 1916-1920              | 18.5                                 | 148.0 | 14.16                           | 166.4 | 28.6                            | 172.4 | 23.4                              | 184.3 | 21.9                           | 179.2 | 15.07                         | 180.1 | 16.4                      | 159.7 |
| 1921-1925              | 14.8                                 | 118.3 | 9.70                            | 114.0 | 24.3                            | 146.4 | 15.3                              | 119.6 | 13.0                           | 118.0 | 9.26                          | 110.7 | 12.6                      | 123.3 |
| 1922                   | 13.8                                 | 110.1 | 9.44                            | 110.9 | 26.4                            | 159.1 | 14.1                              | 110.3 | 11.5                           | 104.3 | 9.39                          | 112.3 | 12.0                      | 116.7 |
| 1923                   | 14.5                                 | 116.1 | 9.95                            | 117.0 | 21.2                            | 127.8 | 12.0                              | 94.0  | 12.3                           | 111.5 | 7.69                          | 91.9  | 11.9                      | 116.2 |
| 1924                   | 15.1                                 | 120.4 | 9.67                            | 113.7 | 20.2                            | 121.5 | 14.4                              | 112.9 | 13.3                           | 120.9 | 8.49                          | 101.5 | 14.5                      | 141.7 |
| 1925                   | 15.9                                 | 126.8 | 10.60                           | 125.3 | 27.1                            | 163.0 | 22.3                              | 175.1 | 16.8                           | 152.2 | 12.25                         | 146.4 | 14.4                      | 140.5 |
| 1926                   | 15.1                                 | 120.3 | 9.53                            | 112.0 | 30.8                            | 185.1 | 20.1                              | 157.5 | 15.0                           | 136.3 | 12.34                         | 147.5 | 14.4                      | 140.7 |
| 1927                   | 17.7                                 | 141.6 | 12.69                           | 149.1 | 24.6                            | 148.0 | 18.7                              | 146.7 | 12.9                           | 116.7 | 10.14                         | 121.2 | 14.1                      | 137.8 |
| Year ending            | Carcase, good native steers, Chicago |       | Pork, fresh loins, Chicago      |       | Poultry, dressed fowls, Chicago |       | Butter, creamery, extra, New York |       | Cheese, whole milk, New York   |       | Eggs, firsts, fresh, New York |       | Milk, fresh, New York     |       |
|                        | Price                                | Index | Price                           | Index | Price                           | Index | Price                             | Index | Price                          | Index | Price                         | Index | Price                     | Index |
| 1891-1895              |                                      |       |                                 |       |                                 |       | 24.7                              | 76.4  | 10.3                           | 66.0  | 20.8                          | 63.7  | 3.3                       | 74.7  |
| 1896-1900              |                                      |       |                                 |       |                                 |       | 20.1                              | 62.4  | 9.8                            | 63.6  | 18.5                          | 56.6  | 3.2                       | 70.4  |
| 1901-1905              |                                      |       |                                 |       |                                 |       | 23.3                              | 72.4  | 11.2                           | 72.5  | 24.6                          | 75.2  | 3.4                       | 78.0  |
| 1906-1910              | 11.0                                 | 85.0  |                                 |       |                                 |       | 27.9                              | 86.6  | 14.3                           | 92.8  | 29.2                          | 89.2  | 4.0                       | 90.1  |
| 1911-1915              | 12.8                                 | 98.8  |                                 |       |                                 |       | 30.0                              | 93.1  | 15.2                           | 98.8  | 28.0                          | 100.5 | 4.2                       | 96.0  |
| 1916-1920              | 19.8                                 | 153.0 |                                 |       |                                 |       | 50.1                              | 155.2 | 25.6                           | 166.9 | 45.6                          | 183.1 | 7.1                       | 160.4 |
| 1921-1925              | 16.4                                 | 126.9 | 21.2                            | 142.6 | 25.0                            | 172.6 | 43.8                              | 135.7 | 21.7                           | 141.0 | 37.2                          | 149.4 | 7.4                       | 166.2 |
| 1922                   | 15.0                                 | 115.9 | 21.4                            | 143.9 | 24.7                            | 170.9 | 40.8                              | 125.8 | 21.8                           | 141.3 | 34.7                          | 139.3 | 7.3                       | 164.3 |
| 1923                   | 15.8                                 | 122.1 | 18.0                            | 120.8 | 24.5                            | 169.2 | 46.8                              | 145.2 | 24.1                           | 156.7 | 34.7                          | 139.2 | 7.6                       | 171.6 |
| 1924                   | 17.1                                 | 131.8 | 19.2                            | 129.1 | 24.9                            | 172.1 | 42.7                              | 132.5 | 19.2                           | 124.6 | 36.4                          | 146.3 | 6.8                       | 153.7 |
| 1925                   | 18.0                                 | 139.2 | 25.0                            | 168.2 | 24.5                            | 169.4 | 45.4                              | 140.6 | 23.1                           | 150.0 | 39.8                          | 159.8 | 7.6                       | 172.5 |
| 1926                   | 16.4                                 | 126.8 | 27.8                            | 187.1 | 27.1                            | 187.1 | 44.3                              | 137.5 | 22.7                           | 147.4 | 35.6                          | 142.8 | 7.7                       | 173.8 |
| 1927                   | 18.6                                 | 143.0 | 24.0                            | 161.6 | 23.2                            | 160.6 | 47.3                              | 140.0 | 24.9                           | 161.3 | 32.0                          | 128.4 | 7.9                       | 178.6 |

1 "Poultry feed" prior to 1923

2 "New laid, fair to fancy, near-by" to and including 1912 and "firsts, fresh gathered" since. The absolute prices are not comparable but the index numbers are closely comparable

3 Average for 3 years, 1908 to 1910

Source: Bureau of Labor Statistics, Department of Labor

**No. 581. FARM PRICES OF LIVESTOCK AND ANIMAL PRODUCTS**

(Note: Prices represent weighted averages for the entire country. Annual averages are weighted according to volume marketed each month. Market year ends in July for cattle, October for hogs, May for lambs, June for chickens, and March for eggs. Quotations are as of the 15th of each month. All prices are in cents per pound except for eggs which are in cents per dozen)

| Year ending    | Market year |       |       |          |      | Calendar year |       |                |        |
|----------------|-------------|-------|-------|----------|------|---------------|-------|----------------|--------|
|                | Beef cattle | Hogs  | Lambs | Chickens | Eggs | Veal calves   | Sheep | Wool, unwashed | Butter |
| 1912           | 4.69        | 6.43  | 5.28  | 10.4     | 18.2 | 6.45          | 4.24  | 18.1           | 25.7   |
| 1913           | 5.60        | 7.39  | 5.96  | 11.2     | 18.9 | 7.48          | 4.55  | 16.4           | 26.7   |
| 1914           | 6.12        | 7.60  | 6.03  | 12.0     | 19.8 | 7.83          | 4.79  | 17.7           | 25.1   |
| 1915           | 6.12        | 6.69  | 6.49  | 11.5     | 19.3 | 7.83          | 5.27  | 22.8           | 25.7   |
| 1916           | 6.24        | 7.61  | 7.38  | 12.0     | 19.0 | 8.35          | 6.20  | 27.9           | 28.0   |
| 1917           | 7.31        | 12.10 | 9.50  | 14.6     | 23.3 | 10.51         | 9.45  | 47.8           | 35.9   |
| 1918           | 8.92        | 15.78 | 13.60 | 18.4     | 33.0 | 11.91         | 10.95 | 57.9           | 42.7   |
| 1919           | 9.85        | 16.60 | 13.65 | 23.0     | 34.9 | 12.76         | 9.63  | 50.3           | 50.3   |
| 1920           | 9.00        | 13.43 | 13.05 | 24.2     | 41.8 | 11.80         | 8.51  | 39.1           | 54.3   |
| 1921           | 6.76        | 8.52  | 9.11  | 22.8     | 39.3 | 7.81          | 4.65  | 16.4           | 37.0   |
| 1922           | 5.18        | 8.10  | 7.83  | 19.3     | 25.1 | 7.68          | 5.96  | 29.8           | 35.3   |
| 1923           | 5.55        | 7.34  | 10.50 | 18.2     | 24.7 | 7.99          | 6.65  | 38.9           | 40.4   |
| 1924           | 5.57        | 7.06  | 10.54 | 18.3     | 25.2 | 8.12          | 6.81  | 36.9           | 39.4   |
| 1925           | 5.88        | 10.40 | 11.45 | 19.2     | 29.1 | 8.85          | 7.70  | 38.5           | 40.7   |
| 1926           | 6.40        | 11.03 | 11.98 | 20.7     | 28.3 | 9.61          | 7.43  | 32.5           | 41.1   |
| 1927           | 6.67        | 10.21 | 11.36 | 20.7     | 27.5 | 10.16         | 7.26  | 30.7           | 42.3   |
| December, 1927 | 6.32        | 8.11  | 11.39 | 19.2     | 43.3 | 10.71         | 7.39  | 32.0           | 45.7   |

Source: Bureau of Agricultural Economics, Department of Agriculture.



# No. 582.—MEATS: PRODUCTION, EXPORTS, IMPORTS, AND ESTIMATED CONSUMPTION, AND NUMBER OF ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION

(NOTE.—All figures except per capita in millions of pounds. Uninspected slaughter is a rough estimate based on ratios established at the census of 1909 and revised after the publication of more accurate data from census and other sources. The edible offal (liver, pluck, etc.) is disregarded. Figures of consumption beginning with 1916 include differences between quantities in storage at beginning and end of year.)

| Yearly average or year<br>(calendar)          | Production <sup>1</sup> |                        |                                      | Exports | Imports<br>(less re-<br>exports) | Consumption          |                           |
|---|-------------------------|------------------------|--------------------------------------|---------|----------------------------------|----------------------|---------------------------|
|   | Esti-<br>mated<br>total | Federally<br>inspected | Unin-<br>spected<br>(esti-<br>mated) |         |                                  | Estimat-<br>ed total | Per<br>capita<br>(pounds) |
| <b>All meat (excluding lard) <sup>1</sup></b> |                         |                        |                                      |         |                                  |                      |                           |
| 1907-1910                                     | 14,450                  | 8,516                  | 5,943                                | 780     |                                  | 13,601               | 151.3                     |
| 1911-1915                                     | 13,600                  | 8,450                  | 5,351                                | 684     | <sup>2</sup> 163                 | 13,000               | 135.6                     |
| 1916-1920                                     | 15,296                  | 10,140                 | 5,156                                | 1,062   | 79                               | 14,344               | 120.0                     |
| 1921-1925                                     | 16,852                  | 11,030                 | 5,822                                | 794     | 38                               | 15,962               | 143.1                     |
| 1925  | 17,867                  | 11,837                 | 6,030                                | 777     | 34                               | 17,012               | 149.6                     |
| 1926  | 17,005                  | 11,179                 | 5,826                                | 592     | 30                               | 16,505               | 143.6                     |
| 1927  | 17,245                  | 11,354                 | 5,891                                | 465     | 59                               | 16,729               | 142.8                     |
| 1927  | 16,872                  | 11,272                 | 5,000                                | 352     | 114                              | 16,526               | 139.3                     |
| <b>Beef</b>                                   |                         |                        |                                      |         |                                  |                      |                           |
| 1907-1910                                     | 6,805                   | 4,101                  | 2,704                                | 214     |                                  | 6,596                | 73.8                      |
| 1911-1915                                     | 5,924                   | 3,745                  | 2,179                                | 134     | <sup>2</sup> 14                  | 5,827                | 69.4                      |
| 1916-1920                                     | 6,663                   | 4,828                  | 1,835                                | 361     | 54                               | 6,296                | 69.7                      |
| 1921-1925                                     | 6,791                   | 4,619                  | 2,172                                | 44      | 23                               | 6,765                | 61.1                      |
| 1925  | 7,146                   | 4,935                  | 2,211                                | 30      | 17                               | 7,166                | 62.1                      |
| 1926  | 7,458                   | 5,223                  | 2,235                                | 38      | 41                               | 7,429                | 63.4                      |
| 1927  | 6,826                   | 4,783                  | 2,043                                | 34      | 82                               | 6,844                | 58.0                      |
| <b>Veal</b>                                   |                         |                        |                                      |         |                                  |                      |                           |
| 1907-1910                                     | 600                     | 219                    | 442                                  |         |                                  | 600                  | 7.3                       |
| 1911-1915                                     | 534                     | 193                    | 341                                  |         | <sup>2</sup> 3                   | 535                  | 5.5                       |
| 1916-1920                                     | 714                     | 271                    | 301                                  |         | 3                                | 717                  | 6.9                       |
| 1921-1925                                     | 808                     | 319                    | 419                                  |         | 4                                | 872                  | 7.9                       |
| 1925  | 900                     | 330                    | 430                                  |         | 4                                | 904                  | 8.3                       |
| 1927  | 867                     | 493                    | 374                                  |         | 8                                | 874                  | 7.4                       |
| <b>Mutton and lamb:</b>                       |                         |                        |                                      |         |                                  |                      |                           |
| 1907-1910                                     | 580                     | 446                    | 134                                  | 2       |                                  | 578                  | 6.4                       |
| 1911-1915                                     | 715                     | 556                    | 160                                  | 6       | <sup>2</sup> 16                  | 715                  | 7.4                       |
| 1916-1920                                     | 542                     | 419                    | 123                                  | 5       | 18                               | 533                  | 5.3                       |
| 1921-1925                                     | 584                     | 456                    | 128                                  | 4       | 8                                | 580                  | 5.3                       |
| 1925  | 590                     | 467                    | 122                                  | 4       | 2                                | 597                  | 5.2                       |
| 1926  | 643                     | 501                    | 142                                  | 2       | 2                                | 641                  | 5.5                       |
| 1927  | 645                     | 502                    | 143                                  | 2       | 3                                | 645                  | 5.4                       |
| <b>Pork (excluding lard):</b>                 |                         |                        |                                      |         |                                  |                      |                           |
| 1907-1910                                     | 6,316                   | 2,906                  | 2,509                                | 514     |                                  | 5,719                | 63.6                      |
| 1911-1915                                     | 6,625                   | 2,961                  | 2,664                                | 540     | <sup>2</sup> 13                  | 6,001                | 62.2                      |
| 1916-1920                                     | 7,333                   | 4,565                  | 2,768                                | 1,207   | 4                                | 5,794                | 55.9                      |
| 1921-1925                                     | 8,607                   | 5,506                  | 3,101                                | 746     | 4                                | 7,754                | 69.4                      |
| 1925  | 8,255                   | 5,285                  | 3,020                                | 540     | 8                                | 7,794                | 67.6                      |
| 1926  | 8,181                   | 5,099                  | 3,082                                | 425     | 12                               | 7,699                | 65.7                      |
| 1927  | 8,533                   | 5,495                  | 3,038                                | 316     | 21                               | 8,120                | 65.7                      |
| <b>Lard</b>                                   |                         |                        |                                      |         |                                  |                      |                           |
| 1907-1910                                     | 1,582                   | 940                    | 642                                  | 506     |                                  | 1,076                | 12.0                      |
| 1911-1915                                     | 1,682                   | 1,006                  | 676                                  | 542     |                                  | 1,141                | 11.8                      |
| 1916-1920                                     | 1,809                   | 1,196                  | 699                                  | 566     |                                  | 1,329                | 12.8                      |
| 1921-1925                                     | 2,445                   | 1,660                  | 785                                  | 696     |                                  | 1,552                | 13.0                      |
| 1925  | 2,324                   | 1,513                  | 811                                  | 733     |                                  | 1,584                | 13.5                      |
| 1927  | 2,356                   | 1,577                  | 799                                  | 717     |                                  | 1,634                | 13.8                      |

## NUMBER OF ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION (THOUSANDS)

| Year      | Cattle | Calves | Sheep  | Goats | Swine  | Year | Cattle | Calves | Sheep  | Goats | Swine  |
|-----------|--------|--------|--------|-------|--------|------|--------|--------|--------|-------|--------|
| 1907-1910 | 7,609  | 2,102  | 10,827 | 75    | 32,234 | 1918 | 11,329 | 3,455  | 10,320 | 138   | 41,214 |
| 1911-1915 | 7,162  | 1,978  | 13,969 | 103   | 34,459 | 1919 | 10,001 | 3,060  | 12,601 | 87    | 41,612 |
| 1916-1920 | 9,838  | 3,359  | 11,056 | 126   | 39,608 | 1920 | 8,600  | 4,058  | 10,982 | 42    | 33,019 |
| 1921-1925 | 8,979  | 4,556  | 11,691 | 26    | 46,269 | 1921 | 7,608  | 3,808  | 13,005 | 12    | 38,982 |
| 1912      | 7,253  | 2,278  | 14,979 | 73    | 33,053 | 1922 | 8,678  | 4,182  | 10,929 | 21    | 43,114 |
| 1913      | 6,978  | 1,992  | 14,406 | 76    | 34,199 | 1923 | 9,103  | 4,500  | 11,529 | 27    | 53,334 |
| 1914      | 6,757  | 1,697  | 14,229 | 176   | 32,532 | 1924 | 9,563  | 4,935  | 11,901 | 33    | 52,873 |
| 1915      | 7,153  | 1,619  | 12,212 | 153   | 38,781 | 1925 | 9,653  | 5,353  | 12,001 | 30    | 43,043 |
| 1916      | 8,310  | 2,367  | 11,941 | 199   | 43,084 | 1926 | 10,180 | 5,153  | 12,961 |       | 40,636 |
| 1917      | 10,350 | 3,143  | 9,345  | 166   | 33,910 | 1927 | 9,520  | 4,876  | 12,683 |       | 43,633 |

<sup>1</sup> All meat includes small quantities of goat meat.

<sup>2</sup> Three-year average.

<sup>3</sup> Two-year average

<sup>4</sup> Includes lambs.

Source: Bureau of Animal Industry, Department of Agriculture.

### No. 583.—LIVESTOCK PRODUCTS OF FARMS: SUMMARY OF CENSUS STATISTICS FOR THE UNITED STATES

| Product                      | Unit | Quantity (thousands) |           |           |                  | Value (thousands of dollars) |           |                  |
|------------------------------|------|----------------------|-----------|-----------|------------------|------------------------------|-----------|------------------|
|                              |      | 1909                 | 1909      | 1919      | 1924             | 1909                         | 1919      | 1924             |
| <b>Total value.....</b>      |      |                      |           |           |                  | 1,177,973                    | 2,694,644 | 3,345,319        |
| <b>Dairy products.....</b>   |      |                      |           |           |                  | 596,413                      | 1,481,452 | 1,204,774        |
| Butter made on farms.....    | Lb   | 1,071,626            | 994,651   | 707,666   | 642,805          | 222,861                      | 346,354   | 228,139          |
| Cheese made on farms.....    | do   | 16,372               | 9,400     | 6,371     | ( <sup>1</sup> ) | 1,149                        | 2,368     | ( <sup>1</sup> ) |
| Whole milk sold.....         | Gal  | 2,134,830            | 1,937,256 | 2,529,331 | 2,006,612        | 252,437                      | 717,380   | 556,200          |
| Cream sold.....              | do   | 20,769               | 54,934    | 82,348    | 45,736           | 37,655                       | 111,906   | 62,060           |
| Butterfat sold.....          | Lb   |                      | 305,663   | 532,244   | 1,001,062        | 82,312                       | 362,552   | 415,311          |
| <b>Wool and mohair.....</b>  |      |                      |           |           |                  | 66,374                       | 124,007   | 98,122           |
| Wool produced.....           | Lb   | 277,539              | 293,199   | 235,604   | 286,531          | 65,472                       | 121,418   | 88,636           |
| Mohair produced.....         | do   | 276,568              | 289,420   | 228,796   | 237,105          | 902                          | 3,589     | 4,491            |
| <b>Poultry products.....</b> |      |                      |           |           |                  | 509,195                      | 1,047,195 | 901,319          |
| Eggs produced.....           | Doz  | 1,293,662            | 1,591,311 | 1,654,045 | 1,913,245        | 303,099                      | 661,063   | 571,938          |
| Fowls raised.....            | No.  | 250,624              | 488,468   | 473,201   | 345,848          | 202,506                      | 386,112   | 419,351          |
| <b>Honey and wax.....</b>    |      |                      |           |           |                  | 5,992                        | 14,280    | ( <sup>1</sup> ) |
| Honey produced.....          | Lb   | 61,099               | 54,815    | 55,224    | ( <sup>1</sup> ) | 5,763                        | 12,969    | ( <sup>1</sup> ) |
| Wax produced.....            | do   | 1,784                | 905       | 821       | ( <sup>1</sup> ) | 239                          | 291       | ( <sup>1</sup> ) |

<sup>1</sup> Not reported.<sup>2</sup> Figures include estimates for incomplete reports, as where a farmer reported sheep but no wool production, or chickens but no egg production.<sup>3</sup> The 1919 and 1924 figures represent only chicken eggs and chickens raised, respectively.

Source: Bureau of the Census, Department of Commerce.

### No. 584.—CHEESE: CENSUS STATISTICS OF PRODUCTION IN THE UNITED STATES AND IN LEADING STATES

[NOTE.—All figures in thousands of pounds. All States shown separately which produced over 1,000,000 pounds in any census year. Total production in factories only: 1904, 317,145,000 pounds; 1914, 379,279,000 pounds; 1921, 423,390,000 pounds]

| State                        | Total <sup>1,2</sup> |         | On farms <sup>1</sup> |       | In factories <sup>1,2</sup> |         |         |         |
|------------------------------|----------------------|---------|-----------------------|-------|-----------------------------|---------|---------|---------|
|                              | 1909                 | 1919    | 1909                  | 1919  | 1909                        | 1919    | 1921    | 1925    |
| <b>Total.....</b>            | 230,638              | 478,941 | 8,406                 | 6,371 | 311,196                     | 472,569 | 562,640 | 566,346 |
| California.....              | 4,346                | 12,065  | 2,778                 | 2,346 | 1,568                       | 9,709   | 9,093   | 16,131  |
| Colorado.....                | 621                  | 1,320   | 70                    | 167   | 551                         | 1,163   | 1,638   | 1,986   |
| Idaho.....                   | <sup>3</sup> 91      | 2,655   | 91                    | 32    | ( <sup>4</sup> )            | 2,623   | 4,627   | 8,561   |
| Illinois.....                | 4,861                | 4,989   | 83                    | 118   | 4,799                       | 4,851   | 7,308   | 11,471  |
| Indiana.....                 | 488                  | 378     | 64                    | 100   | 426                         | 260     | 408     | 1,428   |
| Iowa.....                    | 1,078                | 1,099   | 79                    | 53    | 1,000                       | 1,016   | 773     | 1,167   |
| Kansas.....                  | <sup>1</sup> 28      | 55      | 28                    | 20    | ( <sup>4</sup> )            | 26      | 111     | 391     |
| Michigan.....                | 12,673               | 12,934  | 291                   | 77    | 12,382                      | 12,857  | 11,154  | 13,730  |
| Minnesota.....               | 2,842                | 10,188  | 106                   | 72    | 2,736                       | 10,116  | 9,311   | 11,076  |
| Missouri.....                | 379                  | 279     | 160                   | 96    | 219                         | 189     | 1,058   | 1,909   |
| New York.....                | 105,585              | 89,479  | 390                   | 521   | 105,196                     | 88,958  | 76,129  | 68,227  |
| Ohio.....                    | 12,474               | 5,655   | 613                   | 434   | 11,861                      | 5,221   | 6,686   | 6,161   |
| Oregon.....                  | 4,388                | 9,468   | 169                   | 44    | 4,219                       | 9,424   | 11,888  | 11,568  |
| Pennsylvania.....            | 12,677               | 15,971  | 1,443                 | 532   | 11,234                      | 15,439  | 14,841  | 13,370  |
| Utah.....                    | 1,144                | 1,145   | 84                    | 74    | 1,060                       | 1,071   | 2,260   | 1,784   |
| Vermont.....                 | 3,000                | 4,963   | 246                   | 76    | 2,753                       | 4,908   | 3,607   | 2,168   |
| Washington.....              | 475                  | 2,378   | 53                    | 86    | 422                         | 2,291   | 4,773   | 5,907   |
| Wisconsin.....               | 148,907              | 299,014 | 641                   | 308   | 148,066                     | 298,706 | 392,349 | 370,116 |
| Wyoming.....                 | <sup>4</sup> 10      | 1,509   | 10                    | 7     | ( <sup>4</sup> )            | 1,502   | 1,791   | 1,919   |
| <b>All other States.....</b> | 3,437                | 4,438   | 1,809                 | 1,217 | 1,626                       | 3,221   | 3,862   | 6,330   |

<sup>1</sup> Includes data for soft cheese, such as cottage, pot, and bakers.<sup>2</sup> The figures are exclusive of the small amount of cheese made as an incidental product in establishments engaged primarily in the manufacture of products other than butter, cheese, or condensed milk.<sup>3</sup> Excludes cheese made in factories which is included in "All other States."<sup>4</sup> Included in "All other States" to avoid disclosing operations of individual establishments.

Source: Bureau of the Census, Department of Commerce.

## No. 585.—MILK AND BUTTER: CENSUS STATISTICS, BY STATES

[NOTE.—United States butter production (pounds)—Total: 1879, 793,721,000; 1889, 1,206,508,000 In factories: 1909, 624,765,000; 1914, 769,810,000; 1921, 1,118,204,000; 1923, 1,303,490,000 On farms: 1919, 707,666,000]

| Division and State   | Milk produced, total including estimates (thousands of gallons) |           |           | Milk sold by farmers (thousands of gallons) |           | Butter made (thousands of pounds) |                    |          |                                      |
|----------------------|---|-----------|-----------|---|-----------|-----------------------------------|--------------------|----------|--------------------------------------|
|                      | 1909  | 1919      | 1924      | 1919  | 1924      | 1909, total <sup>1</sup>          | 1924               |          | 1925, in factories only <sup>1</sup> |
|                      |   |           |           |   |           |                                   | Total <sup>2</sup> | On farms |                                      |
| United States..      | 7,400,400   | 7,905,144 | 9,190,304 | 3,332,331                                   | 2,846,512 | 1,410,415                         | 2,087,091          | 643,808  | 1,444,283                            |
| New England..        | 400,648   | 365,839   | 402,795   | 208,464                                     | 205,540   | (?)                               | * 31,364           | 18,186   | (?)                                  |
| Maine                | 69,794  | 77,677    | 70,949    | 28,191                                      | 18,289    | 15,405                            | 9,581              | 9,241    | 340                                  |
| New Hampshire        | 44,461  | 42,556    | 38,149    | 23,043                                      | 21,027    | 6,803                             | 2,573              | 2,470    | 103                                  |
| Vermont              | 122,919   | 122,090   | 127,957   | 55,319                                      | 40,357    | 35,393                            | 13,821             | 3,402    | 10,419                               |
| Massachusetts        | 90,438  | 76,316    | 86,575    | 55,677                                      | 65,849    | 5,257                             | 3,663              | 1,456    | 2,207                                |
| Rhode Island         | 12,178  | 12,089    | 13,504    | 9,314                                       | 11,392    | (?)                               | 132                | 132      | —                                    |
| Connecticut          | 59,829  | 54,694    | 65,631    | 36,920                                      | 48,627    | 5,449                             | * 1,494            | 1,494    | (?)                                  |
| Middle Atlantic      | 1,372,849   | 1,346,168 | 1,364,602 | 679,964                                     | 633,181   | 185,299                           | * 63,624           | 53,548   | (?)                                  |
| New York             | 783,479   | 756,046   | 741,963   | 573,162                                     | 552,804   | 69,350                            | 40,627             | 22,106   | 18,521                               |
| New Jersey           | 80,606  | 70,491    | 76,245    | 46,377                                      | 40,908    | 4,391                             | * 945              | 945      | (?)                                  |
| Pennsylvania         | 411,735   | 421,631   | 446,273   | 250,445                                     | 269,469   | 91,642                            | 41,952             | 30,494   | 11,458                               |
| East North Central   | 1,980,108   | 2,244,880 | 2,614,917 | 948,481                                     | 920,804   | 434,136                           | 531,172            | 87,897   | 443,275                              |
| Ohio                 | 362,070   | 396,316   | 425,834   | 139,094                                     | 159,816   | 81,060                            | 107,930            | 23,309   | 84,621                               |
| Indiana              | 216,658   | 238,794   | 270,903   | 45,167                                      | 60,062    | 54,894                            | 68,512             | 14,172   | 54,340                               |
| Illinois             | 395,934   | 370,467   | 433,133   | 159,579                                     | 198,557   | 71,181                            | 85,066             | 22,889   | 62,177                               |
| Michigan             | 352,858   | 382,823   | 424,236   | 130,864                                     | 144,911   | 55,917                            | 91,879             | 20,350   | 71,529                               |
| Wisconsin            | 667,498   | 658,250   | 1,058,751 | 473,817                                     | 353,649   | 131,085                           | 177,785            | 7,172    | 170,613                              |
| West North Central   | 1,731,479   | 1,718,410 | 1,978,079 | 129,308                                     | 167,103   | 444,724                           | 613,700            | 194,119  | 601,581                              |
| Minnesota            | 409,191   | 475,507   | 663,638   | 43,152                                      | 50,829    | 123,552                           | 283,975            | 16,825   | 267,150                              |
| Iowa                 | 489,564   | 361,426   | 515,909   | 31,356                                      | 35,379    | 127,262                           | 191,513            | 23,328   | 168,185                              |
| Missouri             | 220,959   | 228,908   | 273,956   | 17,901                                      | 30,297    | 52,367                            | 87,873             | 25,937   | 61,936                               |
| North Dakota         | 100,559   | 138,607   | 199,037   | 3,047                                       | 3,038     | 20,098                            | 47,180             | 14,773   | 32,407                               |
| South Dakota         | 117,215   | 124,425   | 172,968   | 2,696                                       | 5,145     | 23,125                            | 40,026             | 10,926   | 29,100                               |
| Nebraska             | 196,306   | 168,083   | 197,601   | 10,182                                      | 13,676    | 49,960                            | 98,678             | 15,027   | 83,651                               |
| Kansas               | 217,888   | 221,454   | 251,969   | 20,969                                      | 28,539    | 46,300                            | 66,455             | 17,293   | 49,162                               |
| South Atlantic       | 617,876   | 617,739   | 567,946   | 81,964                                      | 120,946   | (?)                               | * 118,316          | 106,097  | (?)                                  |
| Delaware             | 10,962  | 11,356    | 13,037    | 5,976                                       | 5,532     | 2,190                             | * 512              | 812      | (?)                                  |
| Maryland             | 59,736  | 58,754    | 74,043    | 29,843                                      | 42,983    | 9,856                             | 6,000              | 5,255    | 745                                  |
| District of Columbia | 611   | 512       | 481       | 129   | 439       | 6                                 | 5                  | 5        | —                                    |
| Virginia             | 104,391   | 110,942   | 127,447   | 17,009                                      | 24,241    | 20,810                            | 28,261             | 24,232   | 4,029                                |
| West Virginia        | 75,694  | 73,690    | 76,621    | 6,779                                       | 10,425    | (?)                               | 16,744             | 16,055   | 689                                  |
| North Carolina       | 96,999  | 95,748    | 106,152   | 7,060                                       | 11,222    | 26,080                            | 26,795             | 25,360   | 1,435                                |
| South Carolina       | 50,274  | 52,955    | 49,682    | 2,871                                       | 3,214     | 12,330                            | 12,857             | 12,556   | 301                                  |
| Georgia              | 100,210   | 101,616   | 98,822    | 7,390                                       | 11,319    | 27,324                            | * 22,277           | 22,277   | (?)                                  |
| Florida              | 12,532  | 12,156    | 19,265    | 3,307                                       | 8,571     | 1,705                             | 1,544              | 1,544    | —                                    |
| East South Central   | 482,682   | 456,949   | 490,613   | 32,603                                      | 47,641    | (?)                               | 140,638            | 107,250  | 33,379                               |
| Kentucky             | 140,983   | 146,561   | 165,921   | 12,469                                      | 17,495    | 38,681                            | 42,969             | 29,585   | 13,384                               |
| Tennessee            | 129,454   | 130,286   | 148,759   | 9,831                                       | 15,591    | 39,828                            | 44,770             | 32,461   | 12,309                               |
| Alabama              | 97,854  | 93,904    | 95,365    | 6,409                                       | 7,126     | (?)                               | 28,868             | 27,705   | 1,163                                |
| Mississippi          | 96,227  | 88,192    | 89,567    | 4,004                                       | 7,326     | 26,731                            | 24,011             | 18,498   | 5,513                                |
| West South Central   | 521,986   | 459,371   | 588,777   | 36,906                                      | 64,559    | (?)                               | 140,539            | 109,151  | 31,388                               |
| Arkansas             | 97,932  | 87,624    | 96,769    | 4,332                                       | 5,756     | 30,268                            | 24,906             | 23,902   | 944                                  |
| Louisiana            | 48,244  | 32,973    | 37,870    | 5,234                                       | 10,935    | (?)                               | 4,319              | 4,319    | —                                    |
| Oklahoma             | 134,291   | 135,821   | 177,597   | 7,782                                       | 12,358    | 31,167                            | 41,501             | 25,519   | 15,982                               |
| Texas                | 240,286   | 202,954   | 274,541   | 19,360                                      | 35,502    | 67,127                            | 69,813             | 55,351   | 14,462                               |
| Mountain             | 174,404   | 260,412   | 362,481   | 47,891                                      | 64,558    | (?)                               | 98,769             | 21,709   | 68,063                               |
| Montana              | 26,437  | 51,251    | 73,183    | 5,102                                       | 6,175     | 4,128                             | 20,158             | 5,416    | 14,742                               |
| Idaho                | 30,961  | 52,365    | 78,505    | 6,303                                       | 8,805     | 5,900                             | 20,108             | 3,662    | 16,446                               |
| Wyoming              | 9,744   | 14,543    | 24,318    | 2,145                                       | 2,112     | 1,976                             | 3,971              | 1,760    | 2,211                                |
| Colorado             | 51,679  | 79,493    | 96,649    | 16,067                                      | 17,703    | 12,305                            | 24,245             | 5,245    | 19,000                               |
| New Mexico           | 10,959  | 12,738    | 19,027    | 1,626                                       | 3,967     | (?)                               | 2,041              | 1,707    | 334                                  |
| Arizona              | 11,227  | 14,371    | 18,416    | 6,707                                       | 6,825     | 1,330                             | 2,589              | 761      | 1,828                                |
| Utah                 | 26,306  | 29,340    | 40,847    | 9,061                                       | 7,507     | 6,220                             | 10,905             | 2,913    | 7,992                                |
| Nevada               | 6,543   | 6,312     | 11,483    | 801   | 1,734     | 1,444                             | 2,754              | 244      | 2,510                                |
| Pacific              | 362,405   | 508,794   | 622,873   | 164,398                                     | 201,385   | 84,789                            | 139,374            | 12,835   | 126,539                              |
| Washington           | 92,185  | 140,525   | 169,846   | 63,575                                      | 45,819    | 18,064                            | 34,469             | 5,090    | 29,379                               |
| Oregon               | 71,952  | 92,845    | 112,218   | 22,878                                      | 25,598    | 14,141                            | 26,804             | 3,901    | 22,903                               |
| California           | 229,469   | 276,424   | 340,809   | 77,939                                      | 130,468   | 52,585                            | 78,101             | 3,844    | 74,257                               |

<sup>1</sup> Figures given are exclusive of small amounts of butter made as an incidental product in establishments engaged primarily in the manufacture of products other than butter, cheese, or condensed milk.

<sup>2</sup> Includes butter made on farms in 1924 and in factories in 1925.

<sup>3</sup> Not shown separately, as to do so would disclose individual operations.

<sup>4</sup> Excludes butter made in factories.

Source: Bureau of the Census, Department of Commerce.

## No. 586.—DAIRY PRODUCTS: FACTORY PRODUCTION BY DETAINED CLASSES

(Note.—In thousands of pounds. These data are in part estimated.)

| Manufactured product                          | 1921      | 1922      | 1923      | 1924      | 1925      | 1926<br>(prel.) |
|---|-----------|-----------|-----------|-----------|-----------|-----------------|
| Creamery butter .....                         | 1,054,938 | 1,153,515 | 1,252,214 | 1,358,080 | 1,361,526 | 1,451,766       |
| Whey butter (made from whey cream) ..         | 2,178     | 2,291     | 1,904     | 1,865     | 3,774     | 2,872           |
| Renovated or process butter .....             | 5,877     | 4,448     | 2,802     | 2,818     | 2,519     | 2,505           |
| American cheese (whole milk) .....            | 261,727   | 282,806   | 308,108   | 324,695   | 347,240   | 335,915         |
| American cheese (part skim) .....             | 1,455     | 2,164     | 2,145     | 2,470     | 2,703     | 2,927           |
| American cheese (full skim) .....             | 1,733     | 2,500     | 2,033     | 1,605     | 3,208     | 1,394           |
| Swiss cheese (including block) .....          | 22,678    | 19,983    | 24,565    | 21,844    | 23,457    | 20,863          |
| Brick and Munster cheese .....                | 42,073    | 37,194    | 33,259    | 32,052    | 34,101    | 31,048          |
| Limbarger cheese .....                        | 7,035     | 7,383     | 7,100     | 9,734     | 9,163     | 9,639           |
| Cottage, pot, and bakers' cheese .....        | 27,316    | 32,389    | 35,827    | 54,347    | 59,485    | 67,977          |
| Cream and Neufchâtel cheese .....             | 9,279     | 9,896     | 10,354    | 14,945    | 17,573    | 18,193          |
| All Italian varieties of cheese .....         | 3,793     | 2,627     | 2,132     | 1,973     | 1,562     | 2,423           |
| All other varieties of cheese .....           | 6,065     | 4,387     | 5,040     | 4,622     | 4,325     | 5,003           |
| Sweetened condensed milk .....                |           |           |           |           |           |                 |
| Skimmed .....                                 | 69,912    | 79,964    | 104,984   | 98,625    | 117,333   | 148,771         |
| Unskimmed .....                               | 222,309   | 260,748   | 240,916   | 234,710   | 231,565   | 210,681         |
| Unsweetened evaporated milk .....             |           |           |           |           |           |                 |
| Skimmed .....                                 | 70,525    | 70,640    | 84,451    | 94,686    | 92,948    | 124,743         |
| Unskimmed .....                               | 1,101,317 | 1,019,997 | 1,244,528 | 1,272,337 | 1,316,012 | 1,245,309       |
| Sterilized milk (canned same as condensed) .. | 5,074     | 330       | 80        | 498       | 1,576     | 1,299           |
| Condensed or evaporated buttermilk .....      | 29,314    | 44,343    | 54,833    | 66,837    | 77,079    | 96,687          |
| Dried or powdered buttermilk .....            | 7,708     | 9,007     | 13,032    | 18,058    | 20,246    | 31,378          |
| Powdered whole milk .....                     | 4,242     | 5,599     | 6,560     | 7,887     | 8,931     | 10,786          |
| Powdered skimmed milk .....                   | 38,545    | 40,617    | 62,261    | 69,219    | 73,317    | 91,712          |
| Powdered cream .....                          | 130       | 118       | 328       | 1,018     | 339       | 333             |
| Dried casein (skim-milk product) .....        | 8,066     | 6,907     | 14,500    | 20,683    | 16,468    | 16,403          |
| Dried casein (buttermilk product) .....       | 10        | 20        | 48        | 76        | 192       | 69              |
| Malted milk .....                             | 15,652    | 13,659    | 15,331    | 15,889    | 18,050    | 20,473          |
| Milk sugar (crude) .....                      | 2,890     | 2,191     | 2,872     | 3,331     | 3,655     | 6,476           |
| Ice cream of all kinds <sup>1</sup> .....     | 147,949   | 161,809   | 183,412   | 181,364   | 214,382   | 215,246         |

<sup>1</sup> Production of ice cream shown in thousands of gallons.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 587.—MILK: PRODUCTION AND USES IN THE UNITED STATES (ESTIMATES)

| Purpose for which milk is used     | 1925            |                        |                                |                      | 1926 (prel.)    |                        |                                |                      |
|------------------------------------|-----------------|------------------------|--------------------------------|----------------------|-----------------|------------------------|--------------------------------|----------------------|
|                                    | Whole milk used | Per cent of total milk | Milk used per pound of product | Product manufactured | Whole milk used | Per cent of total milk | Milk used per pound of product | Product manufactured |
|                                    | Million pounds  |                        | Pounds                         | Million pounds       | Million pounds  |                        | Pounds                         | Million pounds       |
| Butter .....                       |                 |                        |                                |                      |                 |                        |                                |                      |
| Creamery .....                     | 28,592          | 24.541                 | 21                             | 1,362                | 30,487          | 25.245                 | 21                             | 1,452                |
| Farm .....                         | 12,390          | 10.635                 | 21                             | 590                  | 12,915          | 10.694                 | 21                             | 615                  |
| Cheese, all kinds .....            | 4,475           | 3.841                  | 10                             | 448                  | 4,274           | 3.530                  | 10                             | 427                  |
| Milk: .....                        |                 |                        |                                |                      |                 |                        |                                |                      |
| Condensed and evaporated .....     | 4,395           | 3.772                  | 2.5                            | 1,758                | 4,334           | 3.589                  | 2.5                            | 1,734                |
| Powdered .....                     | 71              | .081                   | 8                              | 9                    | 87              | .071                   | 8                              | 11                   |
| Malted .....                       | 40              | .034                   | 2.2                            | 18                   | 46              | .038                   | 2.2                            | 21                   |
| Sterilized, canned .....           | 2               | .002                   | 1                              | 2                    | 1               | .001                   | 1                              | 1                    |
| Chocolate .....                    | 229             | .196                   |                                |                      | 173             | .142                   |                                |                      |
| Cream, powdered .....              | 6               | .006                   | 19                             | ( <sup>1</sup> )     | 6               | .006                   | 19                             | ( <sup>1</sup> )     |
| Ice cream .....                    | 4,435           | 3.809                  | 13.75                          | 323                  | 4,464           | 3.696                  | 13.75                          | 326                  |
| Total milk for manufacture .....   | 54,637          | 46.897                 |                                |                      | 56,785          | 47.020                 |                                |                      |
| Milk used otherwise: .....         |                 |                        |                                |                      |                 |                        |                                |                      |
| Household purposes .....           | 54,326          | 46.629                 |                                |                      | 56,417          | 46.716                 |                                |                      |
| Fed to calves .....                | 4,047           | 3.474                  |                                |                      | 3,942           | 3.264                  |                                |                      |
| Waste, loss, and unspecified ..... | 3,495           | 3.000                  |                                |                      | 3,623           | 3.000                  |                                |                      |
| Total milk produced .....          | 116,505         | 100.000                |                                |                      | 120,766         | 100.000                |                                |                      |

<sup>1</sup> Less than 500,000 pounds.<sup>2</sup> Milk used per gallon of ice cream.<sup>3</sup> Millions of gallons.

Source: Bureau of Agricultural Economics, Department of Agriculture.

# No. 588.—BUTTER AND CHEESE: PRODUCTION, GROSS RECEIPTS AT FIVE PRINCIPAL MARKETS, AND COLD-STORAGE HOLDINGS

[NOTE.—All figures in thousands of pounds. Cheese production relates to the grade "American" (whole milk) only, receipts to all kinds]

| Product and market                              | 1913-1922,<br>average | 1922      | 1923      | 1924      | 1925      | 1926      | 1927      |
|---|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>BUTTER</b>                                   |                       |           |           |           |           |           |           |
| Production, creamery.....                       | 1,951,664             | 1,153,515 | 1,252,214 | 1,356,060 | 1,361,526 | 1,451,766 | 1,496,495 |
| Receipts (5 markets).....                       | 673,818               | 686,423   | 646,423   | 696,905   | 681,737   | 679,480   | 699,575   |
| New York.....                                   | 212,346               | 247,177   | 243,764   | 248,759   | 244,127   | 252,742   | 261,322   |
| Chicago.....                                    | 209,375               | 213,009   | 225,892   | 258,083   | 254,308   | 236,546   | 235,200   |
| Philadelphia.....                               | 52,563                | 64,741    | 68,598    | 76,731    | 72,064    | 79,345    | 81,727    |
| Boston.....                                     | 75,537                | 85,490    | 82,656    | 86,921    | 82,476    | 83,243    | 84,617    |
| San Francisco.....                              | 23,997                | 25,916    | 25,510    | 26,411    | 28,752    | 27,604    | 26,709    |
| Cold-storage holdings, Dec 1 <sup>1</sup> ..... | 66,283                | 47,773    | 51,508    | 100,832   | 74,754    | 64,381    | 83,234    |
| <b>CHEESE</b>                                   |                       |           |           |           |           |           |           |
| Production, American.....                       | 1,269,599             | 282,806   | 308,108   | 324,665   | 347,240   | 335,915   | 207,777   |
| Receipts (5 markets).....                       | 52,343                | 50,109    | 49,425    | 42,939    | 46,163    | 45,363    | 46,937    |
| New York.....                                   | 107,724               | 123,645   | 130,024   | 131,129   | 115,104   | 123,633   | 123,633   |
| Chicago.....                                    | 19,324                | 16,363    | 16,866    | 19,095    | 19,454    | 20,306    | 20,306    |
| Philadelphia.....                               | 14,086                | 13,521    | 15,914    | 18,725    | 15,314    | 15,437    | 14,588    |
| Boston.....                                     | 9,964                 | 9,157     | 11,690    | 11,482    | 11,855    | 12,530    | 12,694    |
| San Francisco.....                              | 39,880                | 27,291    | 55,105    | 58,705    | 66,495    | 63,881    | 53,447    |
| Cold-storage holdings, Dec 1 <sup>1</sup> ..... | 14,182                | 11,329    | 17,515    | 18,669    | 18,066    | 17,203    | 17,285    |
| American.....                                   |                       |           |           |           |           |           |           |
| All other.....                                  |                       |           |           |           |           |           |           |

|                           | Jan    | Feb    | Mar     | Apr     | May     | June    | July    | Aug     | Sept    | Oct     | Nov    | Dec    |
|---------------------------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| <b>BUTTER</b>             |        |        |         |         |         |         |         |         |         |         |        |        |
| Production, creamery..... |        |        |         |         |         |         |         |         |         |         |        |        |
| 1925.....                 | 87,121 | 80,218 | 92,302  | 107,023 | 143,478 | 164,253 | 158,920 | 136,738 | 106,325 | 104,520 | 85,402 | 91,126 |
| 1926.....                 | 97,893 | 94,222 | 112,432 | 121,049 | 155,912 | 178,276 | 169,554 | 133,294 | 116,732 | 108,068 | 88,481 | 90,853 |
| 1927.....                 | 97,965 | 96,522 | 111,451 | 126,415 | 168,308 | 188,792 | 170,484 | 146,808 | 113,546 | 102,399 | 86,058 | 88,247 |
| Receipts (5 markets)..... |        |        |         |         |         |         |         |         |         |         |        |        |
| 1925.....                 | 44,825 | 41,785 | 48,351  | 50,035  | 67,454  | 68,024  | 82,918  | 66,341  | 53,303  | 51,599  | 42,090 | 42,908 |
| 1926.....                 | 46,808 | 45,809 | 54,648  | 53,990  | 64,653  | 69,908  | 61,053  | 59,849  | 52,985  | 45,290  | 40,568 | 42,825 |
| 1927.....                 | 44,756 | 45,502 | 53,633  | 57,298  | 75,535  | 89,773  | 79,670  | 68,065  | 50,055  | 45,425  | 39,896 | 39,978 |
| <b>CHEESE</b>             |        |        |         |         |         |         |         |         |         |         |        |        |
| Production, American..... |        |        |         |         |         |         |         |         |         |         |        |        |
| 1926.....                 | 19,519 | 19,984 | 25,216  | 29,221  | 38,668  | 46,320  | 40,164  | 33,229  | 23,809  | 23,164  | 16,385 | 15,295 |
| 1927.....                 | 16,660 | 17,085 | 21,318  | 24,533  | 34,704  | 41,489  | 38,195  | 31,944  | 23,783  | 23,012  | 16,717 | 16,337 |
| Receipts (5 markets)..... |        |        |         |         |         |         |         |         |         |         |        |        |
| 1926.....                 | 14,853 | 13,568 | 15,055  | 15,531  | 14,972  | 21,777  | 21,973  | 20,736  | 18,784  | 18,690  | 15,954 | 15,986 |
| 1927.....                 | 12,707 | 14,916 | 14,950  | 16,922  | 21,301  | 22,134  | 24,134  | 22,356  | 21,522  | 18,996  | 14,278 | 13,826 |

<sup>1</sup> Estimated from reports of manufacturers; does not agree with total of monthly reports.

## No. 589.—BUTTER AND CHEESE PRICES

[NOTE.—Prices in cents per pound. Farm price represents weighted average of farm-made butter for entire country. Wholesale prices are for 92-score creamery butter and for American No. 1 cheese]

| Year      | Butter,<br>farm price |         | Wholesale,<br>New York,<br>annual averages |        | Month          | Butter,<br>farm price     |      | Wholesale, New York       |      |                           |       |
|-----------|-----------------------|---------|--|--------|----------------|---------------------------|------|---------------------------|------|---------------------------|-------|
|           | June 15               | Dec. 15 | Butter                                     | Cheese |                | Butter                    |      | Cheese                    |      |                           |       |
|           |                       |         |  |        |                | Average,<br>1913-<br>1924 | 1927 | Average,<br>1913-<br>1924 | 1927 | Average,<br>1913-<br>1924 | 1927  |
| 1914..... | 22.8                  | 28.6    | 30   | 16     | Average.....   | 37.3                      | 42.3 | 43                        | 47   | 22                        | 26    |
| 1915..... | 24.5                  | 28.0    | 30   | 15     | January.....   | 39.5                      | 44.0 | 46                        | 49   | 23                        | ..... |
| 1916..... | 26.1                  | 34.2    | 34   | 19     | February.....  | 37.9                      | 43.7 | 44                        | 52   | 22                        | ..... |
| 1917..... | 34.2                  | 42.5    | 31   | 24     | March.....     | 37.1                      | 43.5 | 44                        | 50   | 23                        | 23    |
| 1918..... | 38.4                  | 53.8    | 51   | 37     | April.....     | 36.8                      | 43.4 | 43                        | 50   | 21                        | ..... |
| 1919..... | 46.2                  | 60.6    | 61   | 32     | May.....       | 35.6                      | 42.1 | 39                        | 43   | 21                        | 23    |
| 1920..... | 52.6                  | 51.8    | 61   | 29     | June.....      | 34.0                      | 40.4 | 38                        | 43   | 20                        | 24    |
| 1921..... | 29.2                  | 40.7    | 43   | 21     | July.....      | 34.1                      | 40.3 | 38                        | 42   | 21                        | 25    |
| 1922..... | 33.1                  | 42.9    | 41   | 20     | August.....    | 35.2                      | 40.3 | 39                        | 42   | 21                        | 26    |
| 1923..... | 37.9                  | 45.8    | 47   | 25     | September..... | 36.8                      | 41.7 | 42                        | 46   | 22                        | 27    |
| 1924..... | 36.3                  | 41.8    | 43   | 20     | October.....   | 38.7                      | 43.4 | 45                        | 48   | 23                        | 28    |
| 1925..... | 38.2                  | 46.0    | 46   | 24     | November.....  | 40.5                      | 44.5 | 48                        | 50   | 23                        | ..... |
| 1926..... | 39.5                  | 45.5    | 44   | 23     | December.....  | 41.7                      | 45.7 | 49                        | 52   | 24                        | ..... |
| 1927..... | 40.4                  | 45.7    | 47   | 25     |                |                           |      |                           |      |                           |       |

<sup>1</sup> 10 months' average.

<sup>2</sup> 7 months' average.

<sup>3</sup> 11-year average.

<sup>4</sup> 10-year average.

Source of Tables 588 and 589: Bureau of Agricultural Economics, Department of Agriculture.



## No. 592.—CHICKENS ON FARMS, CHICKENS RAISED, AND EGGS PRODUCED

[NOTE.—For additional figures for United States as a whole, see Table 583.]

| Division and State   | Chickens on hand<br>(thousands) |                    |                    | Chickens raised<br>(thousands) <sup>1</sup> |         |         | Eggs produced<br>(thousands of dozens) <sup>1</sup> |           |           |
|----------------------|---------------------------------|--------------------|--------------------|---|---------|---------|---|-----------|-----------|
|                      | 1910<br>(Apr<br>15)             | 1920<br>(Jan<br>1) | 1925<br>(Jan<br>1) | 1909  | 1919    | 1924    | 1909  | 1919      | 1924      |
| United States        | 330,341                         | 339,537            | 406,291            | 480,611                                     | 473,901 | 545,848 | 1,374,979   | 1,654,045 | 1,913,245 |
| New England          | 8,840                           | 8,804              | 8,138              | 10,757                                      | 8,376   | 13,439  | 34,809  | 37,632    | 58,540    |
| Maine                | 1,705                           | 1,403              | 1,900              | 2,555                                       | 1,908   | 2,838   | 14,876  | 9,977     | 13,613    |
| New Hampshire        | 903                             | 771                | 1,207              | 1,363                                       | 1,071   | 2,442   | 7,469   | 5,005     | 8,181     |
| Vermont              | 912                             | 800                | 941                | 1,347                                       | 1,016   | 1,339   | 7,002   | 5,167     | 6,372     |
| Massachusetts        | 1,710                           | 1,455              | 2,030              | 3,055                                       | 2,401   | 3,631   | 13,981  | 9,604     | 14,325    |
| Rhode Island         | 303                             | 254                | 361                | 570   | 434     | 519     | 2,862   | 1,537     | 2,275     |
| Connecticut          | 1,218                           | 1,120              | 1,699              | 1,968                                       | 1,546   | 2,670   | 8,498   | 6,341     | 11,775    |
| Middle Atlantic      | 24,449                          | 27,452             | 34,809             | 34,071                                      | 31,060  | 39,779  | 159,465   | 151,453   | 218,632   |
| New York             | 10,232                          | 10,415             | 13,409             | 13,394                                      | 11,873  | 14,941  | 71,191  | 62,175    | 87,167    |
| New Jersey           | 2,320                           | 2,534              | 4,114              | 4,329                                       | 3,523   | 5,492   | 14,591  | 13,280    | 27,417    |
| Pennsylvania         | 11,896                          | 14,503             | 17,306             | 16,348                                      | 15,664  | 19,346  | 73,683  | 75,998    | 102,048   |
| East North Central   | 69,471                          | 84,516             | 89,623             | 98,868                                      | 99,268  | 112,897 | 389,257   | 400,445   | 441,089   |
| Ohio                 | 16,850                          | 20,233             | 20,927             | 22,777                                      | 22,458  | 26,937  | 100,294   | 102,377   | 112,863   |
| Indiana              | 13,246                          | 16,754             | 17,355             | 22,099                                      | 22,618  | 25,257  | 80,029  | 83,101    | 86,975    |
| Illinois             | 20,564                          | 25,121             | 25,738             | 31,059                                      | 29,894  | 32,204  | 99,118  | 105,758   | 113,021   |
| Michigan             | 8,698                           | 10,914             | 12,579             | 12,130                                      | 12,442  | 15,276  | 59,556  | 55,987    | 68,209    |
| Wisconsin            | 9,143                           | 11,495             | 13,023             | 10,431                                      | 11,840  | 14,194  | 50,269  | 53,227    | 60,584    |
| West North Central   | 65,192                          | 105,348            | 123,101            | 118,996                                     | 136,783 | 158,884 | 442,188   | 474,592   | 643,558   |
| Minnesota            | 10,294                          | 13,213             | 16,406             | 11,412                                      | 15,062  | 20,352  | 53,324  | 60,250    | 76,322    |
| Iowa                 | 22,692                          | 27,747             | 30,275             | 28,670                                      | 31,076  | 38,185  | 108,663   | 120,697   | 133,776   |
| Missouri             | 19,910                          | 24,684             | 28,222             | 30,413                                      | 29,363  | 34,598  | 110,922   | 117,204   | 129,291   |
| North Dakota         | 3,085                           | 4,329              | 5,181              | 3,820                                       | 5,324   | 5,722   | 17,069  | 20,820    | 20,988    |
| South Dakota         | 4,924                           | 6,642              | 7,904              | 5,803                                       | 7,638   | 10,607  | 24,641  | 30,352    | 35,104    |
| Nebraska             | 9,011                           | 11,615             | 13,560             | 14,724                                      | 15,797  | 20,310  | 46,461  | 49,133    | 54,811    |
| Kansas               | 15,286                          | 16,919             | 21,609             | 23,546                                      | 22,503  | 29,091  | 51,068  | 76,137    | 93,267    |
| South Atlantic       | 25,837                          | 36,408             | 41,190             | 65,069                                      | 65,374  | 68,782  | 134,290   | 144,099   | 153,799   |
| Delaware             | 756                             | 949                | 1,365              | 1,401                                       | 1,305   | 1,582   | 4,395   | 3,908     | 6,381     |
| Maryland             | 2,651                           | 3,436              | 4,198              | 5,420                                       | 5,258   | 6,025   | 15,239  | 14,086    | 20,069    |
| District of Columbia | 7                               | 10                 | 16                 | 14  | 14      | 10      | 51  | 43        | 69        |
| Virginia             | 5,085                           | 7,860              | 9,221              | 15,183                                      | 14,227  | 15,892  | 34,539  | 36,551    | 39,044    |
| West Virginia        | 3,107                           | 4,028              | 4,349              | 5,205                                       | 4,873   | 5,305   | 18,948  | 21,708    | 22,125    |
| North Carolina       | 4,568                           | 7,393              | 8,558              | 13,760                                      | 14,047  | 15,067  | 23,179  | 24,841    | 25,567    |
| South Carolina       | 2,695                           | 3,954              | 4,238              | 8,062                                       | 9,016   | 7,830   | 10,983  | 12,612    | 11,109    |
| Georgia              | 4,890                           | 7,222              | 7,043              | 13,706                                      | 14,586  | 12,284  | 20,606  | 23,182    | 19,838    |
| Florida              | 1,240                           | 1,555              | 2,130              | 2,301                                       | 2,146   | 2,766   | 6,349   | 6,531     | 9,577     |
| East South Central   | 24,485                          | 34,092             | 34,909             | 55,684                                      | 51,071  | 51,103  | 127,309   | 128,159   | 112,735   |
| Kentucky             | 8,600                           | 10,478             | 11,036             | 17,573                                      | 15,507  | 16,445  | 43,782  | 42,223    | 37,045    |
| Tennessee            | 7,341                           | 11,354             | 11,861             | 15,865                                      | 15,564  | 16,148  | 41,244  | 45,707    | 41,089    |
| Alabama              | 4,590                           | 5,918              | 6,294              | 11,363                                      | 10,180  | 9,527   | 21,946  | 23,437    | 19,467    |
| Mississippi          | 4,563                           | 6,342              | 5,788              | 10,863                                      | 9,830   | 8,982   | 20,337  | 23,783    | 16,186    |
| West South Central   | 29,176                          | 39,919             | 43,835             | 54,701                                      | 57,339  | 60,908  | 165,844   | 157,008   | 160,425   |
| Arkansas             | 5,083                           | 6,955              | 7,164              | 9,674                                       | 9,111   | 9,870   | 26,487  | 28,168    | 23,923    |
| Oklahoma             | 3,259                           | 3,764              | 3,907              | 5,830                                       | 5,571   | 5,434   | 14,423  | 13,136    | 10,472    |
| Oklahoma             | 8,015                           | 11,137             | 13,023             | 15,337                                      | 16,817  | 19,870  | 45,357  | 45,440    | 51,477    |
| Texas                | 12,120                          | 18,063             | 19,741             | 23,860                                      | 25,830  | 26,026  | 77,378  | 70,264    | 74,552    |
| Mountain             | 5,467                           | 9,594              | 12,299             | 8,439                                       | 13,037  | 16,537  | 35,238  | 49,993    | 68,271    |
| Montana              | 923                             | 2,055              | 2,545              | 1,367                                       | 3,227   | 3,067   | 5,940   | 11,858    | 13,403    |
| Idaho                | 1,012                           | 1,655              | 2,029              | 1,589                                       | 2,250   | 2,540   | 6,434   | 8,605     | 11,708    |
| Wyoming              | 325                             | 621                | 809                | 495   | 894     | 1,121   | 2,071   | 3,195     | 4,337     |
| Colorado             | 1,644                           | 2,875              | 3,752              | 2,585                                       | 3,861   | 5,006   | 10,578  | 14,172    | 18,571    |
| New Mexico           | 510                             | 714                | 937                | 894   | 921     | 1,123   | 2,961   | 3,063     | 4,075     |
| Arizona              | 253                             | 495                | 636                | 374   | 569     | 756     | 1,732   | 2,526     | 3,741     |
| Utah                 | 674                             | 955                | 1,367              | 947   | 1,107   | 1,644   | 4,645   | 5,769     | 9,017     |
| Nevada               | 127                             | 155                | 225                | 181   | 188     | 280     | 963   | 895       | 1,436     |
| Pacific              | 9,623                           | 16,474             | 21,377             | 14,014                                      | 20,936  | 25,607  | 68,944  | 100,108   | 160,586   |
| Washington           | 2,204                           | 3,548              | 5,363              | 3,611                                       | 4,860   | 7,059   | 16,374  | 21,357    | 42,630    |
| Oregon               | 1,753                           | 2,500              | 3,226              | 2,555                                       | 3,190   | 4,066   | 11,835  | 14,626    | 20,659    |
| California           | 5,666                           | 10,427             | 12,788             | 7,849                                       | 12,929  | 14,383  | 40,735  | 64,124    | 97,907    |

Including estimates for incomplete reports.

<sup>1</sup> The figures for 1910 are exclusive of 4,171 pheasants and 3 India jungle fowls, which were included with chickens in the 1910 census report.

Source: Bureau of the Census, Department of Commerce.



**No. 593.—POULTRY: FARM PRICES, AND RECEIPTS AT PRINCIPAL MARKETS.**

(Prices in cents per pound; receipts in thousands of pounds)

|                                       | 1914-<br>1920,<br>average | 1921    | 1922    | 1923    | 1924    | 1925    | 1926    | 1927    |
|---------------------------------------|---------------------------|---------|---------|---------|---------|---------|---------|---------|
| Chickens, average farm price          | 18.9                      | 21.0    | 19.1    | 19.0    | 19.2    | 20.3    | 21.9    | 20.2    |
| Turkeys, average farm price, Nov. 15. | 22.0                      | 28.2    | 29.5    | 27.9    | 24.2    | 23.3    | 28.8    | 30.8    |
| Dressed poultry, receipts:            |                           |         |         |         |         |         |         |         |
| Boston                                |                           | 39,921  | 44,563  | 58,013  | 61,204  | 46,720  | 53,162  | 53,305  |
| New York                              |                           | 124,551 | 138,212 | 163,949 | 179,762 | 170,257 | 192,895 | 188,117 |
| Philadelphia                          |                           | 22,892  | 21,319  | 24,511  | 27,640  | 29,293  | 32,126  | 31,822  |
| Chicago                               |                           | 61,992  | 73,661  | 90,273  | 88,464  | 72,086  | 77,632  | 63,785  |

|                              | Jan.   | Feb.   | Mar.  | Apr.  | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
|------------------------------|--------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| Chickens, average farm price |        |        |       |       |        |        |        |        |        |        |        |        |
| 1920                         | 30.9   | 21.5   | 21.9  | 23.1  | 23.7   | 23.9   | 23.6   | 22.1   | 21.4   | 20.8   | 20.0   | 19.8   |
| 1927                         | 20.1   | 21.1   | 21.3  | 21.8  | 21.7   | 20.2   | 19.9   | 19.7   | 19.4   | 19.7   | 19.4   | 19.3   |
| Receipts of poultry, 1926:   |        |        |       |       |        |        |        |        |        |        |        |        |
| Boston                       | 3,778  | 2,961  | 2,837 | 2,052 | 2,508  | 3,296  | 3,151  | 3,677  | 3,960  | 4,098  | 5,891  | 11,942 |
| New York                     | 13,078 | 10,616 | 9,921 | 8,248 | 10,594 | 14,041 | 13,555 | 14,000 | 15,008 | 18,129 | 31,924 | 33,087 |
| Philadelphia                 | 2,006  | 1,791  | 2,203 | 1,717 | 1,374  | 1,704  | 1,953  | 2,039  | 2,332  | 2,123  | 4,918  | 7,094  |
| Chicago                      | 6,390  | 3,159  | 2,393 | 1,792 | 1,805  | 2,105  | 2,154  | 2,607  | 2,897  | 6,307  | 22,363 | 23,110 |
| Receipts of poultry, 1927:   |        |        |       |       |        |        |        |        |        |        |        |        |
| Boston                       | 4,318  | 3,610  | 2,440 | 2,398 | 3,653  | 3,455  | 2,990  | 3,612  | 3,404  | 4,063  | 5,511  | 10,265 |
| New York                     | 12,054 | 8,957  | 8,722 | 7,770 | 11,633 | 13,635 | 12,168 | 14,580 | 15,470 | 17,082 | 31,740 | 32,797 |
| Philadelphia                 | 2,885  | 2,006  | 2,005 | 1,769 | 1,695  | 1,665  | 1,395  | 1,918  | 2,430  | 2,613  | 4,432  | 6,903  |
| Chicago                      | 6,495  | 3,546  | 2,195 | 1,835 | 2,872  | 2,257  | 1,227  | 2,257  | 2,531  | 3,752  | 15,739 | 19,029 |

**No. 594.—EGGS: PRICES, RECEIPTS AT PRINCIPAL MARKETS, AND STORAGE**

(Prices in cents per dozen; receipts and storage in thousands of cases)

|                                    | 1914-<br>1916,<br>average | 1921-<br>1925,<br>average | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 |
|------------------------------------|---------------------------|---------------------------|------|------|------|------|------|------|------|------|------|------|
| Average farm price                 | 22                        | 31                        | 34   | 31   | 28   |      |      |      |      |      |      |      |
| Wholesale prices:                  |                           |                           |      |      |      |      |      |      |      |      |      |      |
| Western firsts, Boston             | 25                        | 37                        | 40   | 38   | 32   |      |      |      |      |      |      |      |
| Fresh firsts, New York             | 25                        | 37                        | 40   | 36   | 32   |      |      |      |      |      |      |      |
| Western extra firsts, Philadelphia | 26                        | 40                        | 43   | 39   | 36   |      |      |      |      |      |      |      |
| Fresh firsts Chicago               | 23                        | 34                        | 37   | 34   | 30   |      |      |      |      |      |      |      |
| Fresh extras, San Francisco        | 32                        | 41                        | 38   | 36   | 32   |      |      |      |      |      |      |      |
| Average export value               | 22                        | 29                        | 30   | 29   | 27   |      |      |      |      |      |      |      |

|                             | 1914  | 1915   | 1916  | 1917   | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 |
|-----------------------------|-------|--------|-------|--------|------|------|------|------|------|------|------|------|------|------|
| Receipts:                   |       |        |       |        |      |      |      |      |      |      |      |      |      |      |
| Boston                      | 1,829 | 1,833  | 1,806 | 1,960  |      |      |      |      |      |      |      |      |      |      |
| New York                    | 6,543 | 6,894  | 6,818 | 7,049  |      |      |      |      |      |      |      |      |      |      |
| Philadelphia                | 1,595 | 1,572  | 1,566 | 1,549  |      |      |      |      |      |      |      |      |      |      |
| Chicago                     | 4,679 | 4,498  | 4,575 | 4,901  |      |      |      |      |      |      |      |      |      |      |
| San Francisco               | 760   | 743    | 744   | 750    |      |      |      |      |      |      |      |      |      |      |
| Total cold-storage holdings |       |        |       |        |      |      |      |      |      |      |      |      |      |      |
| July 31                     | 9,267 | 10,024 | 9,845 | 10,746 |      |      |      |      |      |      |      |      |      |      |
| Dec 31                      | 1,050 | 1,683  | 1,096 | 882    |      |      |      |      |      |      |      |      |      |      |

|   | Jan. | Feb. | Mar. | Apr.  | May   | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|------|------|------|-------|-------|------|------|------|-------|------|------|------|
| Average farm price:                     |      |      |      |       |       |      |      |      |       |      |      |      |
| 1925                                    | 49   | 36   | 24   | 24    | 25    | 25   | 28   | 30   | 31    | 38   | 47   | 43   |
| 1926                                    | 36   | 29   | 24   | 28    | 25    | 26   | 26   | 26   | 32    | 37   | 45   | 46   |
| 1927                                    | 37   | 30   | 21   | 20    | 20    | 18   | 21   | 23   | 20    | 35   | 42   | 43   |
| Wholesale price, fresh firsts, New York |      |      |      |       |       |      |      |      |       |      |      |      |
| 1926                                    | 38   | 31   | 29   | 32    | 31    | 30   | 29   | 31   | 38    | 40   | 50   | 48   |
| 1927                                    | 42   | 32   | 25   | 26    | 23    | 23   | 25   | 28   | 34    | 40   | 44   | 45   |
| Receipts 1926                           |      |      |      |       |       |      |      |      |       |      |      |      |
| Boston                                  | 109  | 119  | 180  | 205   | 272   | 246  | 155  | 135  | 113   | 91   | 77   | 97   |
| New York                                | 303  | 471  | 813  | 660   | 868   | 871  | 679  | 602  | 433   | 344  | 284  | 600  |
| Philadelphia                            | 113  | 109  | 158  | 183   | 213   | 194  | 125  | 106  | 143   | 83   | 66   | 78   |
| Chicago                                 | 236  | 319  | 507  | 763   | 836   | 426  | 449  | 283  | 197   | 132  | 103  | 124  |
| San Francisco                           | 55   | 52   | 74   | 75    | 72    | 77   | 78   | 56   | 47    | 49   | 51   | 58   |
| Receipts 1927                           |      |      |      |       |       |      |      |      |       |      |      |      |
| Boston                                  | 120  | 153  | 245  | 307   | 270   | 234  | 155  | 128  | 109   | 92   | 65   | 92   |
| New York                                | 458  | 542  | 863  | 1,094 | 1,038 | 716  | 521  | 441  | 386   | 353  | 319  | 315  |
| Philadelphia                            | 98   | 100  | 163  | 244   | 211   | 156  | 119  | 114  | 117   | 80   | 68   | 59   |
| Chicago                                 | 243  | 326  | 626  | 1,002 | 935   | 594  | 363  | 255  | 231   | 127  | 101  | 94   |
| San Francisco                           | 54   | 57   | 78   | 83    | 69    | 65   | 68   | 66   | 54    | 50   | 50   | 26   |

Source of Tables 593 and 594—Bureau of Agricultural Economics, Department of Agriculture.

# No. 595.—COLD-STORAGE HOLDINGS OF ANIMAL PRODUCTS AND FROZEN FISH

[NOTE.—All figures are in thousands of pounds, except cases of eggs and total meats, which are in thousands of cases and millions of pounds, respectively. Holdings are as of 1st of each month. Beef and pork figures include frozen, cured, and in process of cure.]

|                                | Jan     | Feb     | Mar.    | Apr       | May       | June      | July      | Aug     | Sept    | Oct     | Nov     | Dec     |
|--------------------------------|---------|---------|---------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|---------|
| <b>Creamery butter</b>         |         |         |         |           |           |           |           |         |         |         |         |         |
| 1923                           | 26,819  | 16,122  | 8,910   | 4,824     | 3,248     | 10,112    | 62,708    | 101,774 | 102,731 | 96,117  | 76,472  | 51,508  |
| 1924                           | 30,299  | 15,246  | 9,847   | 7,842     | 8,913     | 22,348    | 74,184    | 134,118 | 156,440 | 153,494 | 135,018 | 100,832 |
| 1925                           | 65,694  | 45,748  | 28,789  | 10,875    | 3,739     | 13,086    | 63,687    | 109,075 | 128,403 | 114,172 | 94,916  | 74,754  |
| 1926                           | 52,765  | 39,381  | 26,313  | 17,392    | 17,527    | 30,561    | 86,897    | 131,152 | 138,151 | 125,342 | 100,871 | 64,381  |
| 1927                           | 34,347  | 17,962  | 7,962   | 3,044     | 3,436     | 28,404    | 89,996    | 146,147 | 163,701 | 147,306 | 118,679 | 83,224  |
| <b>American cheese</b>         |         |         |         |           |           |           |           |         |         |         |         |         |
| 1923                           | 33,617  | 26,593  | 20,093  | 14,465    | 14,077    | 17,507    | 36,634    | 56,839  | 63,960  | 62,384  | 57,927  | 55,105  |
| 1924                           | 49,566  | 40,506  | 35,100  | 28,294    | 26,302    | 27,172    | 45,239    | 65,864  | 76,406  | 73,153  | 67,305  | 58,706  |
| 1925                           | 49,187  | 41,552  | 34,647  | 27,716    | 26,147    | 29,550    | 46,468    | 66,634  | 76,512  | 78,682  | 71,913  | 66,495  |
| 1926                           | 58,457  | 50,339  | 42,887  | 38,041    | 35,597    | 39,346    | 54,069    | 73,681  | 81,297  | 77,646  | 72,491  | 63,681  |
| 1927                           | 54,596  | 46,026  | 39,382  | 35,193    | 32,487    | 35,826    | 49,960    | 67,091  | 69,749  | 65,453  | 59,035  | 53,447  |
| <b>All varieties of cheese</b> |         |         |         |           |           |           |           |         |         |         |         |         |
| 1923                           | 45,234  | 37,228  | 29,510  | 21,815    | 21,192    | 26,234    | 48,728    | 70,860  | 80,663  | 78,791  | 74,302  | 72,623  |
| 1924                           | 67,221  | 57,232  | 50,388  | 42,413    | 40,235    | 42,644    | 61,755    | 84,073  | 95,311  | 91,262  | 88,043  | 77,694  |
| 1925                           | 67,558  | 58,461  | 50,117  | 40,460    | 39,037    | 42,888    | 61,992    | 83,568  | 95,473  | 97,777  | 94,866  | 84,561  |
| 1926                           | 76,649  | 67,531  | 58,175  | 51,285    | 47,450    | 52,167    | 68,771    | 90,053  | 98,473  | 95,385  | 89,785  | 81,084  |
| 1927                           | 72,055  | 62,136  | 54,072  | 47,840    | 45,616    | 50,864    | 67,216    | 87,937  | 90,204  | 85,131  | 77,603  | 70,735  |
| <b>Cases of eggs</b>           |         |         |         |           |           |           |           |         |         |         |         |         |
| 1923                           | 1,311   | 218     | 13      | 453       | 3,737     | 7,890     | 10,229    | 10,509  | 9,883   | 8,737   | 6,645   | 4,028   |
| 1924                           | 1,927   | 500     | 44      | 579       | 3,563     | 6,875     | 8,065     | 9,287   | 8,778   | 7,409   | 5,267   | 3,102   |
| 1925                           | 1,050   | 81      | 21      | 1,240     | 4,872     | 7,712     | 9,482     | 10,034  | 9,873   | 8,612   | 6,322   | 3,796   |
| 1926                           | 1,083   | 579     | 77      | 872       | 3,735     | 7,236     | 9,133     | 9,845   | 9,578   | 8,048   | 5,888   | 3,215   |
| 1927                           | 1,006   | 263     | 92      | 1,868     | 5,501     | 8,922     | 10,565    | 10,746  | 9,660   | 7,960   | 5,485   | 2,966   |
| <b>Frozen eggs</b>             |         |         |         |           |           |           |           |         |         |         |         |         |
| 1923                           | 22,747  | 18,517  | 14,608  | 10,311    | 12,921    | 20,730    | 29,666    | 36,192  | 37,290  | 43,836  | 40,424  | 36,004  |
| 1924                           | 32,067  | 27,682  | 23,106  | 20,736    | 23,797    | 29,956    | 33,565    | 35,184  | 34,128  | 31,006  | 26,663  | 22,100  |
| 1925                           | 21,303  | 16,292  | 11,364  | 11,353    | 19,579    | 29,544    | 38,379    | 42,855  | 47,099  | 44,299  | 34,314  | 29,336  |
| 1926                           | 33,905  | 29,256  | 24,167  | 21,849    | 25,739    | 34,815    | 45,688    | 51,810  | 52,634  | 51,062  | 44,906  | 38,680  |
| 1927                           | 33,593  | 31,207  | 26,053  | 33,272    | 52,053    | 71,605    | 81,263    | 81,418  | 77,508  | 71,208  | 62,068  | 54,703  |
| <b>Frozen poultry</b>          |         |         |         |           |           |           |           |         |         |         |         |         |
| 1923                           | 100,170 | 121,632 | 113,563 | 94,872    | 74,562    | 57,274    | 49,100    | 41,230  | 34,131  | 33,142  | 40,369  | 63,274  |
| 1924                           | 93,434  | 99,486  | 93,497  | 76,087    | 52,068    | 39,299    | 34,886    | 33,604  | 33,837  | 40,070  | 55,139  | 87,939  |
| 1925                           | 133,900 | 138,189 | 134,513 | 108,608   | 82,732    | 68,126    | 58,562    | 53,558  | 47,946  | 44,345  | 53,787  | 84,733  |
| 1926                           | 111,501 | 108,512 | 95,397  | 73,124    | 52,793    | 42,808    | 36,730    | 35,793  | 38,634  | 44,771  | 64,842  | 66,454  |
| 1927                           | 144,497 | 145,076 | 129,510 | 104,697   | 77,282    | 61,525    | 50,964    | 42,288  | 39,711  | 43,201  | 52,315  | 85,030  |
| <b>Beef</b>                    |         |         |         |           |           |           |           |         |         |         |         |         |
| 1923                           | 116,255 | 114,113 | 100,591 | 90,502    | 78,535    | 65,023    | 57,230    | 45,893  | 46,041  | 48,187  | 63,421  | 93,166  |
| 1924                           | 105,577 | 102,655 | 100,077 | 93,274    | 79,423    | 65,069    | 59,418    | 49,812  | 48,906  | 47,538  | 67,244  | 100,239 |
| 1925                           | 142,964 | 140,705 | 130,809 | 116,318   | 96,223    | 74,618    | 61,554    | 49,674  | 45,214  | 40,719  | 47,481  | 73,764  |
| 1926                           | 84,086  | 80,538  | 77,680  | 70,781    | 59,978    | 52,679    | 48,683    | 46,048  | 41,697  | 46,250  | 61,198  | 85,977  |
| 1927                           | 100,873 | 95,254  | 88,020  | 77,159    | 62,928    | 50,413    | 43,756    | 35,722  | 33,446  | 35,878  | 43,916  | 65,345  |
| <b>Pork</b>                    |         |         |         |           |           |           |           |         |         |         |         |         |
| 1923                           | 570,510 | 688,924 | 783,680 | 864,674   | 940,071   | 908,771   | 908,505   | 866,150 | 754,262 | 613,143 | 505,946 | 577,496 |
| 1924                           | 708,969 | 800,878 | 886,932 | 1,008,904 | 1,032,891 | 1,087,672 | 1,039,810 | 985,710 | 871,565 | 173,407 | 731,427 | 540,540 |
| 1925                           | 647,364 | 778,792 | 863,355 | 929,557   | 814,189   | 748,418   | 738,655   | 699,536 | 583,780 | 467,178 | 392,605 | 390,927 |
| 1926                           | 472,219 | 556,042 | 608,947 | 626,594   | 603,798   | 574,472   | 502,176   | 642,674 | 623,089 | 514,351 | 405,023 | 388,228 |
| 1927                           | 472,757 | 589,071 | 671,674 | 738,446   | 770,212   | 787,850   | 844,275   | 841,271 | 766,418 | 608,767 | 467,119 | 419,822 |
| <b>All meats</b>               |         |         |         |           |           |           |           |         |         |         |         |         |
| 1923                           | 764     | 876     | 956     | 1,032     | 1,004     | 1,045     | 1,041     | 963     | 868     | 723     | 629     | 739     |
| 1924                           | 900     | 968     | 1,063   | 1,108     | 1,064     | 1,028     | 1,008     | 931     | 826     | 672     | 536     | 598     |
| 1925                           | 866     | 1,020   | 1,100   | 1,042     | 1,000     | 965       | 879       | 790     | 686     | 562     | 486     | 511     |
| 1926                           | 618     | 696     | 746     | 753       | 714       | 677       | 708       | 748     | 725     | 619     | 522     | 531     |
| 1927                           | 642     | 751     | 823     | 879       | 894       | 900       | 963       | 945     | 867     | 706     | 563     | 641     |
| <b>Lard</b>                    |         |         |         |           |           |           |           |         |         |         |         |         |
| 1923                           | 48,808  | 56,266  | 59,101  | 66,743    | 85,251    | 84,530    | 123,896   | 143,579 | 115,860 | 72,608  | 35,225  | 35,317  |
| 1924                           | 44,340  | 54,130  | 66,610  | 85,722    | 102,317   | 127,949   | 152,520   | 149,672 | 124,676 | 84,198  | 31,706  | 35,713  |
| 1925                           | 61,049  | 112,704 | 151,927 | 150,182   | 131,499   | 138,296   | 145,919   | 145,224 | 114,724 | 71,626  | 37,256  | 33,710  |
| 1926                           | 42,478  | 64,187  | 75,145  | 43,108    | 98,365    | 106,824   | 130,527   | 153,572 | 151,233 | 105,568 | 72,355  | 46,744  |
| 1927                           | 49,692  | 69,576  | 77,103  | 92,069    | 99,611    | 111,976   | 147,318   | 176,136 | 167,018 | 118,174 | 73,121  | 46,164  |
| <b>Frozen fish</b>             |         |         |         |           |           |           |           |         |         |         |         |         |
| 1923                           | 40,033  | 27,070  | 16,724  | 10,560    | 12,312    | 17,780    | 27,237    | 39,101  | 53,220  | 62,616  | 63,458  | 64,295  |
| 1924                           | 52,627  | 40,421  | 29,571  | 21,489    | 21,840    | 27,115    | 34,036    | 49,026  | 56,097  | 67,025  | 70,406  | 68,330  |
| 1925                           | 55,308  | 44,034  | 29,845  | 22,442    | 23,749    | 31,980    | 40,458    | 47,474  | 55,447  | 58,358  | 61,649  | 58,843  |
| 1926                           | 48,191  | 37,378  | 24,694  | 16,154    | 21,540    | 31,345    | 45,606    | 51,627  | 64,657  | 70,310  | 75,634  | 69,854  |
| 1927                           | 58,655  | 48,684  | 34,887  | 24,781    | 29,782    | 36,695    | 42,118    | 54,081  | 60,330  | 66,960  | 66,790  | 64,787  |

<sup>1</sup> Holdings of frozen fish are for the 15th of each month.

Source. Bureau of Agricultural Economics, Department of Agriculture.

## No. 596.—WOOL: PRICES, VALUE OF IMPORTS, AND RECEIPTS AT BOSTON

|  | 1910-<br>1913,<br>average | 1914-<br>1920,<br>average | 1921    | 1922    | 1923    | 1924    | 1925    | 1926    | 1927    |
|--|---------------------------|---------------------------|---------|---------|---------|---------|---------|---------|---------|
| <b>Prices (cents per pound):</b>   |                           |                           |         |         |         |         |         |         |         |
| Average United States farm price, unwashed, Ohio and Pennsylvania, everything, unwashed, at Boston | 18                        | 20                        | 30      | 30      | 37      | 38      | 38      | 38      | 31      |
| Territory, fine staple scoured, at Boston  | 23                        | 40                        | 44      | 51      | 48      | 39      | 41      | 41      | 37      |
|  | 60                        | 127                       | 126     | 141     | 142     | 140     | 113     | 113     | 110     |
| <b>Value of United States imports (thous. of dollars):</b>   |                           |                           |         |         |         |         |         |         |         |
| Clothing <sup>1</sup>  | 15,650                    | 140,084                   | 9,472   | 11,406  | 8,120   | 10,908  | 5,371   | 6,080   | 6,080   |
| Combing <sup>1</sup>   | 2,994                     | 5,901                     | 44,367  | 89,181  | 48,298  | 62,542  | 65,915  | 38,285  | 38,285  |
| Carpet   | 13,540                    | 25,380                    | 30,267  | 38,304  | 34,375  | 47,983  | 30,168  | 37,470  | 37,470  |
| <b>Receipts at Boston (thous. of pounds):</b>  |                           |                           |         |         |         |         |         |         |         |
| Total  | 300,160                   | 434,336                   | 433,764 | 417,099 | 312,019 | 305,619 | 345,981 | 341,371 | 341,371 |
| Domestic   | 300,047                   | 184,380                   | 190,907 | 145,182 | 300,340 | 131,446 | 189,370 | 318,012 | 318,012 |
| Foreign  | 84,103                    | 239,956                   | 242,857 | 371,916 | 111,775 | 174,173 | 177,661 | 123,359 | 123,359 |

<sup>1</sup> Owing to changes in tariff laws in 1923 much wool which was formerly brought in as "clothing" now comes in under "combing" classification.

Source: Prices and receipts, Bureau of Agricultural Economics, Department of Agriculture.

## No. 597.—WOOL: PRODUCTION, IMPORTS, AND EXPORTS OF THE UNITED STATES

[Note.—All figures expressed in thousands of pounds. Production is of the calendar year, and beginning with 1900 includes pulled wool; previously included only fleeces. Exports and imports for 1839 are of the fiscal year ending Sept. 30; for yearly averages and years to and including 1915, of fiscal years ending June 30; subsequently, calendar years. Imports prior to 1915, and domestic exports from 1923 to 1927 include hair of the camel, angora goat, alpaca, and other like animals.]

| Yearly average or year | Production | Imports <sup>1</sup> | Exports  |         | Yearly average or year | Production | Imports <sup>1</sup> | Exports  |         |
|------------------------|------------|----------------------|----------|---------|------------------------|------------|----------------------|----------|---------|
|                        |            |                      | Domestic | Foreign |                        |            |                      | Domestic | Foreign |
| 1839                   | 35,802     | 7,925                |          | 119     | 1900                   | 288,637    | 155,928              | 2,300    | 5,702   |
| 1849                   | 52,517     | 17,869               | 160      | 47      | 1901                   | 302,502    | 103,584              | 200      | 3,591   |
| 1859                   | 60,265     | 24,471               | 1,707    | 41      | 1902                   | 316,341    | 168,577              | 123      | 3,105   |
|                        |            |                      |          |         | 1903                   | 287,450    | 177,138              | 519      | 2,903   |
| 1862-1870              | 100,102    | 49,230               | 153      | 1,710   | 1904                   | 291,783    | 173,743              | 320      | 2,863   |
| 1871-1880              | 186,275    | 68,030               | 152      | 3,939   |                        |            |                      |          |         |
| 1881-1890              | 280,083    | 93,195               | 115      | 4,294   | 1905                   | 295,488    | 249,136              | 124      | 2,438   |
| 1891-1895              | 309,409    | 142,319              | 1,077    | 3,637   | 1906                   | 298,915    | 201,689              | 192      | 5,450   |
| 1896-1900              | 275,154    | 189,445              | 3,344    | 6,015   | 1907                   | 293,295    | 203,648              | 215      | 3,232   |
|                        |            |                      |          |         | 1908                   | 311,138    | 128,961              | 182      | 5,684   |
| 1901-1905              | 298,713    | 174,035              | 267      | 2,998   | 1909                   | 330,420    | 266,409              | 28       | 3,496   |
| 1906-1910              | 312,026    | 212,371              | 133      | 4,374   |                        |            |                      |          |         |
| 1911-1915              | 290,918    | 215,354              | 1,714    | 4,562   | 1910                   | 321,363    | 263,928              | 48       | 4,006   |
| 1916-1920              | 290,918    | 399,980              | 3,568    | 4,276   | 1911                   | 318,548    | 137,648              | 0        | 8,206   |
| 1921-1925              | 277,455    | 334,156              | 699      | 12,779  | 1912                   | 304,043    | 193,401              | 0        | 1,720   |
|                        |            |                      |          |         | 1913                   | 296,175    | 195,293              | 77       | 4,432   |
| 1885                   | 308,000    | 70,596               | 68       | 3,115   | 1914                   | 290,192    | 247,649              | 335      | 1,205   |
| 1886                   | 302,000    | 129,085              | 2,138    | 6,534   |                        |            |                      |          |         |
| 1887                   | 285,000    | 114,038              | 258      | 6,725   | 1915                   | 285,726    | 302,782              | 8,156    | 7,247   |
| 1888                   | 269,000    | 113,559              | 22       | 4,360   | 1916                   | 298,490    | 442,650              | 3,919    | 2,128   |
| 1889                   | 265,000    | 126,488              | 142      | 3,263   | 1917                   | 281,692    | 416,137              | 1,827    | 1,273   |
|                        |            |                      |          |         | 1918                   | 298,870    | 447,428              | 407      | 452     |
| 1900                   | 276,000    | 105,431              | 231      | 3,288   | 1919                   | 298,258    | 438,782              | 2,840    | 5,134   |
| 1901                   | 285,000    | 129,304              | 292      | 2,638   |                        |            |                      |          |         |
| 1902                   | 294,000    | 148,671              | 302      | 3,008   | 1920                   | 287,079    | 254,905              | 8,845    | 12,393  |
| 1903                   | 348,538    | 172,434              | 92       | 4,219   | 1921                   | 283,629    | 316,605              | 1,927    | 1,552   |
| 1904                   | 325,211    | 55,153               | 520      | 5,977   | 1922                   | 263,713    | 366,538              | 453      | 4,225   |
|                        |            |                      |          |         | 1923                   | 268,196    | 388,345              | 535      | 23,557  |
| 1905                   | 284,207    | 206,634              | 4,279    | 2,543   | 1924                   | 279,375    | 262,655              | 309      | 27,476  |
| 1906                   | 272,475    | 230,911              | 6,946    | 0,026   |                        |            |                      |          |         |
| 1907                   | 256,154    | 350,812              | 5,272    | 3,426   | 1925                   | 292,362    | 336,648              | 273      | 7,087   |
| 1908                   | 296,721    | 132,795              | 121      | 2,745   | 1926                   | 310,576    | 299,451              | 292      | 14,074  |
| 1909                   | 272,191    | 79,736               | 1,683    | 12,413  | 1927 (prel.)           | 328,137    | 264,430              | 323      | 10,711  |

<sup>1</sup> For 1859, 1862 to 1868, inclusive, and 1872, includes estimates for quantity of wool on pelts imported.

Source: Production, 1839, 1849, 1859, and 1870, Bureau of the Census, other years, reports of the Department of Agriculture.

**No. 598.—WOOL: ESTIMATED PRODUCTION AND WEIGHT PER FLEECE**

[NOTE.—Only States with a production in 1926 of 2,500,000 pounds of wool are shown separately. The divisions shown include the States comprising the following divisions. North Atlantic, the New England and Middle Atlantic; North Central, the East North Central and West North Central; South Central, the East South Central and West South Central; Far Western, the Mountain and Pacific]

| Division and State | Production in thousands of pounds |         |         |         |         |                   | Average weight per fleece <sup>1</sup> (pounds) 1927 |
|--------------------|-----------------------------------|---------|---------|---------|---------|-------------------|--|
|                    | 1922                              | 1923    | 1924    | 1925    | 1926    | 1927 <sup>2</sup> |  |
| United States      | 391,713                           | 336,698 | 335,575 | 245,563 | 300,930 | 379,037           | 7.74   |
| North Atlantic     | 6,923                             | 6,591   | 6,459   | 6,735   | 6,981   | 6,777             | 7.98   |
| New York           | 2,797                             | 2,599   | 2,708   | 2,508   | 3,081   | 2,956             | 7.3  |
| Pennsylvania       | 3,073                             | 2,990   | 2,766   | 2,805   | 2,805   | 2,730             | 7.5  |
| North Central      | 50,858                            | 51,108  | 52,933  | 55,410  | 58,915  | 62,939            | 7.82   |
| Ohio               | 13,120                            | 13,649  | 14,167  | 14,407  | 14,760  | 15,692            | 8.2  |
| Indiana            | 3,204                             | 3,380   | 3,391   | 3,563   | 3,715   | 4,088             | 7.3  |
| Illinois           | 3,078                             | 2,978   | 3,334   | 3,419   | 3,648   | 4,182             | 7.5  |
| Michigan           | 6,256                             | 6,478   | 6,880   | 7,418   | 7,920   | 8,272             | 8.0  |
| Wisconsin          | 2,278                             | 2,131   | 2,169   | 2,250   | 2,508   | 2,774             | 7.6  |
| Minnesota          | 2,781                             | 2,645   | 2,886   | 3,151   | 3,534   | 4,211             | 7.9  |
| Iowa               | 5,226                             | 5,242   | 5,360   | 5,360   | 5,440   | 5,896             | 8.0  |
| Missouri           | 5,520                             | 5,396   | 5,236   | 5,208   | 5,250   | 5,460             | 7.0  |
| North Dakota       | 1,398                             | 1,440   | 1,833   | 2,283   | 2,772   | 3,187             | 8.3  |
| South Dakota       | 4,494                             | 4,466   | 4,512   | 4,446   | 4,714   | 5,160             | 8.0  |
| South Atlantic     | 4,888                             | 4,922   | 4,800   | 4,804   | 5,037   | 5,375             | 8.10   |
| South Central      | 34,897                            | 35,814  | 36,229  | 36,898  | 38,049  | 39,115            | 7.46   |
| Kentucky           | 2,908                             | 2,889   | 2,880   | 3,125   | 3,278   | 3,945             | 4.9  |
| Texas              | 19,030                            | 19,699  | 21,806  | 25,280  | 27,297  | 32,673            | 8.5  |
| Far Western        | 134,129                           | 137,848 | 141,242 | 147,715 | 157,874 | 163,831           | 7.9  |
| Montana            | 19,044                            | 18,751  | 19,323  | 20,640  | 23,530  | 24,229            | 8.6  |
| Idaho              | 13,704                            | 14,952  | 14,450  | 14,309  | 14,507  | 15,120            | 8.4  |
| Wyoming            | 19,034                            | 18,293  | 19,060  | 21,362  | 22,338  | 25,000            | 8.6  |
| Colorado           | 6,138                             | 6,488   | 6,486   | 6,802   | 7,740   | 8,118             | 7.3  |
| New Mexico         | 11,382                            | 10,647  | 11,224  | 11,064  | 12,060  | 12,600            | 8.0  |
| Arizona            | 7,182                             | 7,202   | 6,448   | 6,458   | 6,758   | 6,336             | 6.0  |
| Utah               | 11,800                            | 17,163  | 17,970  | 18,010  | 19,430  | 19,973            | 8.5  |
| Nevada             | 6,990                             | 8,413   | 7,597   | 7,560   | 8,730   | 8,613             | 7.3  |
| Washington         | 3,612                             | 4,027   | 4,365   | 4,360   | 4,194   | 4,770             | 9.8  |
| Oregon             | 15,355                            | 14,790  | 15,840  | 16,938  | 18,321  | 18,128            | 8.8  |
| California         | 15,899                            | 17,124  | 18,350  | 19,912  | 20,276  | 21,540            | 7.5  |
| Total              | 42,000                            | 42,500  | 43,600  | 46,800  | 50,600  | 50,100            |  |

In States where sheep are shorn twice a year this figure covers wool per head of sheep shorn and not weight per fleece.

<sup>2</sup> Preliminary.

<sup>3</sup> Estimated from returns of plants pulling from 80 to 90 per cent of all wool.

**No. 599.—WOOL CONSUMED IN MANUFACTURES: 1923 to 1927**

[NOTE.—All figures in thousands of pounds. These figures do not include the consumption of one large and several small concerns. The gross equivalent of the totals shown below is as follows. 1923, 641,607,000 pounds; 1924, 587,760,000; 1925, 536,285,213; 1926, 510,032,772; 1927, 551,528,052.]

| Class and grade             | Total   |         |         |         |         | 1927    |         |        |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|--------|
|                             | 1923    | 1924    | 1925    | 1926    | 1927    | Grease  | Scoured | Pulled |
| Total                       | 650,878 | 460,408 | 450,021 | 439,356 | 477,118 | 383,096 | 64,568  | 29,594 |
| Domestic                    | 194,907 | 230,323 | 213,134 | 209,662 | 237,104 | 190,929 | 48,063  | 19,012 |
| Foreign                     | 355,971 | 230,079 | 236,887 | 237,694 | 220,014 | 192,167 | 16,505  | 10,512 |
| Combings                    |         |         |         |         |         |         |         |        |
| Domestic                    | 126,750 | 164,611 | 147,837 | 139,142 | 186,815 | 173,063 | 4,714   | 9,008  |
| Foreign                     | 175,235 | 85,740  | 90,025  | 165,843 | 80,480  | 70,063  | 3,234   | 1,183  |
| Wool                        |         |         |         |         |         |         |         |        |
| Domestic                    | 68,318  | 65,712  | 65,297  | 61,520  | 70,289  | 16,936  | 43,349  | 10,004 |
| Foreign                     | 31,071  | 20,835  | 15,082  | 12,823  | 10,616  | 1,665   | 8,377   | 574    |
| Clothing and combing combed |         |         |         |         |         |         |         |        |
| Fine                        | 108,835 | 109,004 | 102,745 | 102,754 | 120,153 | 104,963 | 11,659  | 3,531  |
| Coarse half blood           | 62,395  | 57,440  | 54,117  | 51,341  | 56,269  | 41,056  | 11,210  | 4,003  |
| Three eighths blood         | 88,496  | 68,438  | 66,017  | 67,569  | 67,322  | 43,690  | 16,556  | 7,064  |
| One fourth blood            | 118,412 | 77,953  | 72,843  | 68,150  | 67,917  | 48,969  | 13,998  | 4,960  |
| Low or Lincoln              | 23,916  | 24,061  | 22,489  | 28,523  | 36,509  | 29,069  | 6,251   | 1,189  |
| Wool                        | 149,164 | 123,504 | 131,810 | 119,026 | 126,918 | 115,269 | 4,894   | 8,755  |

SOURCE.—Table 399, Bureau of Agricultural Economics, Department of Agriculture; Table 599, Bureau of the Census, Department of Commerce.

### No. 600.—ANIMAL FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS

[NOTE.—Only major materials and products are shown. The figures for products in some cases include and in other cases exclude data for the specified commodities made as secondary products by establishments classified in other industries; and in the cases of certain commodities the data for these secondary products are included for 1925 but not for earlier years. No data for establishments having products under \$5,000 in value are included for 1923 or 1925; change has little effect on comparability with 1914.]

| Industry, material, and product   | Quantity (thousands of unit specified) |             |             |             | Cost or value (thousands of dollars) |             |             |
|---|--|-------------|-------------|-------------|--------------------------------------|-------------|-------------|
|   | Unit                                   | 1914        | 1923        | 1925        | 1914                                 | 1923        | 1925        |
| <b>BUTTER, CHEESE, AND CONDENSED MILK</b>   |  |             |             |             |                                      |             |             |
| Materials used, total cost.....   |  |             |             |             | 815, 686                             | 819, 976    | 947, 686    |
| Milk.....   | Pounds                                 | 8, 431, 426 | (1)         | (1)         | 114, 268                             | (1)         | (1)         |
| Cream.....  | do                                     | 2, 384, 085 | (1)         | (1)         | 160, 984                             | (1)         | (1)         |
| Skimmed milk.....   | do                                     | 526, 041    | (1)         | (1)         | 994                                  | (1)         | (1)         |
| All other.....  |  |             |             |             | 28, 800                              | (1)         | (1)         |
| All products, total value.....  |  |             |             |             | 294, 265                             | 944, 261    | 952, 496    |
| Butter.....   | Pounds                                 | 769, 810    | 1, 308, 499 | 1, 455, 635 | 212, 621                             | 579, 463    | 932, 799    |
| Cheese, total.....  | do                                     | 376, 279    | 568, 649    | 587, 798    | 59, 377                              | 194, 691    | 114, 971    |
| Cheese, other than cottage, pot, and bakers'.....   | do                                     | 332, 691    | 525, 919    | 506, 749    | 47, 433                              | 129, 716    | 111, 739    |
| Cheese, cottage, pot, and bakers'.....  | do                                     | 37, 588     | 37, 721     | 81, 049     | 2, 944                               | 2, 375      | 4, 232      |
| Condensed and evaporated milk, total.....   | do                                     | 873, 411    | 1, 681, 143 | 1, 813, 649 | 56, 747                              | 194, 679    | 144, 394    |
| Condensed, sweetened.....   | do                                     | 267, 870    | 404, 156    | 430, 697    | 21, 585                              | 45, 137     | 28, 745     |
| Condensed, unsweetened.....   | do                                     | 331, 898    | 1, 416, 987 | 1, 383, 145 | 19, 928                              | 113, 933    | 106, 839    |
| Evaporated.....   | do                                     | 273, 643    |             |             | 17, 234                              |             |             |
| Casein dried.....   | do                                     | 18, 570     | 21, 371     | 21, 978     | 976                                  | 2, 802      | 2, 232      |
| Powdered milk, cream, etc.....  | do                                     | 20, 454     | 92, 434     | 111, 632    | 1, 968                               | 11, 926     | 11, 957     |
| Sugar of milk.....  | do                                     | 4, 051      | 7, 747      | 6, 126      | 491                                  | 908         | 899         |
| Other products.....   |  |             |             |             | 33, 793                              | 73, 376     | 69, 235     |
| <b>SLAUGHTERING AND MEAT PACKING</b>  |  |             |             |             |                                      |             |             |
| Materials used, total cost.....   |  |             |             |             | 1, 441, 663                          | 2, 176, 010 | 2, 625, 198 |
| Animals slaughtered:  |  |             |             |             |                                      |             |             |
| Beeves.....   | Number                                 | 7, 149      | 10, 178     | 10, 854     | 490, 108                             | (1)         | (1)         |
| Calves.....   | do                                     | 2, 019      | 5, 100      | 5, 776      | 27, 623                              | (1)         | (1)         |
| Sheep and lambs.....  | do                                     | 15, 944     | 13, 194     | 13, 616     | 84, 784                              | (1)         | (1)         |
| Hogs.....   | do                                     | 34, 442     | 57, 018     | 48, 073     | 597, 098                             | (1)         | (1)         |
| Dressed meats purchased.....  |  | (1)         | (1)         | (1)         | 124, 335                             | (1)         | (1)         |
| All other materials.....  |  | (1)         | (1)         | (1)         | 117, 715                             | (1)         | (1)         |
| All products, total value.....  |  |             |             |             | 1, 651, 965                          | 2, 555, 804 | 2, 660, 296 |
| Fresh meat:   |  |             |             |             |                                      |             |             |
| Beef.....   | Pounds                                 | 3, 658, 334 | 4, 834, 721 | 5, 064, 508 | 421, 297                             | 607, 469    | 661, 102    |
| Veal.....   | do                                     | 194, 699    | 498, 968    | 575, 963    | 26, 299                              | 71, 681     | 87, 189     |
| Mutton and lamb.....  | do                                     | 629, 233    | 510, 904    | 521, 993    | 74, 676                              | 113, 742    | 128, 212    |
| Pork.....   | do                                     | 1, 877, 099 | 3, 265, 684 | 2, 827, 926 | 226, 536                             | 429, 105    | 516, 409    |
| Edible offal and other fresh meats.....   | do                                     | 280, 091    | 517, 810    | 540, 291    | 17, 647                              | 39, 144     | 50, 965     |
| Cured meat:   |  |             |             |             |                                      |             |             |
| Beef.....   | do                                     | 91, 572     | 75, 064     | 84, 197     | 14, 395                              | 15, 503     | 17, 911     |
| Pork.....   | do                                     | 2, 929, 310 | 3, 900, 035 | 3, 295, 937 | 393, 606                             | 609, 185    | 751, 804    |
| Canned meats and canned sausage.....  | do                                     | 234, 803    | 95, 134     | 118, 576    | 36, 263                              | 19, 703     | 24, 334     |
| Sausage (not canned), and sausage casings, meat puddings, head cheese, scrapple, etc..... | do                                     | 546, 940    | 899, 996    | 995, 278    | 71, 916                              | 146, 801    | 196, 743    |
| Lard.....   | do                                     | 1, 119, 189 | 2, 131, 903 | 1, 672, 334 | 120, 414                             | 263, 887    | 279, 625    |
| Cattle hides.....   | do                                     | 415, 891    | 579, 544    | 621, 381    | 69, 959                              | 66, 007     | 80, 797     |
| Calfskins.....  | do                                     | 18, 648     | 47, 005     | 56, 092     | 3, 513                               | 7, 269      | 11, 009     |
| Sheep pelts.....  | Number                                 | 15, 917     | 10, 895     | 10, 832     | 13, 624                              | 17, 898     | 22, 553     |
| All other skins.....  | Pounds                                 | (1)         | 537         | 1, 054      | 389                                  | 52          | 101         |
| Wool.....   | do                                     | 26, 432     | 30, 946     | 32, 235     | 7, 938                               | 19, 097     | 23, 479     |
| All other products.....   |  |             |             |             | 153, 493                             | 159, 261    | 197, 982    |

<sup>1</sup> Not reported separately.

Source: Bureau of the Census, Department of Commerce.

## 28.—FARM CROPS AND FOODSTUFFS

### No. 601.—INDEX NUMBERS OF THE MASS OF CROP PRODUCTION

[NOTE.—Average production of 1910-1914 equals 100. Production of each crop each year is multiplied by a constant price, and the aggregate is divided by the average aggregate of base years]

| Period or year | Production index | Year      | Production index | Year      | Production index | Year      | Production index |
|----------------|------------------|-----------|------------------|-----------|------------------|-----------|------------------|
| 1890-1894..... | 62               | 1895..... | 71               | 1906..... | 99               | 1917..... | 108              |
| 1895-1899..... | 78               | 1896..... | 77               | 1907..... | 89               | 1918..... | 107              |
| 1900-1904..... | 85               | 1897..... | 75               | 1908..... | 94               | 1919..... | 108              |
| 1905-1909..... | 94               | 1898..... | 85               | 1909..... | 94               | 1920..... | 117              |
| 1910-1914..... | 100              | 1899..... | 82               | 1910..... | 97               | 1921..... | 100              |
| 1915-1919..... | 108              | 1900..... | 81               | 1911..... | 91               | 1922..... | 110              |
| 1920-1925..... | 110              | 1901..... | 74               | 1912..... | 110              | 1923..... | 110              |
| 1891.....      | 70               | 1902..... | 91               | 1913..... | 95               | 1924..... | 111              |
| 1892.....      | 62               | 1903..... | 84               | 1914..... | 107              | 1925..... | 112              |
| 1893.....      | 61               | 1904..... | 92               | 1915..... | 116              | 1926..... | 114              |
| 1894.....      | 62               | 1905..... | 94               | 1916..... | 100              | 1927..... | 115              |

### No. 602.—INDEX NUMBERS OF CROP YIELDS

[NOTE.—Index numbers each year are relative to the average yield for the 10 preceding years; data for the several States are weighted according to crop values in 1919]

| Year      | United States | North Atlantic | North Central | South Atlantic | South Central | Western |
|-----------|---------------|----------------|---------------|----------------|---------------|---------|
| 1911..... | 90.6          | 91.6           | (1)           | 99.6           | 91.2          | 99.4    |
| 1912..... | 107.7         | 106.8          | (1)           | 103.6          | 105.8         | 102.9   |
| 1913..... | 93.3          | 95.5           | 90.7          | 103.5          | 92.3          | 95.1    |
| 1914..... | 102.3         | 109.3          | 99.4          | 105.1          | 103.1         | 102.6   |
| 1915..... | 108.0         | 98.9           | 114.4         | 99.6           | 103.8         | 102.1   |
| 1916..... | 95.1          | 108.9          | 92.6          | 102.9          | 88.0          | 97.7    |
| 1917..... | 102.0         | 104.6          | 107.3         | 100.7          | 93.0          | 91.2    |
| 1918..... | 97.6          | 101.2          | 103.6         | 100.3          | 83.6          | 85.3    |
| 1919..... | 99.8          | 104.8          | 100.4         | 93.1           | 105.5         | 88.5    |
| 1920..... | 106.9         | 107.9          | 109.8         | 100.4          | 107.4         | 96.9    |
| 1921..... | 91.7          | 90.3           | 92.9          | 80.8           | 92.9          | 98.3    |
| 1922..... | 96.7          | 104.1          | 103.0         | 84.4           | 89.9          | 95.5    |
| 1923..... | 96.1          | 100.3          | 101.0         | 90.6           | 82.8          | 106.8   |
| 1924..... | 98.1          | 107.3          | 102.7         | 88.4           | 97.6          | 86.2    |
| 1925..... | 99.6          | 104.3          | 97.8          | 91.9           | 92.4          | 103.9   |
| 1926..... | 104.6         | 105.1          | 91.9          | 108.4          | 121.5         | 103.2   |
| 1927..... | 102.5         | 102.3          | 101.7         | 98.3           | 99.3          | 111.6   |

<sup>1</sup> The weighted index numbers for the North Central as a whole are not available, but indexes for the two divisions which comprise the North Central are as follows: East North Central, 1911, 95.5; 1912, 106.1; West North Central, 1911, 78.1; 1912, 117.3.

### No. 603.—AVERAGE VALUE PER ACRE OF 10 LEADING CROPS COMBINED

[NOTE.—Corn, wheat, oats, barley, rye, buckwheat, potatoes, hay, tobacco, and cotton. These comprise nearly 90 per cent of the area in all field crops, and their average value closely approximates the value per acre of the aggregate of all crops. The value is based on average farm price of Dec. 1]

| Period         | Average crop value per acre | Year      | Average crop value per acre | Year      | Average crop value per acre | Year      | Average crop value per acre |
|----------------|-----------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|-----------------------------|
| 1866-1870..... | \$14.70                     | 1892..... | \$10.10                     | 1904..... | \$13.26                     | 1916..... | \$22.58                     |
| 1871-1875..... | 14.05                       | 1893..... | 9.50                        | 1905..... | 13.28                       | 1917..... | 33.27                       |
| 1876-1880..... | 11.89                       | 1894..... | 9.06                        | 1906..... | 13.46                       | 1918..... | 33.73                       |
| 1881-1885..... | 11.33                       | 1895..... | 8.12                        | 1907..... | 14.74                       | 1919..... | 35.74                       |
| 1886-1890..... | 9.97                        | 1896..... | 7.94                        | 1908..... | 15.32                       | 1920..... | 23.26                       |
| 1891-1895..... | 9.71                        | 1897..... | 9.07                        | 1909..... | 16.00                       | 1921..... | 14.45                       |
| 1896-1900..... | 9.09                        | 1898..... | 9.00                        | 1910..... | 15.53                       | 1922..... | 19.23                       |
| 1901-1905..... | 12.53                       | 1899..... | 9.13                        | 1911..... | 15.36                       | 1923..... | 21.52                       |
| 1906-1910..... | 15.01                       | 1900..... | 10.31                       | 1912..... | 16.09                       | 1924..... | 23.88                       |
| 1911-1915..... | 16.31                       | 1901..... | 11.43                       | 1913..... | 16.49                       | 1925..... | 21.17                       |
| 1916-1920..... | 29.72                       | 1902..... | 12.07                       | 1914..... | 16.44                       | 1926..... | 19.07                       |
| 1921-1925..... | 20.05                       | 1903..... | 12.62                       | 1915..... | 17.18                       | 1927..... | 20.89                       |

Source of Tables 601, 602, and 603: Bureau of Agricultural Economics, Department of Agriculture.

## No. 604.—PRODUCTION OF PRINCIPAL AGRICULTURAL COMMODITIES

[NOTE.—Blank lines indicate that data are not available. All crops are for calendar years except sugar, which is for the crop year ending July of year specified]

| Year | Corn          | Wheat         | Rice <sup>1</sup> | Sugar        |              | Cotton <sup>1</sup>        |                              | Wool         |
|------|---------------|---------------|-------------------|--------------|--------------|----------------------------|------------------------------|--------------|
|      |               |               |                   | Beet         | Cane         | Running bales <sup>2</sup> | 500-pound bales <sup>3</sup> |              |
|      | 1,000 bushels | 1,000 bushels | 1,000 pounds      | 1,000 pounds | 1,000 pounds | Thousands                  | Thousands                    | 1,000 pounds |
| 1800 |               |               | 87,234            |              |              | 154                        | 73                           |              |
| 1810 |               |               | 78,805            |              |              | 286                        | 179                          |              |
| 1820 |               |               | 53,292            |              |              | 576                        | 325                          |              |
| 1830 |               |               | 81,352            |              |              | 1,026                      | 732                          |              |
| 1840 | 377,532       | 84,823        | 94,253            |              | 120,851      | 1,635                      | 1,348                        | 35,502       |
| 1850 | 592,071       | 100,486       | 102,576           |              | 247,577      | 2,454                      | 2,136                        | 52,517       |
| 1855 |               |               | 103,606           |              | 414,725      | 3,666                      | 3,221                        |              |
| 1860 | 838,793       | 173,105       | 100,279           |              | 230,962      | 3,849                      | 3,841                        | 60,265       |
| 1865 |               |               | 10,246            |              | 11,200       | 2,289                      | 2,094                        | 142,000      |
| 1870 | 1,094,255     | 235,385       | 54,889            | 808          | 87,042       | 4,352                      | 4,026                        | 106,102      |
| 1875 | 1,321,069     | 202,136       | 83,861            |              | 142,242      | 4,632                      | 4,303                        | 181,000      |
| 1878 | 1,368,219     | 420,122       | 81,514            |              | 159,042      | 5,074                      | 4,743                        | 208,250      |
| 1879 | 1,825,163     | 490,893       | 85,597            | 448          | 250,880      | 5,755                      | 5,466                        | 211,000      |
| 1880 | 1,435         | 498,850       | 111,869           | 2,688        | 178,872      | 6,006                      | 6,357                        | 240,692      |
| 1881 | 1,194,910     | 363,280       | 102,605           |              | 285,302      | 5,456                      | 5,136                        | 240,000      |
| 1882 | 1,617,025     | 504,165       | 99,985            | 1,120        | 171,076      | 6,950                      | 6,833                        | 272,000      |
| 1883 | 1,551,067     | 421,086       | 110,700           |              | 318,746      | 6,773                      | 5,522                        | 290,000      |
| 1884 | 1,795,529     | 712,765       | 100,502           | 1,198        | 302,944      | 6,682                      | 5,477                        | 300,000      |
| 1885 | 1,936,176     | 357,112       | 160,105           | 2,134        | 225,962      | 6,576                      | 6,369                        | 306,000      |
| 1886 | 1,665,441     | 457,218       | 156,670           | 1,344        | 302,754      | 6,505                      | 6,315                        | 302,000      |
| 1887 | 1,456,161     | 466,329       | 113,631           | 1,792        | 191,282      | 7,047                      | 6,885                        | 265,000      |
| 1888 | 1,987,700     | 415,808       | 134,733           |              | 375,004      | 8,938                      | 6,924                        | 269,000      |
| 1889 | 1,969,048     | 434,383       | 131,722           | 4,168        | 344,756      | 7,473                      | 7,473                        | 265,000      |
| 1890 | 1,460,400     | 378,097       | 136,806           | 4,934        | 301,264      | 8,653                      | 8,567                        | 260,827      |
| 1891 | 2,655,823     | 584,304       | 156,806           | 7,748        | 497,170      | 9,036                      | 8,941                        | 286,000      |
| 1892 | 1,713,688     | 527,967       | 237,847           | 12,004       | 370,590      | 6,700                      | 6,658                        | 294,000      |
| 1893 | 1,707,572     | 427,553       | 122,865           | 27,064       | 498,456      | 7,493                      | 7,433                        | 348,536      |
| 1894 | 1,339,680     | 516,466       | 109,821           | 45,192       | 610,826      | 9,001                      | 10,086                       | 325,211      |
| 1895 | 2,310,952     | 509,456       | 168,665           | 45,006       | 729,304      | 7,161                      | 7,147                        | 294,267      |
| 1896 | 2,503,484     | 544,193       | 96,888            | 65,472       | 643,036      | 8,433                      | 8,516                        | 272,475      |
| 1897 | 2,213,556     | 610,214       | 110,302           | 84,060       | 644,177      | 10,548                     | 10,985                       | 259,153      |
| 1898 | 2,119         | 713           | 90,36             | 30,40        | 708,112      | 11,386                     | 11,435                       | 267,721      |
| 1899 | 2,149,628     | 601,111       | 211,278           | 72,76        | 58,788       | 11,393                     | 9,345                        | 212,191      |
| 1900 | 2,067,148     | 602,108       | 253,10            | 104,48       | 22,48        | 10,02                      | 10,123                       | 311,211      |
| 1901 | 2,113,629     | 788,138       | 188,66            | 172,164      | 675,71       | 9,583                      | 9,710                        | 311,612      |
| 1902 | 2,110,590     | 713,808       | 129               | 700,211      | 28,110       | 10,566                     | 10,631                       | 317,341      |
| 1903 | 2,110,80      | 800,973       | 400,710           | 146,811      | 41,806       | 9,820                      | 9,85                         | 287,140      |
| 1904 | 2,28,062      | 690,51        | 80,005            | 481,285      | 136,140      | 13,451                     | 13,438                       | 297,763      |
| 1905 | 2,18,519      | 726,516       | 377,974           | 481,520      | 820,000      | 10,495                     | 10,575                       | 297,186      |
| 1906 | 2,800,662     | 706,77        | 490,976           | 62,812       | 181,204      | 12,983                     | 13,274                       | 298,413      |
| 1907 | 2,12,067      | 637,081       | 520,504           | 967,224      | 743,790      | 11,058                     | 11,107                       | 298,266      |
| 1908 | 2,14,977      | 644,656       | 608,080           | 927,250      | 788,450      | 13,086                     | 13,242                       | 311,139      |
| 1909 | 2,12,330      | 700,111       | 572,421           | 851,788      | 828,800      | 10,073                     | 10,005                       | 310,13       |
| 1910 | 2,886,260     | 635,121       | 680,859           | 1,021,968    | 663,452      | 11,568                     | 11,609                       | 321,403      |
| 1911 | 2,11,488      | 621,338       | 137,011           | 1,020,344    | 711,080      | 15,553                     | 15,693                       | 318,11       |
| 1912 | 3,123,746     | 730,267       | 665,373           | 1,199,000    | 721,748      | 13,489                     | 13,703                       | 301,046      |
| 1913 | 2,136,988     | 763,380       | 711,117           | 1,385,112    | 525,147      | 13,983                     | 14,156                       | 298,177      |
| 1914 | 2,072,864     | 801,017       | 656,922           | 1,466,862    | 601,075      | 15,906                     | 16,135                       | 290,192      |
| 1915 | 2,164,763     | 1,127,801     | 803,000           | 1,414,108    | 763,028      | 11,068                     | 11,192                       | 287,78       |
| 1916 | 2,164,922     | 1,013,318     | 1,113,067         | 1,748,440    | 277,240      | 11,364                     | 11,450                       | 288,490      |
| 1917 | 4,06,236      | 630,177       | 964,880           | 1,641,311    | 621,799      | 11,248                     | 11,302                       | 281,612      |
| 1918 | 2,500,111     | 621,438       | 1,072,397         | 1,130,411    | 191,680      | 11,906                     | 12,041                       | 298,00       |
| 1919 | 2,811,612     | 967,879       | 1,190,259         | 1,521,000    | 568,800      | 11,326                     | 11,421                       | 298,00       |
| 1920 | 3,08,81       | 833,027       | 1,110,289         | 1,452,962    | 244,240      | 13,271                     | 13,440                       | 287,00       |
| 1921 | 48,46         | 811,007       | 1,114,778         | 2,378,004    | 172,204      | 7,978                      | 7,901                        | 287,00       |
| 1922 | 68,000        | 807,118       | 1,010,000         | 2,641,000    | 610,322      | 9,729                      | 9,712                        | 287,00       |
| 1923 | 110,000       | 97,004        | 1,010,000         | 4,000        | 1,000        | 10,171                     | 9,140                        | 288,00       |
| 1924 | 110,000       | 804,128       | 1,010,000         | 1,010,000    | 1,010,000    | 13,650                     | 13,628                       | 290,00       |
| 1925 | 110,000       | 1,010,000     | 1,010,000         | 1,010,000    | 1,010,000    | 16,123                     | 16,104                       | 290,00       |
| 1926 | 110,000       | 1,010,000     | 1,010,000         | 1,010,000    | 1,010,000    | 17,777                     | 17,977                       | 290,00       |
| 1927 | 2,280,288     | 810,000       | 1,010,000         | 1,010,000    | 1,010,000    | 12,778                     | 12,950                       | 290,00       |

<sup>1</sup> For 1800 to 1849 based on official report of the Government given by Dan Talmage's Sons, and for 1850 to 1889 based on official report of the Government for each year and subsequent years.

<sup>2</sup> For 1800 to 1849 based on official report of the Government.

<sup>3</sup> For 1800 to 1849 based on official report of the Government.

<sup>4</sup> Annual production not over 100,000 pounds in any year.

Sources: Cotton, 1880 to date, Bureau of the Census; Department of Commerce, oil or figures, Bureau of Agriculture; Wool, 1880 to date, Bureau of the Census; Department of Agriculture.



**No. 605.—CROP VALUES: COMPARATIVE STATEMENT SHOWING CHANGE BETWEEN 1919 AND 1924 DUE TO PRODUCTION, AND DECREASE BETWEEN 1919 AND 1924 RESULTING FROM LOWER PRICES: CENSUS STATISTICS**

[NOTE.—All amounts in thousands of dollars. Crops not reported by quantity are omitted]

| Crop   | Value of crops <sup>1</sup> |  |                   | Increase or decrease in crop values, 1919 to 1924 <sup>2</sup> |          |                                       |          |   |          |
|--|-----------------------------|--|-------------------|--|----------|---------------------------------------|----------|---|----------|
|  | As reported, 1919           | Com-puted for 1924 on basis of 1919 prices | As reported, 1924 | Gross change :   |          | Change due to production <sup>4</sup> |          | Decrease due to lower prices <sup>5</sup> |          |
|  |                             |  |                   | Amount   | Per cent | Amount                                | Per cent | Amount                                    | Per cent |
| All crops, including hay and forage.....           | 12,937,981                  |  | 7,463,030         | -5,474,952   | -42      |                                       |          |   |          |
| All crops, excluding hay and forage.....           | 10,631,956                  | 10,241,624                                 | 6,252,419         | -4,379,557   | -41      | -390,352                              | -4       | 3,989,205                                 | 39       |
| Cereals.....                                       | 6,921,227                   | 6,009,672                                  | 3,804,372         | -3,116,856   | -45      | -911,556                              | -13      | 2,205,300                                 | 37       |
| Corn harvested for grain.....                      | 3,507,797                   | 2,727,303                                  | 1,868,569         | -1,639,228   | -47      | -780,494                              | -22      | 858,733                                   | 31       |
| Wheat.....   | 2,074,079                   | 1,757,011                                  | 1,037,627         | -1,036,452   | -50      | -317,068                              | -15      | 719,384                                   | 41       |
| Oats threshed for grain.....                       | 855,255                     | 1,057,417                                  | 610,498           | -244,758   | -29      | +202,161                              | +24      | 446,919                                   | 42       |
| Barley.....  | 160,427                     | 209,222                                    | 122,082           | -38,346  | -24      | -48,795                               | +30      | 87,140                                    | 42       |
| Rye.....   | 116,538                     | 85,379                                     | 57,886            | -58,652  | -50      | -31,159                               | -27      | 27,493                                    | 32       |
| Buckwheat.....                                     | 19,715                      | 18,648                                     | 12,852            | -6,863   | -35      | -1,067                                | -5       | 5,797                                     | 31       |
| Sorghums harvested for grain.....                  | 90,221                      | 73,468                                     | 52,321            | -37,900  | -42      | -16,753                               | -19      | 21,147                                    | 29       |
| Rice (rough).....                                  | 97,194                      | 81,224                                     | 42,537            | -54,658  | -56      | -15,970                               | -16      | 38,687                                    | 48       |
| Peanuts.....                                       | 62,752                      | 61,492                                     | 35,308            | -27,444  | -44      | -1,259                                | -2       | 26,185                                    | 43       |
| Flaxseed.....                                      | 29,361                      | 124,650                                    | 68,135            | +36,774  | +125     | +95,289                               | +325     | 58,515                                    | 47       |
| Hay and forage, excluding corn cut for forage..... | 2,306,026                   |  | 1,210,611         | -1,095,415   | -45      |                                       |          |   |          |
| Sugar beets grown for sugar.....                   | 66,052                      | 77,027                                     | 55,754            | -10,298  | -16      | +10,975                               | +17      | 21,272                                    | 28       |
| Miscellaneous crops.....                           | 3,215,420                   | 3,608,144                                  | 2,057,971         | -1,157,449   | -36      | +392,723                              | +12      | 1,550,172                                 | 43       |
| Potatoes (Irish or white).....                     | 639,441                     | 776,023                                    | 223,925           | -415,515   | -65      | +136,583                              | +21      | 552,098                                   | 71       |
| Sweet potatoes and yams.....                       | 124,844                     | 59,861                                     | 53,812            | -71,033  | -57      | -64,983                               | -52      | 6,049                                     | 10       |
| Tobacco.....                                       | 443,705                     | 357,812                                    | 211,733           | -231,972   | -52      | -85,893                               | -19      | 146,080                                   | 41       |
| Cotton.....  | 2,007,430                   | 2,414,447                                  | 1,568,501         | -438,929   | -22      | +407,017                              | +20      | 845,946                                   | 35       |
| Apples.....  | 241,574                     | 270,598                                    | 174,821           | -66,753  | -28      | +29,022                               | +12      | 95,775                                    | 35       |
| Leaves.....  | 95,570                      | 90,044                                     | 58,058            | -37,512  | -39      | -5,526                                | -6       | 31,985                                    | 36       |

<sup>1</sup> Value of crops with production reported in 1924, exclusive of sugar cane.

<sup>2</sup> A minus sign (-) denotes decrease and a plus sign (+) an increase.

<sup>3</sup> Change in value as actually reported, due to change in production and to lower prices.

<sup>4</sup> Increase or decrease in value on basis of 1919 prices for both 1919 and 1924 crops. The percentages in this section represent the net quantitative increase or decrease in production.

<sup>5</sup> Decrease of actual 1924 values over values computed for 1924 on basis of 1919 prices.

Source: Bureau of the Census, Department of Commerce.

No. 608.—ACREAGE, PRODUCTION, AND VALUE OF ALL CROPS IN THE UNITED STATES: CENSUS STATISTICS, 1899 TO 1934.

| Crop  | Acreage (thousands) |         |         | Production in thousands of units indicated |        |                  |                  |                  |                  | Value in thousands of dollars |                  |                  |
|---|---------------------|---------|---------|--|--------|------------------|------------------|------------------|------------------|-------------------------------|------------------|------------------|
|   | 1934                | 1929    | 1919    | 1924                                       | Unit   | 1909             | 1904             | 1909             | 1914             | 1929                          | 1934             | 1934             |
| <b>All crops.</b>                                   |                     |         |         |  |        |                  |                  |                  |                  |                               |                  |                  |
| <b>With acreage reports.</b>                        |                     |         |         |  |        |                  |                  |                  |                  |                               |                  |                  |
| <b>With no acreage reports.</b>                     |                     |         |         |  |        |                  |                  |                  |                  |                               |                  |                  |
| <b>Cereals.</b>                                     |                     |         |         |  |        |                  |                  |                  |                  |                               |                  |                  |
| Corn harvested for grain.                           | 184,983             | 191,398 | 319,091 | 198,336                                    | Bushel | 4,438,897        | 4,612,664        | 2,552,100        | 2,345,838        | 2,552,100                     | 2,345,838        | 2,552,100        |
| Wheat   | 94,914              | 98,383  | 87,772  | 82,320                                     | do.    | 2,086,394        | 2,552,100        | 2,552,100        | 2,345,838        | 2,552,100                     | 2,345,838        | 2,552,100        |
| Oats threshed for grain.                            | 52,580              | 44,263  | 73,099  | 50,802                                     | do.    | 658,534          | 658,534          | 658,534          | 658,534          | 658,534                       | 658,534          | 658,534          |
| Barley  | 29,540              | 36,159  | 37,901  | 37,050                                     | do.    | 943,389          | 1,007,143        | 1,007,143        | 1,007,143        | 1,007,143                     | 1,007,143        | 1,007,143        |
| Rye   | 4,470               | 7,698   | 6,478   | 6,767                                      | do.    | 119,536          | 173,344          | 173,344          | 173,344          | 173,344                       | 173,344          | 173,344          |
| Buckwheat   | 2,064               | 2,196   | 7,679   | 3,744                                      | do.    | 26,569           | 26,569           | 26,569           | 26,569           | 26,569                        | 26,569           | 26,569           |
| Rumper and spelt.                                   | 807                 | 878     | 7,743   | 7,717                                      | do.    | 11,234           | 14,849           | 14,849           | 12,800           | 12,800                        | 12,800           | 12,800           |
| Sorghums harvested for grain.                       | 267                 | 1,635   | 3,619   | 3,826                                      | do.    | 5,109            | 17,597           | 17,597           | 72,086           | 72,086                        | 72,086           | 72,086           |
| Rice (dry)  | 342                 | 010     | 010     | 744  | do.    | 9,008            | 21,829           | 21,829           | 35,381           | 35,381                        | 35,381           | 35,381           |
| Mixed crops   |                     |         | 577     | ( <sup>1</sup> )                           | do.    |                  |                  |                  | 14,006           | 14,006                        | 14,006           | 14,006           |
| <b>Other grains and seeds with acreage reports.</b> |                     |         |         |  |        |                  |                  |                  |                  |                               |                  |                  |
| Dry and live beans                                  | 4,076               | 4,157   | 4,408   | ( <sup>1</sup> )                           | Bushel | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )              | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Soy beans   | 464                 | 803     | 1,162   | 1,087                                      | do.    | 4,004            | 11,261           | 11,261           | 14,079           | 14,079                        | 14,079           | 14,079           |
| Other beans   |                     | 13      | 2       | ( <sup>1</sup> )                           | do.    |                  |                  |                  | 1,085            | 1,085                         | 1,085            | 1,085            |
| Dry peas.   |                     | 1,206   | 866     | ( <sup>1</sup> )                           | do.    |                  |                  |                  | 5,742            | 5,742                         | 5,742            | 5,742            |
| Peanuts   |                     | 670     | 1,125   | 1,106                                      | do.    |                  |                  |                  | 27,450           | 27,450                        | 27,450           | 27,450           |
| Flaxseed  |                     | 2,111   | 1,261   | 3,435                                      | do.    |                  |                  |                  | 6,888            | 6,888                         | 6,888            | 6,888            |
| Miscellaneous seeds                                 |                     | 81      | 124     | ( <sup>1</sup> )                           | do.    |                  |                  |                  | ( <sup>1</sup> ) | ( <sup>1</sup> )              | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| <b>seeds with no acreage reports.</b>               |                     |         |         |  |        |                  |                  |                  |                  |                               |                  |                  |
| Hay and forage, including corn cut for forage.      |                     |         |         |  |        |                  |                  |                  |                  |                               |                  |                  |
| Hay and forage, excluding corn cut for forage.      |                     |         |         |  |        |                  |                  |                  |                  |                               |                  |                  |
| Hay alone.  |                     |         |         |  |        |                  |                  |                  |                  |                               |                  |                  |
| <b>Vegetables.</b>                                  |                     |         |         |  |        |                  |                  |                  |                  |                               |                  |                  |
| Potatoes (Irish or white)                           | 5,436               | 7,073   | 5,430   | 5,012                                      | Bushel | 278,318          | 299,106          | 299,106          | 302,462          | 302,462                       | 302,462          | 302,462          |
| Sweet potatoes and yams                             | 2,939               | 3,069   | 3,252   | 3,911                                      | do.    | 43,317           | 59,292           | 59,292           | 71,002           | 71,002                        | 71,002           | 71,002           |
| Other vegetables.                                   | 2,102               | 2,763   | 1,475   | 1,634                                      | do.    | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )              | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| <b>Sugar crops.</b>                                 |                     |         |         |  |        |                  |                  |                  |                  |                               |                  |                  |
| Sugar cane  | 760                 | 1,164   | 1,491   | ( <sup>1</sup> )                           | Ton    | 4,906            | 11,519           | 11,519           | 11,519           | 11,519                        | 11,519           | 11,519           |
| Sorghum grown for syrup.                            | 367                 | 477     | 373     | 326  | do.    | 4,208            | 6,340            | 6,340            | 8,545            | 8,545                         | 8,545            | 8,545            |
| Sugar beets grown for sugar.                        | 263                 | 326     | 482     | 184  | do.    | 1,915            | 1,375            | 1,375            | 1,644            | 1,644                         | 1,644            | 1,644            |
| Mature sugar and syrup.                             | 110                 | 360     | 636     | 743  | do.    | 798              | 3,608            | 3,608            | 4,002            | 4,002                         | 4,002            | 4,002            |



# FARM CROPS

## PER CENT OF IMPROVED LAND AND OF TOTAL CROP ACRE- BY EACH PRINCIPAL CROP OR CROP GROUP

| Crop                   | Per cent of improved land occupied |      |      | Per cent of all reported crop acreage |       |       |       |
|------------------------|------------------------------------|------|------|---------------------------------------|-------|-------|-------|
|                        | 1899                               | 1909 | 1919 | 1899                                  | 1909  | 1919  | 1924  |
| All acreage reports    | 68.3                               | 63.0 | 63.3 | 100.0                                 | 100.0 | 100.0 | 100.0 |
| Wheat                  | 44.6                               | 40.0 | 43.5 | 66.3                                  | 61.5  | 69.9  | 54.0  |
| Barley                 | 22.9                               | 20.4 | 17.4 | 33.5                                  | 31.6  | 25.2  | 24.3  |
| Oats                   | 12.7                               | 9.3  | 14.5 | 18.6                                  | 14.2  | 21.0  | 15.9  |
| Other small grains     | 7.1                                | 7.3  | 7.8  | 10.4                                  | 11.3  | 10.9  | 11.1  |
| Peas, beans, and other | 1.9                                | 2.8  | 4.0  | 2.6                                   | 4.4   | 5.7   | 4.6   |
| Hay                    | 0                                  | 1.1  | .9   | 1.4                                   | 1.7   | 1.2   | 2.3   |
| Other forage           | 14.9                               | 15.1 | 16.2 | 21.6                                  | 23.3  | 23.4  | 26.3  |
| Other crops            | 3                                  | .3   | .4   | .4                                    | .4    | .5    | .5    |
| Other crops            | 5.0                                | 6.7  | 6.7  | 8.6                                   | 10.3  | 9.7   | 11.0  |
| Other crops            | 2                                  | .2   | .3   | .3                                    | .4    | .4    | .4    |
| Other crops            | 1                                  | 1    | 1    | 2                                     | 1     | 1     | 2.5   |
| Other crops            | 1.4                                | 1.5  | 1.1  | 2.0                                   | 2.3   | 1.6   | 1.5   |
| Other crops            | .7                                 | .8   | .6   | 1.0                                   | 1.2   | .9    | .9    |
| Other crops            | 1                                  | .1   | (0)  | .1                                    | .1    | .1    | .1    |

\* Including potatoes.

† Less than one tenth of 1 per cent.

Bureau of the Census, Department of Commerce.

## TABLE 608. TRUCK CROPS: COMMERCIAL ACREAGE AND PRODUCTION

[Note.—Only States with a crop of commercial importance are included.]

| Crop                  | 1922    | 1923    | 1924    | 1925    | 1926    | 1927 (prel.) | 1927, two leading States |
|-----------------------|---------|---------|---------|---------|---------|--------------|--------------------------|
| Acreage               |         |         |         |         |         |              |                          |
| Asparagus             | 32,500  | 42,050  | 50,500  | 65,530  | 84,980  | 90,100       | Calif., N. J.            |
| Beans, snap           | 43,500  | 63,280  | 84,600  | 102,550 | 95,120  | 112,310      | Pa., N. J.               |
| Cabbage               | 133,830 | 161,850 | 119,120 | 119,070 | 129,330 | 138,370      | N. Y., Tex.              |
| Cantaloupes           | 103,300 | 84,160  | 95,260  | 93,260  | 101,890 | 107,280      | Calif., Colo.            |
| Carrots               | 9,770   | 11,480  | 14,760  | 19,000  | 26,090  | 26,090       | La., Tex.                |
| Cauliflower           | 9,250   | 11,580  | 13,000  | 15,180  | 22,520  | 17,340       | Calif., N. Y.            |
| Celery                | 9,190   | 20,350  | 22,710  | 22,830  | 24,120  | 25,320       | Calif., N. Y.            |
| Corn, sweet           | 1,000   | 272,090 | 302,790 | 303,910 | 317,910 | 213,830      | Ill., Iowa               |
| Cucumbers             | 62,200  | 91,000  | 121,700 | 138,080 | 109,250 | 98,340       | Mich., Wis.              |
| Eggplant              | 2,210   | 2,470   | 4,080   | 3,490   | 3,230   | 2,870        | Fla., La.                |
| Lettuces              | 44,900  | 57,090  | 68,600  | 86,020  | 107,760 | 122,310      | Calif., Colo.            |
| Onions                | 53,290  | 61,040  | 65,960  | 65,050  | 74,200  | 71,000       | Tex., Ind.               |
| Peas, green           | 17,800  | 207,210 | 254,270 | 290,310 | 271,840 | 277,300      | Wis., N. Y.              |
| Peppers               | 7,800   | 8,030   | 11,180  | 13,700  | 15,330  | 14,600       | N. C., Fla.              |
| Potatoes, early Irish | 311,930 | 291,740 | 312,250 | 298,780 | 309,450 | 339,600      | Pa., N. C.               |
| Sprouts               | 27,790  | 30,700  | 34,300  | 44,500  | 51,580  | 54,340       | Tex., Calif.             |
| Strawberries          | 132,800 | 48,300  | 170,170 | 145,060 | 152,480 | 168,180      | La., Mo.                 |
| Tomatoes              | 445,420 | 379,280 | 441,790 | 483,750 | 372,430 | 387,280      | Fla., Calif.             |
| Watermelons           | 211,080 | 157,350 | 184,830 | 173,710 | 199,060 | 180,910      | Ga., Tex.                |
| Production            |         |         |         |         |         |              |                          |
| Asparagus             | 1,041   | 5,554   | 5,500   | 6,301   | 7,813   | 7,874        | Calif.                   |
| Beans, snap           | 80      | 100     | 111     | 145     | 110     | 122          | N. J., Fla.              |
| Cabbage               | 1,089   | 800     | 1,066   | 947     | 1,034   | 1,163        | N. Y., Wis.              |
| Cantaloupes           | 12,906  | 11,745  | 13,834  | 14,553  | 14,303  | 15,272       | Calif., Colo.            |
| Carrots               | 3,184   | 4,043   | 4,230   | 5,538   | 5,538   | 8,002        | La., N. Y.               |
| Cauliflower           | 2,589   | 3,322   | 2,741   | 3,403   | 5,538   | 4,209        | Calif., N. Y.            |
| Celery                | 5,030   | 7,477   | 7,741   | 7,087   | 7,477   | 7,407        | Calif., N. Y.            |
| Corn, sweet           | 47      | 603     | 528     | 1,014   | 81      | 380          | Iowa, Ind.               |
| Cucumbers             | 8,867   | 7,671   | 7,549   | 12,308  | 8,855   | 8,786        | Fla., Mich.              |
| Eggplant              | 850     | 850     | 767     | 806     | 791     | 740          | Fla., N. J.              |
| Lettuces              | 8,831   | 1,672   | 13,221  | 16,070  | 17,190  | 17,632       | Calif., Mich.            |
| Onions                | 18,763  | 17,360  | 9,140   | 19,423  | 21,011  | 22,494       | Tex., N. Y.              |
| Peas, green           | 182     | 81      | 274     | 242     | 261     | 237          | Wis., N. Y.              |
| Peppers               | 1,074   | 2,853   | 6,400   | 3,450   | 3,400   | 3,502        | N. J., Fla.              |
| Potatoes, early Irish | 30,700  | 21,235  | 40,203  | 30,460  | 34,615  | 40,567       | Pa., N. J.               |
| Sprouts               | 68      | 50      | 68      | 107     | 124     | 141          | Calif., Tex.             |
| Strawberries          | 290,403 | 256,409 | 318,121 | 228,677 | 277,940 | 342,284      | Mich., La.               |
| Tomatoes              | 1,058   | 1,600   | 1,087   | 2,321   | 1,876   | 1,622        | Calif., N. J.            |
| Watermelons           | 1128    | 42,734  | 57,080  | 56,408  | 69,008  | 57,220       | Ga., Fla.                |

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 609.—ESTIMATED VALUE OF 22 CROPS AND OF ALL CROPS: BY STATES

[NOTE.—The following tabulation gives the estimated total value of 22 crops—corn, wheat, oats, barley, rye, buckwheat, flaxseed, rice, potatoes, sweet potatoes, all hay, tobacco, lint cotton, beans, broomcorn, grain sorghums, hops, oranges, cloverseed, peanuts, cranberries, and apples, in 1923 to 1927, and the calculated value of all crops in 1923 to 1927, based upon ratio of the 22 crops to all crops in the census year 1919. The slight differences in the total value of crops in the United States between Table 560 and this table are due to different methods of estimating. In this table, where each State is shown separately, a more detailed method is used than is practicable in Table 560]

[Values in millions and tenths of millions of dollars]

| State          | Value 22 crops |         |         |         |         | Hypothetical value all crops |          |         |         |         |
|----------------|----------------|---------|---------|---------|---------|------------------------------|----------|---------|---------|---------|
|                | 1923           | 1924    | 1925    | 1926    | 1927    | 1923                         | 1924     | 1925    | 1926    | 1927    |
| United States  | 7,922.5        | 8,478.3 | 7,967.3 | 7,045.3 | 7,647.0 | 9,468.1                      | 10,043.4 | 9,531.5 | 8,438.5 | 9,114.8 |
| Maine          | 50.4           | 45.4    | 94.1    | 74.6    | 53.9    | 54.7                         | 49.4     | 102.2   | 81.1    | 58.6    |
| New Hampshire  | 16.2           | 14.3    | 17.0    | 15.4    | 14.7    | 20.5                         | 18.0     | 21.5    | 19.5    | 18.6    |
| Vermont        | 33.1           | 33.8    | 32.5    | 32.4    | 28.2    | 43.0                         | 43.9     | 42.2    | 42.1    | 36.6    |
| Massachusetts  | 38.6           | 29.9    | 33.3    | 30.8    | 30.3    | 56.7                         | 43.9     | 48.9    | 45.3    | 44.6    |
| Rhode Island   | 3.1            | 2.7     | 3.1     | 3.2     | 2.6     | 4.5                          | 3.9      | 4.6     | 4.6     | 3.8     |
| Connecticut    | 40.3           | 31.3    | 29.6    | 30.2    | 29.3    | 49.7                         | 38.6     | 36.6    | 37.3    | 36.2    |
| New York       | 244.5          | 228.6   | 253.9   | 219.4   | 200.2   | 317.5                        | 296.8    | 329.8   | 284.9   | 260.0   |
| New Jersey     | 38.5           | 36.1    | 42.1    | 37.2    | 35.0    | 55.0                         | 51.5     | 60.1    | 53.1    | 50.0    |
| Pennsylvania   | 221.9          | 232.7   | 257.9   | 223.9   | 214.2   | 258.1                        | 270.5    | 299.8   | 260.3   | 249.1   |
| Ohio           | 286.4          | 273.9   | 271.0   | 261.6   | 232.1   | 329.1                        | 314.8    | 311.5   | 300.7   | 266.8   |
| Indiana        | 232.5          | 240.7   | 224.3   | 202.5   | 192.5   | 258.4                        | 267.5    | 249.2   | 225.0   | 213.9   |
| Illinois       | 423.2          | 510.6   | 426.8   | 360.0   | 354.2   | 460.0                        | 555.0    | 463.9   | 391.4   | 385.1   |
| Michigan       | 196.8          | 210.5   | 221.1   | 206.0   | 186.6   | 240.0                        | 256.7    | 269.6   | 251.2   | 227.6   |
| Wisconsin      | 216.1          | 236.1   | 272.9   | 244.0   | 247.8   | 266.8                        | 291.5    | 336.9   | 301.2   | 306.0   |
| Minnesota      | 266.7          | 373.6   | 331.1   | 290.1   | 288.8   | 299.7                        | 419.8    | 372.1   | 326.0   | 324.4   |
| Iowa           | 443.2          | 490.7   | 444.2   | 405.7   | 461.6   | 481.7                        | 533.4    | 482.9   | 441.0   | 501.7   |
| Missouri       | 285.7          | 293.9   | 278.6   | 246.0   | 242.7   | 321.0                        | 330.3    | 313.0   | 276.4   | 272.7   |
| North Dakota   | 148.1          | 329.6   | 259.1   | 176.9   | 252.7   | 161.0                        | 358.2    | 281.6   | 192.3   | 274.7   |
| South Dakota   | 180.0          | 228.4   | 174.2   | 113.2   | 224.0   | 193.5                        | 245.6    | 187.3   | 121.8   | 240.8   |
| Nebraska       | 270.4          | 349.3   | 300.7   | 241.7   | 359.9   | 284.6                        | 367.7    | 316.5   | 254.4   | 378.8   |
| Kansas         | 258.6          | 415.1   | 285.2   | 303.4   | 330.0   | 284.2                        | 456.2    | 313.4   | 333.4   | 362.6   |
| Delaware       | 12.3           | 11.8    | 12.6    | 10.5    | 11.7    | 17.1                         | 16.4     | 17.5    | 14.5    | 16.2    |
| Maryland       | 56.6           | 56.3    | 60.1    | 55.8    | 56.3    | 70.8                         | 70.3     | 75.1    | 69.8    | 70.3    |
| Virginia       | 161.3          | 151.6   | 140.1   | 143.6   | 155.3   | 189.7                        | 178.3    | 164.8   | 169.0   | 182.7   |
| West Virginia  | 62.6           | 54.5    | 61.4    | 60.0    | 58.7    | 77.3                         | 67.3     | 75.7    | 74.0    | 72.4    |
| North Carolina | 378.2          | 278.3   | 294.9   | 278.8   | 314.6   | 434.7                        | 319.9    | 339.0   | 320.5   | 361.6   |
| South Carolina | 205.9          | 143.2   | 135.9   | 115.1   | 137.3   | 251.2                        | 174.7    | 165.8   | 140.3   | 167.4   |
| Georgia        | 188.9          | 206.1   | 185.6   | 169.4   | 200.5   | 236.1                        | 257.6    | 232.0   | 211.8   | 250.7   |
| Florida        | 43.9           | 37.9    | 52.2    | 53.2    | 55.0    | 70.8                         | 61.1     | 54.2    | 65.8    | 88.7    |
| Kentucky       | 212.5          | 195.3   | 175.3   | 154.9   | 150.4   | 238.8                        | 219.5    | 197.0   | 174.1   | 169.0   |
| Tennessee      | 169.7          | 182.7   | 162.0   | 149.9   | 151.0   | 204.5                        | 220.0    | 195.2   | 180.6   | 181.9   |
| Alabama        | 177.0          | 182.2   | 188.5   | 140.3   | 182.6   | 218.6                        | 224.9    | 232.7   | 173.3   | 225.4   |
| Mississippi    | 157.6          | 178.2   | 244.3   | 156.2   | 187.6   | 189.9                        | 214.7    | 294.3   | 188.2   | 226.0   |
| Arkansas       | 165.6          | 195.8   | 191.5   | 154.5   | 160.6   | 199.5                        | 235.9    | 230.7   | 186.2   | 193.5   |
| Louisiana      | 115.5          | 104.5   | 141.0   | 96.3    | 103.1   | 162.6                        | 147.2    | 198.6   | 135.6   | 145.2   |
| Oklahoma       | 239.3          | 351.8   | 251.2   | 263.8   | 239.1   | 275.0                        | 404.4    | 268.8   | 303.2   | 274.8   |
| Texas          | 886.1          | 751.8   | 494.4   | 520.0   | 605.7   | 1,067.5                      | 905.8    | 595.6   | 626.5   | 729.8   |
| Montana        | 86.5           | 117.4   | 101.4   | 96.9    | 139.0   | 100.5                        | 136.5    | 117.9   | 112.7   | 161.7   |
| Idaho          | 71.7           | 73.0    | 103.7   | 82.6    | 95.3    | 81.5                         | 83.0     | 117.8   | 93.9    | 108.3   |
| Wyoming        | 26.7           | 23.7    | 27.6    | 26.6    | 28.7    | 30.4                         | 26.9     | 31.4    | 30.3    | 32.6    |
| Colorado       | 102.2          | 92.1    | 112.0   | 82.7    | 93.9    | 134.5                        | 121.2    | 147.4   | 108.8   | 123.5   |
| New Mexico     | 20.1           | 30.8    | 22.0    | 26.8    | 22.7    | 26.1                         | 40.0     | 28.6    | 34.8    | 29.5    |
| Arizona        | 29.1           | 28.1    | 27.6    | 22.3    | 28.5    | 34.6                         | 33.5     | 32.8    | 26.5    | 34.0    |
| Utah           | 25.7           | 22.3    | 33.0    | 25.8    | 26.0    | 36.8                         | 31.8     | 47.2    | 36.9    | 37.1    |
| Nevada         | 9.0            | 8.0     | 10.2    | 8.7     | 7.8     | 9.4                          | 8.3      | 10.6    | 9.0     | 8.2     |
| Washington     | 123.8          | 107.1   | 147.6   | 120.9   | 139.0   | 150.9                        | 130.6    | 180.0   | 147.4   | 169.5   |
| Oregon         | 71.2           | 59.4    | 76.8    | 67.0    | 80.3    | 94.9                         | 79.2     | 102.4   | 89.4    | 107.1   |
| California     | 229.4          | 227.4   | 261.6   | 244.3   | 235.0   | 424.8                        | 421.0    | 484.5   | 452.4   | 435.2   |

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 610.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE BY STATES

[NOTE.—Figures for cotton production exclude lintless. Blank spaces indicate data not available.]

## ALABAMA

| Yearly average or year  | Cotton    |                          |               |                |                              | Cottonseed       |               |                                     | Total value   |
|-------------------------|-----------|--------------------------|---------------|----------------|------------------------------|------------------|---------------|-------------------------------------|---------------|
|                         | Acres     | Bales (500 pounds gross) | Value         | Yield per acre | Farm price per pound, Dec. 1 | Quantity         | Value         | Farm price per ton (annual average) |               |
|                         | Thousands | Thousands                | 1,000 dollars | Pounds         | Cents                        | 1,000 short tons | 1,000 dollars | Dollars                             | 1,000 dollars |
| 1909-1913.....          | 3,708     | 1,354                    | 81,844        | 174            | 12.4                         | 801              | 13,870        | 29.78                               | 96,714        |
| 1914-1918.....          | 3,094     | 925                      | 68,885        | 142            | 18.5                         | 411              | 16,824        | 49.34                               | 85,709        |
| 1919-1923.....          | 2,747     | 673                      | 82,406        | 122            | 24.5                         | 299              | 12,861        | 42.98                               | 95,267        |
| 1921.....               | 2,235     | 580                      | 46,418        | 124            | 16.0                         | 257              | 7,877         | 30.70                               | 54,296        |
| 1922.....               | 2,771     | 823                      | 95,820        | 142            | 24.0                         | 356              | 13,398        | 36.37                               | 112,218       |
| 1923.....               | 3,079     | 887                      | 93,289        | 91             | 31.8                         | 260              | 11,963        | 46.07                               | 105,252       |
| 1924.....               | 3,055     | 905                      | 111,762       | 154            | 22.7                         | 428              | 15,825        | 26.13                               | 127,587       |
| 1925.....               | 3,504     | 1,357                    | 126,210       | 186            | 18.9                         | 602              | 19,077        | 31.00                               | 147,287       |
| 1926.....               | 3,631     | 1,408                    | 80,143        | 109            | 10.7                         | 685              | 12,633        | 22.62                               | 92,776        |
| 1927 (preliminary)..... | 3,225     | 1,192                    | 114,000       | 176            | 19.0                         | 533              | 19,731        | 27.00                               | 133,731       |

## ARIZONA

|                         |     |     |        |     |      |    |       |       |        |
|-------------------------|-----|-----|--------|-----|------|----|-------|-------|--------|
| 1910-1913.....          | 131 | 67  | 11,408 | 266 | 24.1 | 39 |       |       |        |
| 1921.....               | 99  | 45  | 6,119  | 243 | 27.0 | 30 |       |       |        |
| 1922.....               | 101 | 47  | 7,612  | 232 | 30.0 | 31 | 466   | 22.26 | 7,478  |
| 1923.....               | 127 | 78  | 13,178 | 262 | 34.0 | 34 |       |       |        |
| 1924.....               | 180 | 108 | 14,204 | 255 | 20.4 | 46 | 1,543 | 32.08 | 13,747 |
| 1925.....               | 162 | 119 | 12,746 | 269 | 21.5 | 53 | 1,445 | 27.45 | 14,212 |
| 1926.....               | 167 | 129 | 8,112  | 249 | 12.8 | 54 | 973   | 19.00 | 9,086  |
| 1927 (preliminary)..... | 187 | 92  | 11,904 | 225 | 25.6 | 41 | 1,299 | 30.00 | 12,194 |

## ARKANSAS

|                         |       |       |         |     |      |     |        |       |         |
|-------------------------|-------|-------|---------|-----|------|-----|--------|-------|---------|
| 1909-1913.....          | 2,262 | 868   | 52,361  | 183 | 12.2 | 360 | 8,206  | 21.09 | 60,567  |
| 1914-1918.....          | 2,596 | 985   | 93,307  | 183 | 18.8 | 438 | 20,408 | 46.29 | 113,715 |
| 1919-1923.....          | 2,782 | 906   | 104,882 | 163 | 23.2 | 402 | 14,813 | 36.85 | 119,696 |
| 1921.....               | 2,382 | 797   | 64,153  | 160 | 16.1 | 354 | 9,969  | 28.21 | 74,122  |
| 1922.....               | 2,799 | 1,018 | 120,126 | 173 | 23.6 | 449 | 14,799 | 32.99 | 134,925 |
| 1923.....               | 3,026 | 628   | 100,092 | 98  | 31.9 | 276 | 12,230 | 44.50 | 111,391 |
| 1924.....               | 3,094 | 1,068 | 124,743 | 169 | 22.8 | 486 | 16,626 | 34.21 | 141,369 |
| 1925.....               | 3,738 | 1,605 | 128,770 | 205 | 16.1 | 711 | 17,796 | 25.03 | 146,566 |
| 1926.....               | 3,790 | 1,548 | 85,140  | 195 | 11.0 | 687 | 12,022 | 19.73 | 97,162  |
| 1927 (preliminary)..... | 3,045 | 1,000 | 98,980  | 154 | 20.2 | 435 | 15,878 | 26.50 | 114,858 |

## CALIFORNIA (includes Lower California prior to 1924)

|                         |     |     |        |     |      |    |       |       |        |
|-------------------------|-----|-----|--------|-----|------|----|-------|-------|--------|
| 1910-1913.....          | 10  | 12  | 691    | 419 | 11.6 |    |       |       |        |
| 1914-1918.....          | 89  | 49  | 5,181  | 358 | 19.2 | 28 | 1,325 |       |        |
| 1919-1923.....          | 207 | 49  | 7,722  | 118 | 31.5 | 22 |       |       |        |
| 1921.....               | 140 | 34  | 2,890  | 258 | 17.0 | 15 |       |       |        |
| 1922.....               | 202 | 28  | 3,672  | 186 | 26.0 | 12 |       |       |        |
| 1923.....               | 233 | 54  | 8,700  | 285 | 32.0 | 24 | 708   | 29.58 | 9,408  |
| 1924.....               | 130 | 78  | 2,299  | 284 | 24.0 | 35 | 1,189 | 32.57 | 10,438 |
| 1925.....               | 169 | 122 | 13,397 | 340 | 22.0 | 54 | 1,827 | 33.89 | 15,224 |
| 1926.....               | 163 | 131 | 9,170  | 367 | 14.0 | 58 | 1,160 | 23.28 | 10,330 |
| 1927 (preliminary)..... | 128 | 91  | 9,870  | 352 | 21.0 | 42 | 1,575 | 37.50 | 11,445 |

## FLORIDA

|                         |     |    |       |     |      |    |       |       |       |
|-------------------------|-----|----|-------|-----|------|----|-------|-------|-------|
| 1909-1913.....          | 243 | 62 | 5,107 | 123 | 17.0 | 34 | 734   | 22.09 | 5,841 |
| 1914-1918.....          | 191 | 48 | 6,161 | 117 | 30.3 | 28 | 1,112 | 45.39 | 7,273 |
| 1919-1923.....          | 107 | 16 | 2,104 | 75  | 26.3 | 8  | 316   | 39.50 | 2,420 |
| 1921.....               | 65  | 11 | 981   | 80  | 18.0 | 5  | 156   | 32.00 | 1,137 |
| 1922.....               | 118 | 25 | 2,877 | 102 | 23.0 | 12 | 384   | 31.67 | 3,261 |
| 1923.....               | 147 | 12 | 1,778 | 80  | 28.8 | 6  | 250   | 41.67 | 2,028 |
| 1924.....               | 80  | 19 | 2,443 | 130 | 22.5 | 10 | 357   | 34.25 | 2,800 |
| 1925.....               | 101 | 38 | 3,589 | 180 | 18.8 | 17 | 537   | 31.76 | 4,126 |
| 1926.....               | 105 | 32 | 1,632 | 145 | 10.2 | 14 | 266   | 24.29 | 1,898 |
| 1927 (preliminary)..... | 68  | 14 | 1,624 | 122 | 19.1 | 3  | 244   | 30.50 | 1,868 |

For footnotes see p. 641.

## No. 610.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES—Continued

## GEORGIA

| Yearly average or year | Cotton    |                          |               |                |                              | Cottonseed       |               |                                     | Total value |
|------------------------|-----------|--------------------------|---------------|----------------|------------------------------|------------------|---------------|-------------------------------------|-------------|
|                        | Acres     | Bales (500 pounds gross) | Value         | Yield per acre | Farm price per pound, Dec. 1 | Quantity         | Value         | Farm price per ton (annual average) |             |
|                        | Thousands | Thousands                | 1,000 dollars | Pounds         | Cents                        | 1,000 short tons | 1,000 dollars | Dollars                             |             |
| 1909-1913.....         | 5,141     | 2,087                    | 127,034       | 193            | 12.5                         | 938              | 21,478        | 23.49                               | 148,512     |
| 1914-1918.....         | 5,214     | 2,091                    | 189,373       | 191            | 18.9                         | 939              | 45,021        | 49.96                               | 234,397     |
| 1919-1923.....         | 4,226     | 1,033                    | 130,040       | 122            | 25.2                         | 458              | 21,590        | 47.14                               | 151,630     |
| 1921.....              | 4,172     | 787                      | 65,328        | 90             | 16.6                         | 349              | 11,049        | 31.73                               | 76,377      |
| 1922.....              | 3,418     | 715                      | 85,442        | 100            | 23.9                         | 317              | 12,528        | 39.51                               | 97,970      |
| 1923.....              | 3,421     | 588                      | 94,118        | 82             | 32.0                         | 261              | 12,327        | 47.27                               | 106,445     |
| 1924.....              | 3,046     | 1,004                    | 112,217       | 157            | 22.4                         | 445              | 16,518        | 37.12                               | 128,735     |
| 1925.....              | 3,589     | 1,164                    | 110,569       | 155            | 19.0                         | 516              | 17,590        | 34.09                               | 128,159     |
| 1926.....              | 3,965     | 1,496                    | 83,028        | 180            | 11.1                         | 664              | 13,944        | 24.37                               | 96,972      |
| 1927 (preliminary).... | 3,412     | 1,100                    | 106,700       | 154            | 19.4                         | 483              | 18,788        | 38.50                               | 125,488     |

## LOUISIANA

|                        |       |     |        |     |      |     |        |       |        |
|------------------------|-------|-----|--------|-----|------|-----|--------|-------|--------|
| 1909-1913.....         | 1,031 | 341 | 19,950 | 157 | 12.0 | 151 | 3,210  | 22.16 | 23,160 |
| 1914-1918.....         | 1,335 | 246 | 48,602 | 175 | 18.3 | 219 | 10,604 | 45.50 | 59,206 |
| 1919-1923.....         | 1,342 | 335 | 39,492 | 125 | 23.6 | 149 | 5,588  | 37.50 | 45,079 |
| 1921.....              | 1,168 | 279 | 20,914 | 114 | 15.0 | 124 | 3,415  | 27.42 | 24,329 |
| 1922.....              | 1,140 | 343 | 41,153 | 144 | 24.0 | 152 | 4,761  | 31.33 | 45,954 |
| 1923.....              | 1,405 | 368 | 55,734 | 125 | 30.3 | 163 | 6,621  | 40.83 | 62,355 |
| 1924.....              | 1,616 | 493 | 55,177 | 145 | 22.4 | 219 | 6,844  | 31.25 | 62,021 |
| 1925.....              | 1,874 | 910 | 82,397 | 232 | 18.1 | 404 | 11,874 | 29.39 | 94,271 |
| 1926.....              | 1,979 | 829 | 45,595 | 200 | 11.0 | 368 | 6,624  | 20.22 | 52,219 |
| 1927 (preliminary).... | 1,560 | 547 | 52,320 | 167 | 19.2 | 242 | 7,986  | 33.00 | 60,306 |

## MISSISSIPPI

|                        |       |       |         |     |      |     |        |       |         |
|------------------------|-------|-------|---------|-----|------|-----|--------|-------|---------|
| 1909-1913.....         | 3,181 | 1,181 | 74,131  | 178 | 12.5 | 525 | 12,290 | 23.48 | 86,421  |
| 1914-1918.....         | 2,965 | 1,029 | 95,974  | 166 | 19.0 | 457 | 21,192 | 47.39 | 117,166 |
| 1919-1923.....         | 2,922 | 852   | 106,693 | 146 | 25.0 | 378 | 15,118 | 39.99 | 121,811 |
| 1921.....              | 2,628 | 813   | 67,480  | 148 | 16.6 | 361 | 10,335 | 28.62 | 77,815  |
| 1922.....              | 3,014 | 969   | 119,207 | 157 | 24.1 | 439 | 14,939 | 34.63 | 134,146 |
| 1923.....              | 3,170 | 604   | 98,119  | 91  | 32.5 | 268 | 12,537 | 46.78 | 110,656 |
| 1924.....              | 2,981 | 1,099 | 130,188 | 176 | 23.7 | 487 | 17,688 | 36.32 | 147,876 |
| 1925.....              | 3,466 | 1,991 | 164,077 | 275 | 19.5 | 884 | 26,821 | 30.34 | 220,898 |
| 1926.....              | 3,752 | 1,888 | 109,504 | 241 | 11.6 | 838 | 17,598 | 24.56 | 127,102 |
| 1927 (preliminary).... | 3,338 | 1,355 | 137,350 | 192 | 20.5 | 595 | 22,908 | 38.50 | 160,258 |

## MISSOURI

|                        |     |     |        |     |      |     |       |       |        |
|------------------------|-----|-----|--------|-----|------|-----|-------|-------|--------|
| 1909-1913.....         | 105 | 65  | 3,638  | 292 | 11.6 | 29  | 678   | 23.88 | 3,977  |
| 1914-1918.....         | 135 | 63  | 5,602  | 225 | 18.2 | 28  | 1,260 | 46.46 | 6,882  |
| 1919-1923.....         | 183 | 98  | 11,613 | 268 | 23.7 | 43  | 1,845 | 42.91 | 13,458 |
| 1921.....              | 103 | 70  | 5,245  | 325 | 15.0 | 31  | 960   | 31.41 | 6,205  |
| 1922.....              | 198 | 143 | 16,018 | 360 | 21.5 | 166 | 2,420 | 36.66 | 18,438 |
| 1923.....              | 355 | 121 | 20,594 | 171 | 32.5 | 157 | 3,007 | 50.24 | 23,601 |
| 1924.....              | 493 | 189 | 22,179 | 185 | 23.0 | 186 | 3,440 | 40.00 | 25,619 |
| 1925.....              | 520 | 294 | 17,956 | 275 | 12.0 | 133 | 4,043 | 30.40 | 21,999 |
| 1926.....              | 434 | 218 | 10,900 | 240 | 10.0 | 97  | 1,630 | 19.78 | 12,530 |
| 1927 (preliminary).... | 281 | 114 | 10,660 | 177 | 20.5 | 46  | 1,697 | 38.90 | 12,357 |

## NEW MEXICO

|                        |     |    |       |     |      |    |     |       |       |
|------------------------|-----|----|-------|-----|------|----|-----|-------|-------|
| 1923.....              | 60  | 28 | 4,584 | 230 | 31.0 | 14 |     |       |       |
| 1924.....              | 101 | 55 | 7,137 | 266 | 25.0 | 25 | 798 | 31.92 | 7,935 |
| 1925.....              | 107 | 64 | 6,644 | 298 | 20.0 | 30 | 916 | 30.52 | 7,560 |
| 1926.....              | 120 | 71 | 4,612 | 299 | 12.3 | 33 | 594 | 18.00 | 5,206 |
| 1927 (preliminary).... | 95  | 65 | 6,930 | 352 | 19.8 | 31 | 930 | 30.00 | 7,860 |

For footnotes see p. 641



## No. 610.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES—Continued

## NORTH CAROLINA

| Yearly average or year | Cotton         |                          |                  |                |                              | Cottonseed          |                  |                                     | Total value      |
|------------------------|----------------|--------------------------|------------------|----------------|------------------------------|---------------------|------------------|-------------------------------------|------------------|
|                        | Acres          | Bales (500 pounds gross) | Value            | Yield per acre | Farm price per pound, Dec. 1 | Quantity            | Value            | Farm price per ton (annual average) |                  |
|                        |                |                          |                  |                |                              |                     |                  |                                     |                  |
|                        | Thou-<br>sands | Thou-<br>sands           | 1,000<br>dollars | Pounds         | Cents                        | 1,000<br>short tons | 1,000<br>dollars | Dollars                             | 1,000<br>dollars |
| 1909-1913              | 1,516          | 808                      | 48,319           | 252            | 12.3                         | 358                 | 8,850            | 25.57                               | 57,160           |
| 1914-1918              | 1,475          | 760                      | 67,774           | 245            | 18.3                         | 337                 | 16,278           | 49.59                               | 84,052           |
| 1919-1923              | 1,557          | 881                      | 107,078          | 283            | 24.4                         | 390                 | 17,000           | 43.74                               | 124,738          |
| 1921                   | 1,403          | 778                      | 63,650           | 264            | 16.4                         | 344                 | 11,428           | 33.19                               | 75,078           |
| 1922                   | 1,625          | 862                      | 104,326          | 250            | 24.6                         | 378                 | 15,500           | 41.30                               | 119,826          |
| 1923                   | 1,479          | 920                      | 157,101          | 290            | 30.8                         | 452                 | 20,150           | 44.80                               | 177,251          |
| 1924                   | 2,006          | 825                      | 93,272           | 196            | 22.6                         | 366                 | 14,670           | 37.35                               | 107,942          |
| 1925                   | 2,617          | 1,102                    | 104,074          | 201            | 19.0                         | 488                 | 16,885           | 34.60                               | 120,959          |
| 1926                   | 1,985          | 1,213                    | 69,748           | 202            | 11.5                         | 539                 | 11,876           | 24.56                               | 81,624           |
| 1927 (preliminary)     | 1,727          | 861                      | 83,568           | 237            | 19.8                         | 381                 | 14,097           | 37.00                               | 97,665           |

## OKLAHOMA

|                    |       |       |         |     |      |     |        |       |         |
|--------------------|-------|-------|---------|-----|------|-----|--------|-------|---------|
| 1909-1913          | 2,589 | 870   | 48,658  | 194 | 11.4 | 387 | 7,560  | 20.23 | 56,218  |
| 1914-1918          | 2,617 | 802   | 71,205  | 157 | 17.8 | 379 | 15,622 | 44.19 | 86,827  |
| 1919-1923          | 2,098 | 828   | 91,046  | 183 | 22.1 | 346 | 12,667 | 34.61 | 103,713 |
| 1921               | 2,208 | 481   | 37,089  | 104 | 15.4 | 214 | 8,303  | 24.78 | 45,392  |
| 1922               | 2,915 | 637   | 72,163  | 103 | 23.6 | 279 | 8,782  | 31.48 | 80,945  |
| 1923               | 3,197 | 656   | 97,023  | 98  | 29.6 | 291 | 11,497 | 39.59 | 108,520 |
| 1924               | 3,861 | 1,411 | 107,673 | 187 | 22.2 | 671 | 21,499 | 32.04 | 129,172 |
| 1925               | 5,214 | 1,691 | 143,735 | 153 | 17.0 | 781 | 21,468 | 28.57 | 165,203 |
| 1926               | 4,676 | 1,773 | 85,990  | 181 | 9.7  | 787 | 12,120 | 16.63 | 98,110  |
| 1927 (preliminary) | 3,433 | 1,087 | 98,010  | 136 | 19.8 | 440 | 16,280 | 37.00 | 114,290 |

## SOUTH CAROLINA

|                    |       |       |         |     |      |     |        |       |         |
|--------------------|-------|-------|---------|-----|------|-----|--------|-------|---------|
| 1909-1913          | 2,662 | 1,295 | 78,696  | 230 | 12.4 | 576 | 13,622 | 24.18 | 92,318  |
| 1914-1918          | 2,799 | 1,281 | 120,117 | 218 | 18.8 | 570 | 28,220 | 49.95 | 148,337 |
| 1919-1923          | 2,449 | 1,013 | 123,132 | 207 | 24.3 | 449 | 20,260 | 46.12 | 143,391 |
| 1921               | 2,571 | 755   | 60,365  | 140 | 16.0 | 334 | 11,503 | 34.45 | 71,868  |
| 1922               | 1,912 | 492   | 59,843  | 123 | 24.3 | 216 | 9,228  | 42.34 | 69,071  |
| 1923               | 1,905 | 770   | 123,226 | 187 | 32.0 | 341 | 15,485 | 45.31 | 138,711 |
| 1924               | 2,404 | 807   | 89,129  | 111 | 22.1 | 357 | 13,155 | 36.85 | 102,284 |
| 1925               | 2,654 | 889   | 83,535  | 160 | 18.8 | 394 | 13,384 | 33.97 | 96,919  |
| 1926               | 2,648 | 1,008 | 58,968  | 182 | 11.7 | 448 | 9,408  | 25.00 | 68,376  |
| 1927 (preliminary) | 2,421 | 730   | 72,030  | 145 | 19.6 | 320 | 12,877 | 39.50 | 84,907  |

## TENNESSEE

|                    |       |     |        |     |      |     |       |       |        |
|--------------------|-------|-----|--------|-----|------|-----|-------|-------|--------|
| 1909-1913          | 797   | 337 | 20,241 | 200 | 12.3 | 150 | 3,480 | 23.71 | 23,721 |
| 1914-1918          | 872   | 328 | 28,710 | 180 | 18.2 | 146 | 6,672 | 47.07 | 35,382 |
| 1919-1923          | 878   | 311 | 36,255 | 177 | 23.3 | 138 | 5,694 | 41.26 | 41,949 |
| 1921               | 634   | 302 | 24,156 | 226 | 16.0 | 134 | 4,095 | 30.49 | 28,251 |
| 1922               | 985   | 391 | 47,897 | 190 | 24.5 | 174 | 6,663 | 38.40 | 54,560 |
| 1923               | 1,172 | 228 | 36,471 | 92  | 32.0 | 101 | 4,774 | 47.28 | 40,245 |
| 1924               | 996   | 356 | 41,103 | 170 | 23.2 | 157 | 5,831 | 37.14 | 46,934 |
| 1925               | 1,173 | 517 | 41,737 | 210 | 16.2 | 229 | 6,398 | 27.93 | 48,135 |
| 1926               | 1,143 | 452 | 22,750 | 188 | 10.0 | 200 | 3,800 | 20.76 | 26,550 |
| 1927 (preliminary) | 943   | 359 | 32,775 | 175 | 19.0 | 153 | 5,661 | 37.00 | 38,436 |

## TEXAS

|                    |        |       |         |     |      |       |        |       |         |
|--------------------|--------|-------|---------|-----|------|-------|--------|-------|---------|
| 1909-1913          | 10,920 | 3,731 | 217,097 | 162 | 11.8 | 1,659 | 32,868 | 20.59 | 247,965 |
| 1914-1918          | 11,213 | 3,473 | 299,820 | 148 | 18.4 | 1,545 | 62,040 | 43.38 | 361,860 |
| 1919-1923          | 11,829 | 3,441 | 409,874 | 145 | 23.8 | 1,530 | 54,243 | 35.46 | 464,117 |
| 1921               | 10,745 | 2,198 | 170,952 | 98  | 16.1 | 978   | 27,452 | 28.05 | 204,404 |
| 1922               | 11,874 | 3,222 | 378,572 | 130 | 23.5 | 1,433 | 45,354 | 31.66 | 423,926 |
| 1923               | 14,150 | 4,342 | 680,029 | 147 | 30.4 | 1,927 | 75,326 | 39.15 | 735,355 |
| 1924               | 17,175 | 4,951 | 554,311 | 138 | 22.4 | 2,197 | 70,370 | 32.03 | 624,681 |
| 1925               | 17,608 | 4,165 | 385,112 | 113 | 18.5 | 1,849 | 59,113 | 31.97 | 444,225 |
| 1926               | 18,374 | 5,631 | 303,912 | 147 | 16.8 | 2,499 | 43,732 | 20.56 | 347,644 |
| 1927 (preliminary) | 16,270 | 4,355 | 413,020 | 126 | 19.3 | 1,900 | 68,400 | 34.00 | 481,420 |

For footnotes see p. 641.

## COTTON CROP

641

## No. 610.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES—Continued

## VIRGINIA

| Yearly average or year | Cotton    |                          |               |                |                              | Cottonseed       |               |                                     | Total value |
|------------------------|-----------|--------------------------|---------------|----------------|------------------------------|------------------|---------------|-------------------------------------|-------------|
|                        | Acres     | Bales (500 pounds gross) | Value         | Yield per acre | Farm price per pound, Dec. 1 | Quantity         | Value         | Farm price per ton (annual average) |             |
|                        | Thousands | Thousands                | 1,000 dollars | Pounds         | Cents                        | 1,000 short tons | 1,000 dollars | Dollars                             |             |
| 1900-1913.....         | 39        | 20                       | 1,207         | 244            | 12.2                         | 9                | 216           | —                                   | 1,423       |
| 1914-1918.....         | 43        | 22                       | 2,072         | 250            | 18.5                         | 10               | 496           | —                                   | 2,568       |
| 1919-1923.....         | 49        | 28                       | 3,605         | 286            | 25.8                         | 12               | 554           | 46.17                               | 4,160       |
| 1921.....              | 34        | 16                       | 1,342         | —              | 16.4                         | 7                | 231           | 32.99                               | 1,573       |
| 1922.....              | 55        | 27                       | 2,049         | 230            | 21.0                         | 12               | 502           | 41.84                               | 2,551       |
| 1923.....              | 74        | 51                       | 8,083         | 325            | 32.0                         | 22               | 997           | 45.33                               | 9,080       |
| 1924.....              | 102       | 80                       | 4,456         | 181            | 23.0                         | 17               | 683           | 40.20                               | 5,139       |
| 1925.....              | 100       | 53                       | 4,981         | 250            | 19.0                         | 28               | 831           | 35.14                               | 5,822       |
| 1926.....              | 93        | 51                       | 2,907         | 264            | 11.4                         | 28               | 506           | 26.00                               | 3,505       |
| 1927 (preliminary)...  | 67        | 30                       | 3,200         | 230            | 20.0                         | 14               | 588           | 42.00                               | 3,788       |

## OTHER STATES:

|                       |    |    |       |     |      |    |       |   |       |
|-----------------------|----|----|-------|-----|------|----|-------|---|-------|
| 1900-1913.....        | —  | 5  | —     | —   | —    | 7  | 144   | — | 144   |
| 1914-1918.....        | 17 | 9  | 766   | —   | —    | 33 | 1,404 | — | 2,230 |
| 1919-1923.....        | 22 | 7  | —     | 159 | —    | 3  | —     | — | —     |
| 1921.....             | 18 | 3  | —     | —   | —    | 1  | 1,159 | — | —     |
| 1922.....             | 44 | 7  | —     | —   | —    | 3  | 694   | — | —     |
| 1923.....             | 13 | 6  | 1,224 | 221 | 31.0 | 14 | 2,238 | — | 3,472 |
| 1924.....             | 41 | 12 | 1,801 | —   | —    | 16 | 204   | — | 1,806 |
| 1925.....             | 57 | 24 | 1,894 | 214 | 14.9 | 11 | 370   | — | 2,264 |
| 1926.....             | 43 | 16 | 824   | 189 | 9.7  | 8  | 160   | — | 984   |
| 1927 (preliminary)... | 20 | 7  | 686   | 166 | 19.1 | 3  | 112   | — | 760   |

<sup>1</sup> Slight differences from census figures on ginnings due to ginnings in one State of cotton grown in another.  
<sup>2</sup> Prior to 1923 New Mexico is included in "Other States."

Source: Production of cotton and annual average farm price per ton of cottonseed, Bureau of the Census, except annual average farm price of cottonseed in 1927, which is estimated by the Department of Agriculture on the basis of the Dec. 1 price to producers; other figures, Department of Agriculture

## No. 611.—FERTILIZER: AMOUNT SOLD IN 12 SOUTHERN STATES AS SHOWN BY TAG SALES

[Short tons]

| State                                 | 1922      | 1923      | 1924      | 1925      | 1926      | 1927      |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Total                                 | 3,514,535 | 4,334,003 | 4,668,180 | 5,977,436 | 5,144,647 | 4,651,225 |
| Per cent increase over preceding year | 20.8      | 23.5      | 8.2       | 8.5       | 1.5       | 11.5      |
| Virginia <sup>1</sup>                 | 449,942   | 422,350   | 441,895   | 451,656   | 435,223   | 408,008   |
| North Carolina                        | 951,174   | 1,066,558 | 1,183,053 | 1,217,822 | 1,218,176 | 1,171,499 |
| South Carolina <sup>2</sup>           | 526,560   | 693,366   | 844,440   | 873,255   | 840,128   | 726,736   |
| Georgia                               | 521,547   | 675,867   | 678,959   | 778,808   | 780,302   | 713,047   |
| Florida                               | 353,769   | 396,564   | 365,317   | 258,463   | 398,480   | 417,438   |
| Alabama                               | 284,370   | 447,913   | 456,840   | 588,115   | 615,364   | 478,400   |
| Mississippi                           | 142,517   | 208,365   | 308,122   | 258,028   | 278,075   | 218,750   |
| Tennessee                             | 89,519    | 108,361   | 115,220   | 142,174   | 156,336   | 112,473   |
| Missouri                              | 50,021    | 51,597    | 47,121    | 63,939    | 56,801    | 56,100    |
| Arkansas                              | 36,115    | 79,616    | 96,750    | 124,387   | 126,175   | 75,467    |
| Louisiana <sup>2</sup>                | 75,050    | 104,624   | 124,665   | 110,784   | 114,347   | 92,606    |
| Texas <sup>2</sup>                    | 33,912    | 78,787    | 127,791   | 101,006   | 125,150   | 60,521    |

<sup>1</sup> Decrease.<sup>2</sup> Includes cottonseed meal used as fertilizer.

Source: The Fertilizer Review, National Fertilizer Association.

| Division and State        | Acres              |                    |                    |                   |                    | Yield per acre     |              |              |              |                    |
|---------------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------|--------------|--------------|--------------------|
|                           | 1900-1910, average | 1904               | 1905               | 1906              | 1907 (preliminary) | 1900-1910, average | 1904         | 1905         | 1906         | 1907 (preliminary) |
|                           | Thousands 104, 239 | Thousands 100, 863 | Thousands 101, 349 | Thousands 99, 713 | Thousands 99, 774  | Bushels 34.9       | Bushels 32.9 | Bushels 33.5 | Bushels 37.5 | Bushels 39.2       |
| <b>United States</b>      |                    |                    |                    |                   |                    |                    |              |              |              |                    |
| <b>New England</b>        | 196                | 209                | 217                | 230               | 294                | 42.5               | 45.8         | 42.7         | 42.4         | 42.1               |
| Maine                     | 14                 | 12                 | 13                 | 13                | 14                 | 41.2               | 43.9         | 45.0         | 35.0         | 37.0               |
| New Hampshire             | 32                 | 14                 | 14                 | 15                | 16                 | 41.8               | 43.0         | 39.0         | 42.0         | 41.0               |
| Vermont                   | 45                 | 93                 | 95                 | 94                | 94                 | 39.5               | 47.0         | 48.0         | 41.0         | 39.0               |
| Massachusetts             | 48                 | 41                 | 42                 | 43                | 46                 | 42.8               | 45.0         | 39.0         | 44.0         | 41.8               |
| Rhode Island              | 11                 | 8                  | 9                  | 9                 | 10                 | 32.9               | 42.0         | 45.0         | 41.0         | 38.0               |
| Connecticut               | 39                 | 33                 | 34                 | 34                | 35                 | 45.7               | 48.0         | 50.0         | 42.0         | 35.0               |
| <b>Middle Atlantic</b>    | 2, 282             | 2, 186             | 2, 238             | 2, 249            | 2, 115             | 30.8               | 34.5         | 33.5         | 39.6         | 37.8               |
| New York                  | 591                | 577                | 591                | 579               | 563                | 30.6               | 34.0         | 33.0         | 35.0         | 34.0               |
| New Jersey                | 270                | 196                | 199                | 188               | 179                | 30.9               | 34.0         | 32.0         | 42.0         | 40.8               |
| Pennsylvania              | 1, 421             | 1, 513             | 1, 448             | 1, 361            | 1, 373             | 30.5               | 31.5         | 31.0         | 42.0         | 39.5               |
| <b>South Atlantic</b>     | 12, 584            | 11, 164            | 11, 591            | 11, 041           | 11, 048            | 19.7               | 18.0         | 17.9         | 20.5         | 21.0               |
| Delaware                  | 194                | 139                | 137                | 133               | 128                | 32.6               | 27.0         | 27.0         | 31.0         | 35.0               |
| Maryland                  | 603                | 537                | 554                | 554               | 575                | 34.2               | 31.0         | 45.0         | 30.8         | 44.0               |
| Virginia                  | 1, 002             | 1, 409             | 1, 031             | 1, 004            | 1, 028             | 24.5               | 21.0         | 32.0         | 37.5         | 25.5               |
| West Virginia             | 708                | 460                | 320                | 425               | 451                | 20.5               | 20.0         | 20.5         | 35.0         | 33.5               |
| North Carolina            | 2, 690             | 2, 317             | 2, 400             | 2, 379            | 2, 322             | 18.2               | 18.0         | 18.5         | 22.0         | 22.8               |
| South Carolina            | 1, 701             | 1, 520             | 1, 584             | 1, 426            | 1, 497             | 18.2               | 18.0         | 18.3         | 18.3         | 17.0               |
| Georgia                   | 3, 727             | 3, 373             | 3, 095             | 3, 317            | 3, 303             | 14.7               | 11.5         | 10.7         | 14.3         | 14.8               |
| Florida                   | 640                | 600                | 580                | 551               | 573                | 12.6               | 12.5         | 15.0         | 14.0         | 13.0               |
| <b>East North Central</b> | 22, 366            | 20, 923            | 21, 023            | 21, 186           | 20, 693            | 36.4               | 36.1         | 36.7         | 39.6         | 39.1               |
| Ohio                      | 3, 950             | 3, 422             | 3, 741             | 3, 561            | 3, 378             | 39.0               | 38.0         | 38.5         | 41.0         | 42.6               |
| Indiana                   | 4, 890             | 4, 450             | 4, 672             | 4, 672            | 4, 206             | 32.3               | 25.5         | 43.5         | 38.0         | 31.5               |
| Illinois                  | 10, 311            | 8, 946             | 9, 393             | 9, 206            | 8, 469             | 35.0               | 33.0         | 42.0         | 35.0         | 30.0               |
| Michigan                  | 1, 650             | 1, 510             | 1, 642             | 1, 593            | 1, 418             | 32.7               | 28.5         | 40.0         | 34.0         | 27.5               |
| Wisconsin                 | 1, 572             | 2, 185             | 2, 185             | 2, 119            | 2, 100             | 25.8               | 26.0         | 40.5         | 32.5         | 32.5               |
| <b>West North Central</b> | 37, 486            | 42, 678            | 43, 588            | 42, 180           | 41, 388            | 24.2               | 24.9         | 29.7         | 28.2         | 32.1               |
| Minnesota                 | 2, 182             | 4, 545             | 4, 136             | 4, 343            | 4, 172             | 35.1               | 27.0         | 36.0         | 34.0         | 30.5               |
| Iowa                      | 9, 709             | 10, 912            | 11, 234            | 11, 170           | 10, 947            | 35.2               | 29.0         | 43.9         | 39.0         | 36.5               |
| Missouri                  | 7, 401             | 6, 300             | 6, 741             | 6, 471            | 5, 953             | 27.0               | 24.0         | 29.5         | 27.2         | 29.0               |
| North Dakota              | 278                | 1, 320             | 1, 066             | 1, 009            | 959                | 25.1               | 21.5         | 22.5         | 18.0         | 25.0               |
| South Dakota              | 2, 317             | 4, 814             | 4, 478             | 4, 530            | 4, 655             | 27.0               | 21.3         | 17.5         | 18.0         | 18.0               |
| Nebraska                  | 7, 467             | 8, 716             | 9, 100             | 8, 994            | 8, 806             | 22.1               | 22.0         | 25.0         | 16.5         | 33.1               |
| Kansas                    | 8, 130             | 6, 021             | 6, 023             | 5, 653            | 5, 897             | 15.9               | 21.7         | 16.6         | 11.0         | 30.0               |
| <b>East South Central</b> | 12, 512            | 11, 938            | 11, 167            | 10, 911           | 10, 713            | 22.1               | 18.2         | 18.9         | 24.7         | 21.2               |
| Kentucky                  | 3, 557             | 3, 048             | 3, 231             | 3, 069            | 2, 935             | 27.0               | 25.0         | 26.5         | 33.0         | 28.0               |
| Tennessee                 | 3, 326             | 3, 100             | 3, 162             | 3, 099            | 2, 944             | 24.2               | 21.5         | 20.0         | 27.5         | 24.0               |
| Alabama                   | 2, 965             | 2, 900             | 2, 797             | 2, 825            | 2, 989             | 16.8               | 12.5         | 13.5         | 16.2         | 16.0               |
| Mississippi               | 2, 774             | 2, 240             | 1, 977             | 1, 918            | 1, 918             | 18.5               | 12.0         | 18.0         | 19.2         | 17.8               |
| <b>West South Central</b> | 18, 347            | 10, 145            | 8, 746             | 9, 350            | 11, 459            | 17.3               | 16.5         | 10.8         | 24.4         | 22.7               |
| Louisiana                 | 1, 776             | 1, 350             | 1, 225             | 1, 127            | 1, 161             | 21.0               | 11.5         | 18.0         | 17.5         | 17.5               |
| Texas                     | 6, 600             | 3, 943             | 2, 257             | 3, 844            | 5, 189             | 18.0               | 16.0         | 8.5          | 27.8         | 23.0               |
| Oklahoma                  | 5, 504             | 4, 852             | 2, 558             | 2, 353            | 3, 177             | 13.8               | 19.0         | 7.6          | 26.0         | 20.5               |
| Arkansas                  | 2, 467             | 2, 000             | 2, 006             | 2, 026            | 1, 925             | 20.4               | 16.0         | 14.0         | 20.5         | 19.0               |
| <b>Mountain</b>           | 535                | 2, 354             | 2, 369             | 2, 376            | 2, 214             | 20.8               | 13.1         | 17.2         | 11.9         | 12.6               |
| Montana                   | 20                 | 420                | 399                | 359               | 308                | 23.9               | 18.0         | 16.5         | 11.0         | 23.5               |
| Wyoming                   | 13                 | 180                | 191                | 178               | 178                | 21.0               | 12.0         | 20.0         | 20.0         | 21.0               |
| Colorado                  | 377                | 1, 450             | 1, 467             | 1, 496            | 1, 426             | 18.7               | 10.0         | 15.0         | 7.0          | 16.0               |
| New Mexico                | 89                 | 220                | 175                | 221               | 166                | 44.0               | 18.0         | 18.0         | 20.0         | 15.0               |
| Arizona                   | 16                 | 31                 | 39                 | 40                | 44                 | 31.7               | 22.0         | 26.0         | 26.0         | 32.0               |
| Utah                      | 8                  | 16                 | 18                 | 18                | 19                 | 32.1               | 20.0         | 24.0         | 24.0         | 26.0               |
| Nevada                    | 1                  | 2                  | 2                  | 2                 | 2                  | 31.1               | 22.4         | 25.0         | 24.0         | 25.0               |
| Idaho                     | 11                 | 66                 | 78                 | 66                | 76                 | 31.5               | 30.7         | 41.0         | 41.0         | 41.0               |
| <b>Pacific</b>            | 101                | 164                | 910                | 301               | 301                | 32.1               | 31.7         | 33.0         | 32.8         | 34.7               |
| Washington                | 30                 | 43                 | 58                 | 40                | 43                 | 27.9               | 30.0         | 35.0         | 35.0         | 37.0               |
| Oregon                    | 19                 | 59                 | 71                 | 73                | 81                 | 28.9               | 30.5         | 29.0         | 33.0         | 30.0               |
| California                | 32                 | 62                 | 81                 | 77                | 77                 | 35.7               | 33.5         | 35.1         | 31.5         | 32.0               |

Source Bureau of Agricultural Economics, Department of Agriculture.

## AND FARM VALUE, BY STATES

| Production         |               |               |               |                    | Farm value, Dec. 1 |               |                    |                  |                | Division and State |
|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|--------------------|------------------|----------------|--------------------|
| 1909-1912, average | 1924          | 1925          | 1926          | 1927 (preliminary) | Amount             |               |                    | Per bushel, 1927 | Per acre, 1927 |                    |
|                    |               |               |               |                    | 1924               | 1925          | 1927 (preliminary) |                  |                |                    |
| 1,000 bushels      | 1,000 bushels | 1,000 bushels | 1,000 bushels | 1,000 bushels      | 1,000 dollars      | 1,000 dollars | 1,000 dollars      | Cents            | Dollars        | U. S.              |
| 2,712,384          | 2,309,414     | 2,918,861     | 2,692,217     | 2,788,828          | 1,908,761          | 1,722,457     | 2,014,783          | 72               | 80 87          |                    |
| 8,423              | 8,443         | 10,870        | 9,329         | 8,785              | 11,308             | 9,840         | 9,883              | 113              | 44 12          | New Eng.           |
| 673                | 518           | 540           | 455           | 518                | 605                | 455           | 570                | 110              | 40.71          | Me.                |
| 924                | 672           | 700           | 645           | 615                | 700                | 645           | 646                | 105              | 43.97          | N. H.              |
| 1,767              | 3,854         | 4,080         | 3,612         | 3,276              | 4,080              | 3,431         | 3,440              | 105              | 40.95          | Vt.                |
| 1,954              | 1,845         | 2,150         | 1,980         | 1,686              | 2,365              | 2,277         | 2,263              | 120              | 49.20          | Mass.              |
| 417                | 320           | 405           | 369           | 380                | 486                | 424           | 456                | 120              | 45.80          | R. I.              |
| 2,683              | 2,236         | 2,700         | 2,268         | 2,000              | 2,979              | 2,606         | 2,508              | 120              | 45.60          | Conn.              |
| 85,700             | 77,868        | 107,039       | 89,228        | 79,867             | 89,130             | 71,885        | 73,378             | 98               | 34.76          | Mid. Atlantic      |
| 18,746             | 23,018        | 34,876        | 23,450        | 22,542             | 24,130             | 20,167        | 21,640             | 96               | 32.64          | N. Y.              |
| 9,800              | 6,630         | 10,348        | 6,648         | 7,160              | 7,554              | 6,918         | 6,086              | 85               | 34.00          | N. J.              |
| 57,044             | 48,034        | 71,808        | 57,154        | 50,165             | 57,446             | 44,800        | 45,660             | 91               | 35.94          | Pa.                |
| 245,588            | 178,788       | 200,320       | 228,352       | 231,487            | 197,735            | 188,543       | 204,234            | 88               | 18.50          | S. Atlantic        |
| 6,292              | 3,672         | 5,049         | 4,278         | 4,726              | 3,295              | 2,738         | 3,780              | 80               | 28.00          | Del.               |
| 22,689             | 16,337        | 24,930        | 22,049        | 22,600             | 17,451             | 14,111        | 16,128             | 80               | 35.20          | Md.                |
| 47,930             | 31,479        | 36,982        | 46,585        | 47,967             | 37,352             | 39,597        | 44,130             | 92               | 27.14          | Va.                |
| 20,959             | 11,994        | 18,080        | 18,005        | 15,109             | 18,980             | 15,045        | 15,109             | 100              | 33.50          | W. Va.             |
| 49,334             | 41,700        | 44,400        | 52,272        | 53,626             | 48,840             | 45,999        | 48,800             | 91               | 20.75          | N. C.              |
| 12,620             | 19,800        | 19,483        | 22,103        | 25,449             | 21,431             | 19,893        | 22,004             | 90               | 15.30          | S. C.              |
| 45,012             | 45,712        | 41,676        | 55,346        | 54,502             | 41,676             | 42,063        | 44,147             | 81               | 11.34          | Ga.                |
| 8,750              | 8,100         | 8,700         | 7,714         | 7,449              | 8,700              | 7,097         | 7,226              | 97               | 12.61          | Fla.               |
| 813,703            | 801,065       | 944,568       | 774,210       | 603,483            | 565,358            | 451,893       | 445,431            | 74               | 22.78          | E. N. Central      |
| 154,084            | 89,232        | 179,568       | 147,231       | 109,720            | 102,354            | 88,339        | 84,484             | 77               | 25.02          | Ohio               |
| 187,009            | 119,920       | 203,232       | 177,536       | 132,458            | 111,779            | 88,768        | 90,071             | 68               | 21.42          | Ind.               |
| 360,999            | 295,218       | 394,500       | 322,175       | 254,070            | 228,813            | 180,418       | 180,320            | 71               | 21.30          | Ill.               |
| 55,505             | 45,885        | 65,680        | 54,182        | 38,905             | 49,260             | 39,538        | 33,146             | 85               | 23.38          | Mich.              |
| 56,146             | 66,810        | 101,602       | 73,100        | 68,250             | 73,153             | 54,830        | 57,330             | 84               | 27.30          | Wis.               |
| 984,468            | 1,034,127     | 1,220,127     | 1,061,405     | 1,398,775          | 774,024            | 644,650       | 687,038            | 86               | 30.96          | W. N. Central      |
| 76,953             | 124,065       | 148,800       | 147,662       | 127,246            | 83,382             | 82,691        | 81,437             | 64               | 19.52          | Minn.              |
| 342,030            | 305,536       | 492,648       | 435,630       | 399,566            | 275,883            | 243,958       | 275,701            | 69               | 25.19          | Iowa               |
| 200,115            | 151,200       | 198,860       | 176,611       | 172,637            | 137,213            | 119,687       | 129,478            | 75               | 21.75          | Mo.                |
| 7,097              | 28,380        | 24,816        | 18,162        | 23,975             | 13,649             | 12,350        | 14,664             | 62               | 16.50          | N. Dak.            |
| 62,378             | 102,538       | 78,365        | 83,840        | 134,995            | 47,019             | 48,337        | 76,947             | 57               | 16.51          | S. Dak.            |
| 164,891            | 191,752       | 236,600       | 139,407       | 201,446            | 144,326            | 94,797        | 180,697            | 62               | 20.52          | Nebr.              |
| 131,044            | 130,656       | 109,942       | 61,193        | 176,910            | 72,562             | 42,835        | 107,915            | 61               | 18.30          | Kans.              |
| 278,509            | 205,860       | 222,908       | 289,090       | 237,262            | 198,848            | 187,055       | 200,063            | 88               | 18.67          | E. S. Central      |
| 8,802              | 78,200        | 85,622        | 101,277       | 75,010             | 69,354             | 65,630        | 66,009             | 88               | 22.88          | Ky.                |
| 81,073             | 66,650        | 62,240        | 85,222        | 70,650             | 56,284             | 56,247        | 58,644             | 83               | 19.22          | Tenn.              |
| 40,915             | 36,250        | 37,760        | 45,765        | 47,456             | 37,760             | 34,781        | 43,680             | 92               | 14.72          | Ala.               |
| 51,719             | 26,880        | 35,586        | 36,826        | 34,140             | 33,451             | 30,197        | 31,750             | 93               | 16.55          | Miss.              |
| 283,802            | 185,261       | 24,483        | 228,296       | 280,430            | 22,861             | 149,254       | 177,364            | 86               | 15.49          | W. S. Central      |
| 37,248             | 14,375        | 22,050        | 19,722        | 20,318             | 20,727             | 17,740        | 18,296             | 90               | 15.75          | La.                |
| 120,576            | 63,088        | 25,134        | 106,863       | 119,347            | 27,647             | 64,118        | 77,576             | 65               | 14.85          | Tex.               |
| 76,663             | 54,378        | 19,185        | 61,178        | 84,190             | 17,266             | 34,260        | 49,672             | 59               | 15.63          | Okla.              |
| 49,115             | 33,440        | 28,064        | 41,533        | 36,575             | 27,241             | 33,226        | 31,820             | 87               | 16.53          | Ark.               |
| 11,133             | 31,233        | 40,828        | 26,897        | 41,238             | 22,092             | 21,781        | 30,502             | 74               | 13.78          | Mountain           |
| 544                | 7,580         | 6,584         | 3,949         | 7,168              | 6,255              | 3,633         | 5,161              | 72               | 16.92          | Mont.              |
| 284                | 2,160         | 4,393         | 3,520         | 3,696              | 3,075              | 2,534         | 2,735              | 74               | 15.54          | Wyo.               |
| 7,011              | 14,500        | 22,065        | 16,472        | 22,816             | 15,404             | 7,435         | 15,515             | 68               | 10.88          | Colo.              |
| 2,143              | 3,990         | 3,150         | 4,420         | 2,490              | 3,180              | 3,845         | 2,316              | 23               | 13.95          | N. Mex.            |
| 500                | 982           | 1,014         | 1,120         | 1,408              | 1,318              | 1,344         | 1,619              | 115              | 36.80          | Ariz.              |
| 264                | 300           | 432           | 432           | 494                | 432                | 497           | 543                | 110              | 28.58          | Utah               |
| 30                 | 45            | 50            | 48            | 50                 | 60                 | 58            | 58                 | 115              | 29.00          | Nev.               |
| 353                | 2,026         | 3,198         | 2,706         | 3,116              | 2,398              | 2,435         | 2,556              | 82               | 33.62          | Idaho              |
| 3,940              | 5,837         | 4,693         | 6,616         | 6,971              | 7,486              | 6,876         | 6,863              | 96               | 34.14          | Pacific            |
| 832                | 1,290         | 2,030         | 1,715         | 1,501              | 1,928              | 1,629         | 1,432              | 90               | 33.30          | Wash.              |
| 586                | 1,800         | 2,060         | 2,475         | 2,916              | 2,203              | 2,475         | 2,770              | 95               | 34.20          | Oreg.              |
| 1,852              | 2,747         | 2,843         | 2,426         | 2,464              | 2,356              | 2,572         | 2,661              | 106              | 34.56          | Calif.             |

No. 613.—WHEAT: Area, Production,

| Division and State        | Area               |                    |                    |                    |                    | Yield per acre     |         |         |         |                    |
|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------|---------|---------|--------------------|
|                           | 1900-1912, average | 1904               | 1905               | 1906               | 1907 (preliminary) | 1900-1912, average | 1904    | 1905    | 1906    | 1907 (preliminary) |
|                           | Thousands of acres | Thousands of acres | Thousands of acres | Thousands of acres | Thousands of acres | Bushels            | Bushels | Bushels | Bushels | Bushels            |
| <b>United States</b>      | 47,697             | 52,046             | 54,254             | 54,287             | 54,042             | 14.7               | 16.9    | 18.9    | 16.8    | 14.9               |
| <b>New England</b>        | 4                  | 6                  | 9                  | 8                  | 6                  | 25.2               | 25.0    | 26.4    | 20.9    | 18.4               |
| Maine                     | 3                  | 4                  | 7                  | 6                  | 4                  | 25.0               | 26.0    | 28.0    | 20.0    | 18.0               |
| Vermont                   | 1                  | 1                  | 2                  | 2                  | 1                  | 20.8               | 21.0    | 21.0    | 20.0    | 20.0               |
| <b>Middle Atlantic</b>    | 1,066              | 1,517              | 1,489              | 1,514              | 1,466              | 17.4               | 17.0    | 18.0    | 18.8    | 18.2               |
| New York                  | 822                | 827                | 808                | 879                | 801                | 20.0               | 18.7    | 18.6    | 17.8    | 20.0               |
| New Jersey                | 82                 | 64                 | 86                 | 60                 | 60                 | 18.0               | 18.8    | 21.0    | 22.0    | 22.0               |
| Pennsylvania              | 1,270              | 1,136              | 1,125              | 1,177              | 1,098              | 15.7               | 16.5    | 20.0    | 22.0    | 18.8               |
| <b>South Atlantic</b>     | 2,479              | 1,000              | 1,912              | 1,068              | 2,126              | 12.0               | 12.7    | 15.8    | 17.7    | 18.8               |
| Delaware                  | 113                | 100                | 102                | 103                | 98                 | 15.9               | 17.8    | 18.5    | 20.0    | 19.0               |
| Maryland                  | 602                | 500                | 495                | 520                | 525                | 15.1               | 15.8    | 21.0    | 22.0    | 17.5               |
| Virginia                  | 742                | 630                | 630                | 687                | 687                | 12.2               | 12.4    | 14.2    | 16.5    | 12.2               |
| West Virginia             | 221                | 123                | 124                | 147                | 135                | 12.8               | 12.0    | 12.5    | 16.0    | 13.2               |
| North Carolina            | 896                | 414                | 406                | 447                | 482                | 10.4               | 12.0    | 11.0    | 14.1    | 10.7               |
| South Carolina            | 72                 | 57                 | 46                 | 50                 | 39                 | 10.8               | 11.0    | 11.0    | 16.0    | 11.0               |
| Georgia                   | 221                | 76                 | 99                 | 104                | 126                | 10.8               | 9.5     | 10.8    | 15.0    | 9.2                |
| <b>East North Central</b> | 7,070              | 6,860              | 6,647              | 6,266              | 6,366              | 14.0               | 17.9    | 18.6    | 18.7    | 18.4               |
| Ohio                      | 1,878              | 1,857              | 1,616              | 1,795              | 1,615              | 14.8               | 18.0    | 18.0    | 22.5    | 18.0               |
| Indiana                   | 2,017              | 1,704              | 1,772              | 1,708              | 1,790              | 14.4               | 17.0    | 14.5    | 20.0    | 15.8               |
| Illinois                  | 2,125              | 2,263              | 2,200              | 2,223              | 2,500              | 15.1               | 16.1    | 18.1    | 18.0    | 12.9               |
| Michigan                  | 860                | 840                | 858                | 964                | 897                | 16.0               | 24.0    | 17.0    | 18.2    | 21.8               |
| Wisconsin                 | 180                | 116                | 113                | 128                | 146                | 18.6               | 22.0    | 20.1    | 20.8    | 22.7               |
| <b>West North Central</b> | 26,022             | 27,581             | 27,938             | 28,594             | 30,356             | 12.8               | 16.5    | 11.8    | 11.7    | 12.2               |
| Minnesota                 | 4,030              | 1,716              | 2,253              | 1,929              | 1,808              | 14.9               | 22.1    | 13.4    | 12.0    | 11.8               |
| Iowa                      | 630                | 452                | 388                | 378                | 466                | 19.0               | 20.2    | 16.2    | 21.4    | 18.7               |
| Missouri                  | 2,053              | 1,607              | 1,704              | 1,403              | 1,566              | 14.8               | 13.2    | 13.2    | 15.3    | 10.0               |
| North Dakota              | 8,108              | 8,500              | 9,605              | 9,053              | 9,848              | 11.0               | 16.7    | 11.7    | 8.0     | 12.7               |
| South Dakota              | 3,603              | 2,406              | 2,701              | 1,917              | 2,092              | 10.8               | 14.6    | 11.8    | 6.1     | 14.9               |
| Nebraska                  | 2,951              | 3,061              | 2,676              | 3,077              | 3,630              | 10.6               | 19.1    | 12.8    | 12.0    | 20.3               |
| Kansas                    | 5,688              | 9,817              | 8,601              | 10,147             | 9,946              | 12.5               | 16.2    | 9.0     | 14.8    | 11.2               |
| <b>East South Central</b> | 1,446              | 161                | 608                | 709                | 663                | 11.7               | 10.4    | 12.1    | 16.1    | 6.0                |
| Kentucky                  | 728                | 200                | 230                | 258                | 322                | 12.2               | 10.3    | 14.0    | 18.5    | 9.5                |
| Tennessee                 | 685                | 810                | 367                | 440                | 528                | 11.2               | 10.5    | 12.5    | 18.0    | 7.0                |
| Alabama                   | 27                 | 6                  | 7                  | 7                  | 7                  | 11.3               | 10.0    | 11.0    | 13.4    | 10.6               |
| Mississippi               | 5                  | 5                  | 5                  | 4                  | 6                  | 12.6               | 12.4    | 18.0    | 17.0    | 17.0               |
| <b>West South Central</b> | 1,172              | 6,082              | 4,165              | 6,046              | 6,506              | 12.0               | 16.6    | 8.8     | 17.7    | 9.2                |
| Texas                     | 648                | 1,365              | 819                | 1,802              | 1,850              | 12.2               | 18.5    | 8.0     | 18.2    | 9.7                |
| Oklahoma                  | 1,426              | 3,684              | 3,316              | 4,214              | 3,708              | 12.0               | 16.0    | 8.2     | 17.5    | 9.0                |
| Arkansas                  | 88                 | 32                 | 20                 | 30                 | 28                 | 11.6               | 11.5    | 13.0    | 12.5    | 11.6               |
| <b>Mountain</b>           | 1,526              | 6,943              | 6,847              | 6,817              | 7,198              | 20.9               | 16.8    | 14.7    | 16.3    | 20.5               |
| Montana                   | 542                | 2,163              | 3,250              | 3,570              | 2,827              | 25.9               | 16.4    | 10.8    | 12.5    | 20.9               |
| Wyoming                   | 67                 | 141                | 165                | 198                | 226                | 26.7               | 15.2    | 17.5    | 18.8    | 19.5               |
| Colorado                  | 419                | 1,300              | 1,166              | 1,463              | 1,564              | 23.2               | 14.4    | 12.7    | 12.6    | 14.1               |
| New Mexico                | 50                 | 215                | 80                 | 249                | 55                 | 21.4               | 14.2    | 6.2     | 22.7    | 10.4               |
| Arizona                   | 25                 | 32                 | 32                 | 38                 | 58                 | 27.9               | 21.0    | 23.0    | 25.0    | 25.0               |
| Utah                      | 220                | 201                | 233                | 237                | 242                | 24.0               | 16.5    | 26.2    | 22.2    | 22.5               |
| Nevada                    | 32                 | 14                 | 15                 | 17                 | 19                 | 28.1               | 22.6    | 30.4    | 24.0    | 25.5               |
| Idaho                     | 480                | 827                | 926                | 1,045              | 1,171              | 27.5               | 19.4    | 28.1    | 23.6    | 27.6               |
| <b>Pacific</b>            | 2,417              | 3,117              | 3,639              | 3,786              | 4,063              | 21.2               | 15.0    | 12.4    | 18.9    | 22.1               |
| Washington                | 2,207              | 1,850              | 2,072              | 2,107              | 2,186              | 21.9               | 14.8    | 19.4    | 19.4    | 24.4               |
| Oregon                    | 774                | 890                | 964                | 1,026              | 1,065              | 21.9               | 16.5    | 19.6    | 18.2    | 25.1               |
| California                | 436                | 377                | 603                | 653                | 812                | 16.2               | 15.0    | 19.0    | 18.4    | 16.6               |

Source: Bureau of Agricultural Economics, Department of Agriculture.

## WHEAT CROP

645

## AND FARM VALUE, BY STATES

| Production                |                           |                           |                           |                           | Farm value, Dec 1 |         |                    |                  |                  | Division and State |
|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|---------|--------------------|------------------|------------------|--------------------|
| 1909-1913, average        | 1924                      | 1925                      | 1926                      | 1927 (preliminary)        | 4 month           |         |                    | Per bushel, 1927 | Per acre, 1927   |                    |
| 1,000 bushels<br>690, 106 | 1,000 bushels<br>864, 426 | 1,000 bushels<br>876, 429 | 1,000 bushels<br>831, 040 | 1,000 bushels<br>871, 061 | 1925              | 1926    | 1927 (preliminary) | Cents<br>112     | Dollars<br>16.64 |                    |
|                           | 126                       | 238                       | 100                       | 82                        | 206               | 263     | 154                | 167              | 30.80            | New Eng.           |
| 75                        | 104                       | 196                       | 120                       | 72                        | 333               | 210     | 126                | 175              | 31.50            | Me.                |
| 26                        | 21                        | 42                        | 40                        | 20                        | 63                | 53      | 28                 | 140              | 26.00            | Vt.                |
| 29,297                    | 33,660                    | 32,674                    | 29,740                    | 27,972                    | 43,874            | 38,546  | 32,387             | 127              | 24.25            | Mid. Atlantic.     |
| 6,674                     | 6,117                     | 5,998                     | 4,887                     | 6,291                     | 9,117             | 6,444   | 7,875              | 125              | 20.16            | N. Y.              |
| 1,478                     | 999                       | 1,176                     | 1,320                     | 1,380                     | 1,662             | 1,742   | 1,725              | 125              | 28.75            | N. J.              |
| 21,145                    | 18,744                    | 22,500                    | 23,533                    | 20,301                    | 33,075            | 30,359  | 25,787             | 127              | 23.49            | Pa.                |
| 31,520                    | 26,026                    | 29,048                    | 29,371                    | 28,425                    | 46,156            | 42,944  | 38,135             | 134              |                  | S. Atlantic.       |
| 1,799                     | 1,780                     | 1,887                     | 2,060                     | 1,862                     | 2,736             | 2,678   | 2,328              | 125              | 23.76            | Del.               |
| 9,108                     | 7,900                     | 10,395                    | 11,940                    | 9,189                     | 15,696            | 15,548  | 11,669             | 127              |                  | Md.                |
| 9,106                     | 5,442                     | 8,946                     | 11,336                    | 6,381                     | 14,403            | 14,850  | 11,063             | 132              | 18.10            | Va.                |
| 2,960                     | 1,566                     | 1,809                     | 2,352                     | 1,796                     | 2,856             | 3,175   | 2,461              | 137              | 18.23            | W. Va.             |
| 6,124                     | 4,198                     | 4,466                     | 6,303                     | 3,168                     | 7,637             | 9,013   | 7,494              | 145              | 15.52            | N. C.              |
| 784                       | 627                       | 506                       | 800                       | 880                       | 936               | 1,240   | 1,336              | 152              | 16.73            | S. C.              |
| 1,417                     | 722                       | 1,040                     | 1,560                     | 1,150                     | 1,893             | 2,340   | 1,782              | 155              | 14.26            | Ga.                |
| 110,209                   | 123,324                   | 102,706                   | 124,083                   | 114,073                   | 169,261           | 166,768 | 180,237            | 122              | 20.02            | E. N. Central.     |
| 28,918                    | 33,446                    | 24,304                    | 40,284                    | 29,098                    | 28,395            | 51,286  | 36,335             | 125              | 22.50            | Ohio.              |
| 40,256                    | 28,972                    | 25,700                    | 34,048                    | 27,749                    | 39,633            | 42,216  | 34,406             | 124              | 19.22            | Ind.               |
| 33,677                    | 37,968                    | 36,880                    | 41,034                    | 34,844                    | 55,280            | 50,061  | 41,696             | 120              | 16.62            | Ill.               |
| 14,030                    | 20,132                    | 14,557                    | 17,968                    | 19,270                    | 22,709            | 21,958  | 23,124             | 120              | 25.78            | Mich.              |
| 3,329                     | 2,786                     | 2,267                     | 2,569                     | 3,142                     | 3,084             | 3,262   | 3,676              | 117              | 25.35            | Wis.               |
| 336,084                   | 455,463                   | 314,838                   | 333,284                   | 402,194                   | 434,155           |         | 442,347            | 110              | 14.57            | W. N. Central.     |
| 59,613                    | 27,693                    | 30,269                    | 24,811                    | 21,397                    | 41,438            | 30,441  | 23,504             | 110              | 13.00            | Minn.              |
| 12,000                    | 9,142                     | 6,303                     | 8,078                     | 8,711                     | 8,547             | 9,658   | 10,179             | 117              | 21.84            | Iowa.              |
| 31,011                    | 21,388                    | 22,515                    | 21,474                    | 16,700                    | 33,771            | 26,630  | 19,146             | 122              | 12.21            | Mo.                |
| 89,313                    | 132,450                   | 112,387                   | 77,061                    | 124,970                   | 147,215           | 90,185  | 129,969            | 104              |                  | N. Dak.            |
| 38,608                    | 35,157                    | 31,835                    | 11,611                    | 46,193                    | 40,734            | 13,682  | 48,945             | 106              | 15.83            | S. Dak.            |
| 49,555                    | 58,519                    | 34,150                    | 40,085                    | 73,826                    | 47,927            | 46,733  | 80,352             | 109              | 22.14            | Nebr.              |
| 75,964                    | 159,964                   | 77,388                    | 150,084                   | 111,327                   | 114,523           | 178,599 | 130,252            | 117              | 13.10            | Kans.              |
| 18,965                    | 3,427                     | 7,975                     | 12,845                    | 6,931                     | 12,047            | 17,367  | 9,800              | 137              | 11.03            | E. S. Central.     |
| 8,896                     | 2,000                     | 3,220                     | 4,773                     | 3,059                     | 5,152             | 6,348   | 4,120              | 135              | 12.83            | Ky.                |
| 7,705                     | 3,255                     | 4,688                     | 7,920                     | 3,696                     | 7,616             | 10,771  | 5,187              | 139              | 9.72             | Tenn.              |
| 304                       | 60                        | 77                        | 94                        | 74                        | 125               | 150     | 115                | 155              | 16.43            | Ala.               |
| 60                        | 62                        | 90                        | 68                        | 102                       | 144               | 68      | 138                | 135              | 23.00            | Miss.              |
| 27,395                    | 54,578                    | 34,123                    | 108,946                   | 61,699                    | 60,712            | 126,999 | 62,161             | 120              | 11.13            | W. S. Central.     |
| 8,944                     | 25,252                    | 6,552                     | 32,790                    | 17,946                    | 10,156            | 39,358  | 21,713             | 121              | 11.74            | Tex.               |
| 17,418                    | 58,944                    | 27,191                    | 73,745                    | 33,372                    | 39,971            | 87,019  | 40,046             | 120              | 10.80            | Okla.              |
| 1,033                     | 380                       | 290                       | 405                       | 322                       | 365               | 518     | 402                | 125              | 14.36            | Ark.               |
| 48,189                    | 96,870                    | 66,312                    | 104,649                   | 146,867                   | 115,190           | 112,761 | 144,188            | 96               | 20.12            | Mountain.          |
| 13,593                    | 51,799                    | 25,021                    | 44,744                    | 79,702                    | 42,802            | 50,123  | 76,623             | 96               | 20.02            | Mont.              |
| 1,786                     | 2,141                     | 2,720                     | 2,714                     | 4,412                     | 3,372             | 3,974   | 4,167              | 94               | 18.44            | Wyo.               |
| 9,545                     | 19,520                    | 14,652                    | 18,462                    | 21,967                    | 19,896            | 19,770  | 22,797             |                  | 14.58            | Colo.              |
| 1,064                     | 3,050                     | 492                       | 3,653                     |                           | 738               | 6,242   | 676                | 119              | 12.29            | N. Mex.            |
| 706                       | 672                       | 736                       | 950                       | 1,450                     | 1,268             | 1,233   | 1,958              | 135              | 33.76            | Ariz.              |
| 5,402                     | 3,313                     | 6,094                     | 3,506                     | 3,678                     | 7,893             | 5,772   | 5,792              | 102              | 23.93            | Utah.              |
| 667                       | 318                       | 456                       | 408                       | 484                       | 606               | 472     | 605                | 125              | 31.84            | Nev.               |
| 15,444                    | 10,059                    | 26,042                    | 24,633                    | 32,374                    | 32,882            | 26,173  | 31,570             | 96               | 26.96            | Idaho.             |
| 72,506                    | 46,726                    | 70,001                    | 71,822                    | 92,706                    | 95,684            | 65,551  | 106,585            | 110              | 25.49            | Pacific.           |
| 46,479                    | 26,360                    | 40,251                    | 40,901                    | 53,344                    | 62,434            | 47,404  | 37,471             | 108              | 26.29            | Wash.              |
| 16,945                    | 14,893                    | 18,893                    | 18,706                    | 26,782                    | 26,694            | 22,447  | 29,946             | 112              | 26.17            | Oreg.              |
| 7,144                     | 5,655                     | 11,457                    | 12,015                    | 13,642                    | 16,966            | 15,620  | 16,096             | 118              | 19.63            | Calif.             |

| Division and State        | Acres              |           |           |           |                    | Yield per acre     |         |         |         |                    |
|---------------------------|--------------------|-----------|-----------|-----------|--------------------|--------------------|---------|---------|---------|--------------------|
|                           | 1909-1913, average | 1924      | 1925      | 1926      | 1927 (preliminary) | 1909-1913, average | 1924    | 1925    | 1926    | 1927 (preliminary) |
|                           | Thousands          | Thousands | Thousands | Thousands | Thousands          | Bushels            | Bushels | Bushels | Bushels | Bushels            |
| <b>United States</b>      | 37,337             | 42,110    | 44,879    | 44,177    | 42,227             | 30.6               | 35.7    | 33.2    | 36.2    | 36.2               |
| <b>New England</b>        | 182                | 233       | 256       | 260       | 246                | 37.7               | 37.4    | 42.1    | 37.5    | 37.4               |
| Maine                     | 12                 | 12        | 13        | 13        | 13                 | 38.5               | 38.0    | 43.0    | 38.0    | 37.0               |
| New Hampshire             | 12                 | 11        | 12        | 11        | 11                 | 35.4               | 39.0    | 39.0    | 39.0    | 39.0               |
| Vermont                   | 76                 | 79        | 84        | 82        | 83                 | 38.1               | 38.0    | 40.0    | 38.0    | 38.0               |
| Massachusetts             | 8                  | 8         | 9         | 9         | 8                  | 34.1               | 34.0    | 39.0    | 34.0    | 35.0               |
| Rhode Island              | 2                  | 2         | 2         | 2         | 2                  | 28.7               | 30.0    | 33.0    | 32.0    | 32.0               |
| Connecticut               | 11                 | 13        | 13        | 15        | 15                 | 31.6               | 30.0    | 32.0    | 32.0    | 32.0               |
| <b>Middle Atlantic</b>    | 1,492              | 1,994     | 2,294     | 2,178     | 2,149              | 31.0               | 35.2    | 34.2    | 32.0    | 35.5               |
| New York                  | 1,290              | 1,940     | 1,017     | 1,017     | 1,000              | 31.3               | 36.0    | 36.0    | 34.0    | 35.0               |
| New Jersey                | 70                 | 48        | 50        | 50        | 49                 | 39.5               | 30.0    | 30.0    | 31.0    | 36.0               |
| Pennsylvania              | 1,132              | 1,006     | 1,157     | 1,111     | 1,100              | 30.7               | 35.0    | 35.0    | 32.0    | 30.0               |
| <b>South Atlantic</b>     | 1,238              | 1,396     | 1,601     | 1,682     | 1,648              | 30.8               | 30.0    | 30.1    | 34.8    | 32.4               |
| Delaware                  | 4                  | 4         | 4         | 4         | 4                  | 30.1               | 30.0    | 28.0    | 29.0    | 29.0               |
| Maryland                  | 48                 | 48        | 55        | 52        | 51                 | 28.1               | 34.0    | 32.0    | 32.8    | 32.1               |
| Virginia                  | 103                | 180       | 192       | 188       | 186                | 20.9               | 23.5    | 21.8    | 26.0    | 21.8               |
| West Virginia             | 110                | 150       | 188       | 207       | 234                | 24.2               | 27.0    | 27.0    | 28.0    | 24.2               |
| North Carolina            | 220                | 268       | 268       | 310       | 273                | 17.9               | 18.0    | 19.0    | 22.0    | 21.0               |
| South Carolina            | 338                | 360       | 378       | 416       | 440                | 21.6               | 19.5    | 19.0    | 25.2    | 22.0               |
| Georgia                   | 401                | 275       | 413       | 475       | 442                | 20.2               | 15.5    | 17.0    | 22.0    | 21.0               |
| Florida                   | 44                 | 11        | 12        | 12        | 11                 | 16.4               | 12.5    | 14.0    | 16.7    | 11.0               |
| <b>East North Central</b> | 11,863             | 11,998    | 12,816    | 12,838    | 11,866             | 30.6               | 39.1    | 39.9    | 31.8    | 36.2               |
| Ohio                      | 1,836              | 1,600     | 2,000     | 1,960     | 1,900              | 35.2               | 41.0    | 41.8    | 38.0    | 32.0               |
| Indiana                   | 1,736              | 1,875     | 2,138     | 2,050     | 1,948              | 31.2               | 37.0    | 38.0    | 30.0    | 25.0               |
| Illinois                  | 4,263              | 4,374     | 4,855     | 4,661     | 4,008              | 34.1               | 39.0    | 22.5    | 26.5    | 25.5               |
| Michigan                  | 1,486              | 1,513     | 1,619     | 1,570     | 1,617              | 31.6               | 38.8    | 32.0    | 33.0    | 31.5               |
| Wisconsin                 | 2,242              | 2,590     | 2,603     | 2,577     | 2,422              | 33.7               | 40.0    | 48.5    | 37.5    | 38.5               |
| <b>West North Central</b> | 16,807             | 21,347    | 22,513    | 21,084    | 20,607             | 28.8               | 38.6    | 34.1    | 34.4    | 27.6               |
| Minnesota                 | 2,966              | 4,587     | 4,770     | 4,532     | 4,496              | 32.8               | 43.0    | 42.0    | 28.5    | 26.0               |
| Iowa                      | 4,902              | 5,853     | 6,221     | 6,218     | 5,972              | 33.8               | 42.0    | 39.2    | 31.5    | 31.0               |
| Missouri                  | 1,170              | 1,630     | 1,923     | 2,173     | 1,830              | 25.9               | 25.0    | 26.0    | 17.0    | 17.0               |
| North Dakota              | 2,208              | 2,616     | 2,354     | 2,024     | 2,125              | 25.9               | 34.0    | 27.0    | 17.0    | 21.5               |
| South Dakota              | 1,558              | 2,834     | 2,834     | 1,984     | 2,450              | 24.1               | 37.0    | 34.0    | 11.7    | 29.3               |
| Nebraska                  | 2,395              | 2,456     | 2,699     | 2,537     | 2,441              | 23.0               | 28.0    | 27.4    | 20.7    | 26.6               |
| Kansas                    | 1,618              | 1,369     | 1,712     | 1,626     | 1,463              | 25.6               | 25.0    | 23.0    | 31.6    | 23.5               |
| <b>East South Central</b> | 879                | 813       | 684       | 683       | 543                | 30.5               | 30.0    | 30.8    | 34.2    | 18.1               |
| Kentucky                  | 166                | 235       | 247       | 259       | 215                | 22.5               | 23.2    | 21.0    | 24.5    | 19.0               |
| Tennessee                 | 311                | 177       | 221       | 276       | 179                | 21.0               | 21.0    | 22.0    | 25.0    | 17.0               |
| Alabama                   | 282                | 126       | 121       | 107       | 101                | 18.9               | 15.0    | 17.0    | 22.0    | 17.5               |
| Mississippi               | 120                | 75        | 65        | 41        | 48                 | 18.2               | 16.0    | 19.0    | 22.0    | 19.0               |
| <b>West South Central</b> | 1,325              | 2,266     | 2,698     | 3,577     | 3,357              | 25.5               | 38.7    | 17.6    | 36.6    | 20.2               |
| Louisiana                 | 37                 | 25        | 30        | 30        | 35                 | 21.1               | 20.0    | 21.0    | 26.5    | 17.5               |
| Texas                     | 746                | 1,455     | 1,091     | 1,964     | 2,063              | 29.5               | 34.0    | 12.3    | 42.0    | 21.0               |
| Oklahoma                  | 837                | 1,200     | 1,140     | 1,340     | 1,112              | 23.5               | 25.0    | 23.0    | 28.0    | 19.0               |
| Arkansas                  | 205                | 275       | 261       | 243       | 207                | 23.2               | 18.0    | 16.0    | 20.0    | 20.0               |
| <b>Mountain</b>           | 1,568              | 1,163     | 1,233     | 1,200     | 1,146              | 42.2               | 29.2    | 29.5    | 38.5    | 34.4               |
| Montana                   | 425                | 550       | 605       | 641       | 596                | 40.1               | 29.5    | 22.5    | 26.0    | 40.0               |
| Wyoming                   | 180                | 125       | 134       | 120       | 120                | 30.3               | 30.0    | 35.0    | 35.0    | 34.0               |
| Colorado                  | 280                | 232       | 214       | 195       | 180                | 38.0               | 25.0    | 27.0    | 24.0    | 29.0               |
| New Mexico                | 45                 | 56        | 36        | 54        | 30                 | 34.2               | 20.0    | 20.0    | 28.0    | 22.0               |
| Arizona                   | 6                  | 10        | 12        | 15        | 17                 | 41.4               | 28.0    | 30.0    | 35.0    | 26.0               |
| Utah                      | 87                 | 55        | 60        | 54        | 51                 | 45.2               | 32.8    | 47.0    | 40.0    | 42.0               |
| Nevada                    | 9                  | 2         | 2         | 2         | 2                  | 42.5               | 30.0    | 40.0    | 32.0    | 40.0               |
| Idaho                     | 325                | 155       | 170       | 110       | 143                | 44.5               | 36.0    | 49.0    | 40.0    | 47.0               |
| <b>Pacific</b>            | 838                | 641       | 735       | 669       | 640                | 40.3               | 29.2    | 37.2    | 34.4    | 37.1               |
| Washington                | 292                | 175       | 254       | 220       | 183                | 47.8               | 35.5    | 44.0    | 43.0    | 50.0               |
| Oregon                    | 354                | 280       | 320       | 304       | 310                | 37.5               | 28.0    | 33.0    | 29.0    | 34.0               |
| California                | 292                | 86        | 151       | 150       | 147                | 44.6               | 18.2    | 34.7    | 32.5    | 26.5               |

Source: Bureau of Agricultural Economics, Department of Agriculture.



## AND FARM VALUE, BY STATES

| Production         |         |         |         |                    | Farm value, Dec 1 |         |                    |                  |                | Division and State |
|--------------------|---------|---------|---------|--------------------|-------------------|---------|--------------------|------------------|----------------|--------------------|
| 1909-1913, average | 1924    | 1925    | 1926    | 1927 (preliminary) | Amount            |         |                    | Per bushel, 1927 | Per acre, 1927 |                    |
|                    |         |         |         |                    | 1925              | 1926    | 1927 (preliminary) |                  |                |                    |
|                    |         |         |         |                    |                   |         |                    |                  |                |                    |
| 9,084              | 3,890   | 10,740  | 9,808   | 9,983              | 8,150             | 8,010   | 8,385              | 67               | 16.10          | New Eng.           |
| 5,078              | 4,750   | 6,073   | 5,168   | 4,773              | 3,341             | 3,256   | 3,246              | 68               | 25.16          | Me.                |
| 422                | 429     | 468     | 440     | 429                | 300               | 296     | 300                | 70               | 27.27          | N. H.              |
| 2,905              | 3,002   | 3,389   | 3,116   | 3,237              | 1,982             | 1,870   | 2,104              | 65               | 25.35          | Vt.                |
| 290                | 272     | 342     | 306     | 280                | 222               | 214     | 196                | 70               | 24.50          | Mass.              |
| 57                 | 60      | 66      | 96      | 64                 | 43                | 67      | 48                 | 75               | 24.00          | R. I.              |
| 342                | 377     | 429     | 480     | 480                | ■                 | 317     | 331                | 69               | 22.07          | Conn.              |
| 76,931             | 71,496  | 78,807  | 71,780  | 78,964             | 40,500            | 35,834  | 41,569             | 56               | 19.34          | Mid. Atl.          |
| 40,071             | 33,840  | 36,612  | 34,578  | 35,000             | 19,038            | 17,289  | 19,250             | 55               | 19.25          | N. Y.              |
| 2,082              | 1,440   | 1,500   | 1,650   | 1,764              | 810               | 825     | 935                | 53               | 19.08          | N. J.              |
| 34,778             | 36,216  | 40,495  | 35,552  | 36,600             | 20,652            | 17,420  | 21,384             | 54               | 19.44          | Pa.                |
| 39,191             | 35,656  | 30,351  | 40,878  | 36,707             | 33,497            | 36,784  | 35,961             | 71               | 15.83          | S. Atl.            |
| 120                | 120     | 100     | 112     | 116                | 65                | 66      | 79                 | 68               | 19.75          | Del.               |
| 1,301              | 1,632   | 1,769   | 1,706   | 1,708              | 933               | 853     | 922                | 54               | 18.08          | Md.                |
| 4,938              | 4,330   | 4,128   | 4,836   | 3,999              | 2,890             | 3,047   | 2,559              | 64               | 13.76          | Va.                |
| 2,670              | 3,800   | 5,074   | 5,796   | 5,421              | 3,147             | 3,420   | 3,469              | 64               | 15.49          | W. Va.             |
| 3,935              | 4,644   | 4,902   | 6,820   | 5,733              | 3,736             | 4,706   | 4,128              | 72               | 15.12          | N. C.              |
| 7,265              | 7,020   | 7,182   | 10,483  | 10,327             | 6,464             | 7,024   | 7,745              | 75               | 17.25          | S. C.              |
| 8,196              | 4,262   | 7,021   | 10,925  | 9,282              | ■                 | 7,538   | 6,962              | 75               | 15.75          | Ga.                |
| 726                | 148     | 182     | 300     | 121                | 164               | 130     | 97                 | 80               | 8.82           | Fla.               |
| 387,565            | 467,966 | 478,708 | 408,704 | 556,121            | 178,442           | 159,479 | 169,077            | 45               | ■              | E. N. C.           |
| 65,233             | 65,600  | 83,000  | 75,240  | 60,800             | 32,370            | 29,344  | 27,360             | 45               | 14.40          | Ohio.              |
| 54,719             | 69,375  | 59,844  | 61,500  | 48,700             | 22,150            | 21,525  | 20,941             | 43               | 10.75          | Ind.               |
| 145,117            | 170,586 | 157,788 | 123,516 | 102,204            | 55,226            | 43,231  | 43,948             | 43               | 10.97          | Ill.               |
| 46,964             | 58,704  | 51,808  | 51,810  | 54,170             | 30,723            | 30,724  | 26,002             | 48               | 16.08          | Mich.              |
| 75,542             | 103,600 | 126,246 | 96,638  | 93,247             | 47,973            | 38,655  | 43,826             | 47               | 18.06          | Wis.               |
| 485,176            | 780,686 | 767,444 | 613,745 | 567,634            | 250,339           | 188,695 | 239,539            | 40               | 11.14          | W. N. C.           |
| 97,294             | 197,241 | 200,340 | 129,162 | 120,493            | 62,195            | 43,915  | 48,197             | 40               | 10.72          | Minn.              |
| 166,175            | 245,910 | 243,863 | 195,867 | 197,076            | 78,036            | 68,563  | 82,772             | ■                | 13.86          | Iowa.              |
| 30,137             | 49,750  | 49,998  | 43,460  | 27,710             | 21,960            | 18,253  | 13,024             | 47               | 7.99           | Mo.                |
| 57,627             | 88,944  | 63,558  | 34,408  | 45,668             | 17,161            | 11,355  | 15,991             | 35               | 7.53           | N. Dak.            |
| 37,666             | 104,558 | 96,356  | 23,213  | 72,664             | 26,980            | 8,357   | 26,159             | 36               | 10.55          | S. Dak.            |
| 55,966             | 68,768  | 73,953  | 52,516  | 69,813             | 26,623            | 21,006  | 27,925             | 40               | 11.44          | Nebr.              |
| 40,290             | 34,225  | 39,376  | 35,122  | 34,380             | 17,325            | 13,454  | 15,471             | 45               | 10.57          | Kans.              |
| 17,893             | 13,344  | 13,891  | 16,508  | 9,806              | 9,169             | 9,344   | 6,158              | 69               | 11.33          | E. S. C.           |
| 3,717              | 5,452   | 5,187   | 6,346   | 4,065              | 3,000             | 3,363   | 2,451              | 60               | 11.40          | Ky.                |
| 6,549              | 3,717   | 4,862   | 6,900   | 3,043              | 3,112             | 3,795   | 1,826              | 60               | 10.30          | Tenn.              |
| 5,354              | 1,875   | 2,227   | 2,354   | 1,768              | 1,737             | 1,901   | 1,238              | 70               | 12.26          | Ala.               |
| 2,203              | 1,200   | 1,615   | 902     | 912                | 1,260             | 595     | 638                | 70               | 13.29          | Miss.              |
| 47,174             | 64,890  | 44,443  | 127,330 | 67,948             | 24,782            | 48,908  | 31,871             | 47               | ■              | W. S. C.           |
| 782                | 500     | 630     | 798     | 612                | 504               | 511     | 404                | 65               | 11.54          | La.                |
| 22,849             | 49,470  | 13,419  | 83,666  | 42,093             | 8,454             | 31,793  | 19,770             | 47               | 9.87           | Tex.               |
| 18,678             | 30,000  | 26,220  | 37,520  | 21,128             | 13,372            | 13,862  | 9,296              | 44               | 8.36           | Okl.               |
| 4,825              | 4,050   | 4,176   | 5,346   | 4,140              | 2,422             | 2,790   | 2,401              | 59               | 11.80          | Ark.               |
| 57,878             | 34,619  | 36,390  | 34,567  | 44,096             | 18,879            | 17,501  | 20,681             | 47               | 17.88          | Mountain.          |
| 19,643             | 16,225  | 13,612  | 16,666  | 23,840             | 7,214             | 8,833   | 10,490             | 44               | 17.60          | Mont.              |
| 7,795              | 3,750   | 4,600   | 4,200   | 4,560              | 2,157             | 1,690   | 1,915              | 42               | 15.96          | Wyo.               |
| 10,966             | 5,600   | 5,778   | 4,680   | 5,461              | 2,899             | 2,059   | 2,631              | 48               | 13.92          | Colo.              |
| 1,542              | 1,120   | 720     | 1,512   | 680                | 461               | 847     | 370                | 56               | 12.33          | N. Mex.            |
| 249                | 280     | 360     | 525     | 612                | 270               | 794     | 428                | 70               | 25.18          | Ariz.              |
| 3,928              | 1,604   | 2,820   | 2,180   | 2,142              | 1,746             | 1,296   | 1,386              | 60               | 25.20          | Utah.              |
| 373                | 60      | 80      | 64      | 80                 | 52                | 40      | 52                 | 66               | 26.00          | Nev.               |
| 14,492             | 5,580   | 8,330   | 4,760   | 6,721              | 3,582             | 2,142   | 3,360              | 50               | 23.50          | Idaho.             |
| 33,786             | 14,143  | 26,978  | 23,739  | 23,280             | 14,394            | 13,061  | 13,350             | 56               | 20.66          | Pacific.           |
| 13,493             | 6,738   | 11,176  | 9,847   | 9,150              | 5,812             | 5,219   | 5,124              | 56               | 28.00          | Wash.              |
| 13,292             | 7,840   | 10,560  | 8,816   | 10,540             | 5,386             | 4,498   | 5,586              | 53               | 18.02          | Oreg.              |
| 7,001              | 1,566   | 5,240   | 5,070   | 4,190              | 3,196             | 2,434   | 2,640              | 63               | 17.96          | Calif.             |

| Division and State        | Acres                          |                          |                          |                          | Yield per acre                  |                                |                  |                  |                  |                                 |
|---------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|---------------------------------|--------------------------------|------------------|------------------|------------------|---------------------------------|
|                           | 1909-<br>1913,<br>aver-<br>age | 1924                     | 1925                     | 1926                     | 1927<br>(pre-<br>limi-<br>nary) | 1909-<br>1913,<br>aver-<br>age | 1924             | 1925             | 1926             | 1927<br>(pre-<br>limi-<br>nary) |
|                           | Thou-<br>sands<br>7, 619       | Thou-<br>sands<br>6, 995 | Thou-<br>sands<br>8, 088 | Thou-<br>sands<br>7, 970 | Thou-<br>sands<br>9, 492        | Bushels<br>24. 2               | Bushels<br>20. 2 | Bushels<br>23. 5 | Bushels<br>23. 2 | Bushels<br>23. 0                |
| <b>United States</b>      |                                |                          |                          |                          |                                 |                                |                  |                  |                  |                                 |
| <b>New England</b>        | 17                             | 8                        | 9                        | 10                       | 10                              | 29. 1                          | 29. 1            | 33. 0            | 30. 0            | 29. 2                           |
| Maine                     | 4                              | ■                        | 3                        | 4                        | 4                               | 28. 3                          | 29. 0            | 35. 0            | 30. 0            | 27. 0                           |
| New Hampshire             | 1                              |                          |                          |                          |                                 | 26. 2                          |                  |                  |                  |                                 |
| Vermont                   | 12                             | 5                        | 6                        | 6                        | 6                               | 31. 7                          | 31. 0            | 32. 0            | 30. 0            | 28. 0                           |
| <b>Middle Atlantic</b>    | 67                             | 197                      | 179                      | 199                      | 211                             | 26. 2                          | 26. 3            | 28. 7            | 28. 2            | 29. 0                           |
| New York                  | 60                             | 135                      | 157                      | 173                      | 188                             | 26. 2                          | 26. 6            | 29. 0            | 28. 3            | 29. 0                           |
| New Jersey                |                                | 1                        | 1                        | 1                        | 2                               |                                | 29. 0            | 27. 0            | 33. 0            | 37. 0                           |
| Pennsylvania              | 7                              | 11                       | 15                       | 18                       | 21                              | 25. 4                          | 26. 5            | 25. 5            | 27. 0            | 28. 0                           |
| <b>South Atlantic</b>     | 14                             | 23                       | 28                       | 36                       | 49                              | 28. 2                          | 28. 9            | 27. 4            | 30. 0            | 26. 0                           |
| Maryland                  | 4                              | 11                       | 12                       | 10                       | 9                               | 28. 4                          | 25. 0            | 33. 0            | 34. 3            | 30. 5                           |
| Virginia                  | 10                             | 15                       | 16                       | 14                       | 13                              | 26. 4                          | 27. 0            | 26. 0            | 31. 0            | 29. 0                           |
| North Carolina            |                                | 7                        | 10                       | 15                       | 20                              |                                | 23. 0            | 23. 0            | 26. 0            | 24. 0                           |
| <b>East North Central</b> | 943                            | 808                      | 1, 047                   | 1, 095                   | 1, 442                          | 26. 7                          | 31. 1            | 32. 1            | 22. 3            | 31. 1                           |
| Ohio                      | 25                             | 35                       | 110                      | 116                      | 155                             | 27. 3                          | 28. 0            | 31. 0            | 32. 0            | 27. 0                           |
| Indiana                   | 9                              | 20                       | 32                       | 23                       | 28                              | 26. 3                          | 24. 0            | 23. 0            | 25. 0            | 21. 5                           |
| Illinois                  | 57                             | 228                      | 315                      | 302                      | 453                             | 28. 7                          | 32. 0            | 33. 0            | 31. 0            | 29. 5                           |
| Michigan                  | 90                             | 115                      | 129                      | 133                      | 186                             | 25. 1                          | 29. 3            | 24. 5            |                  | 23. 5                           |
| Wisconsin                 | 802                            | 391                      | 461                      | 521                      | 620                             | 26. 8                          | 32. 0            | 36. 8            | 34. 5            | 34. 5                           |
| <b>West North Central</b> | 4, 491                         | 4, 011                   | 4, 589                   | 4, 397                   | 5, 419                          | 20. 5                          | 24. 0            | 24. 9            | 18. 0            | 27. 3                           |
| Minnesota                 | 1, 468                         | 915                      | 1, 008                   | 1, 307                   | 1, 503                          | 29. 2                          | 32. 0            | 30. 0            | 26. 0            | 29. 0                           |
| Iowa                      | 493                            | 136                      | 175                      | 208                      | 456                             | 25. 9                          | 31. 0            | 31. 2            | 30. 5            | 31. 4                           |
| Missouri                  | 6                              | 4                        | 6                        | 9                        | 7                               | 23. 8                          | 25. 0            | 31. 0            | 34. 0            | 21. 0                           |
| North Dakota              | 1, 162                         | 1, 466                   | 1, 732                   | 1, 472                   | 1, 663                          | 19. 2                          | 26. 0            | 22. 5            | 14. 3            | 25. 5                           |
| South Dakota              | 1, 007                         | 790                      | 915                      | 778                      | 1, 099                          | 17. 3                          | 27. 0            | 26. 0            | 10. 1            | 20. 0                           |
| Nebraska                  | 117                            | 231                      | 233                      | 227                      | 246                             | 17. 9                          | 25. 0            | 24. 8            | 20. 7            | 30. 8                           |
| Kansas                    | 213                            | 447                      | 380                      | 268                      | 452                             | 14. 6                          | 16. 5            | 16. 0            | 11. 4            | 12. 6                           |
| <b>East South Central</b> | 6                              | 15                       | 26                       | 47                       | 46                              | 23. 6                          | 20. 6            | 23. 6            | 20. 4            | 26. 0                           |
| Kentucky                  | 3                              | 5                        | 6                        | 7                        | 5                               | 25. 9                          | 24. 0            | 25. 0            | 32. 0            | 27. 0                           |
| Tennessee                 | 3                              | 20                       | 22                       | 40                       | 42                              | 23. 2                          | 20. 0            | 23. 0            | 30. 0            | 19. 0                           |
| <b>West South Central</b> | 14                             | 375                      | 348                      | 334                      | 374                             | 22. 1                          | 23. 9            | 10. 7            | 31. 9            | 16. 1                           |
| Texas                     | 5                              | 166                      | 116                      | 174                      | 195                             | 24. 1                          | 25. 0            | 7. 2             | 35. 0            | 16. 0                           |
| Oklahoma                  | 9                              | 209                      | 126                      | 110                      | 79                              | 18. 4                          | 23. 0            | 14. 0            | 27. 0            | 16. 5                           |
| <b>Mountain</b>           | 359                            | 690                      | 775                      | 744                      | 806                             | 37. 6                          | 24. 0            | 26. 3            | 23. 4            | 29. 7                           |
| Montana                   | 37                             | 104                      | 156                      | 150                      | 195                             | 33. 6                          | 25. 0            | 21. 0            | 24. 0            | 33. 0                           |
| Wyoming                   | 11                             | 25                       | 34                       | 42                       | 30                              | 31. 9                          | 29. 0            | 33. 0            | 33. 0            | 36. 0                           |
| Colorado                  | 79                             | 327                      | 410                      | 380                      | 456                             | 33. 7                          | 30. 0            | 21. 0            | 16. 0            | 22. 0                           |
| New Mexico                | 3                              | 6                        | 5                        | 6                        | 8                               | 31. 4                          | 15. 0            | 17. 0            | 26. 0            | 18. 0                           |
| Arizona                   | 35                             | 20                       | 20                       | 25                       | 30                              | 35. 2                          | 30. 0            | 35. 0            | 35. 0            | 35. 0                           |
| Utah                      | 26                             | 14                       | 18                       | 20                       | 30                              | 40. 5                          | 28. 5            | 43. 0            | 40. 0            | 47. 0                           |
| Nevada                    | 12                             | 6                        | 8                        | 7                        | 9                               | 40. 0                          | 39. 5            | 48. 0            | 40. 0            | 45. 0                           |
| Idaho                     | 150                            | 118                      | 124                      | 112                      | 129                             | 40. 1                          | 31. 0            | 44. 0            | 37. 0            | 44. 0                           |
| <b>Pacific</b>            | 1, 635                         | 900                      | 1, 237                   | 1, 298                   | 1, 143                          | 26. 6                          | 23. 0            | 31. 4            | 30. 1            | 28. 6                           |
| Washington                | 177                            | 70                       | 91                       | 64                       | 34                              | 27. 8                          | 22. 6            | 34. 0            | 34. 0            | 42. 0                           |
| Oregon                    | 115                            | 65                       | 96                       | 82                       | 91                              | 33. 6                          | 22. 0            | 33. 0            | 29. 0            | 35. 0                           |
| California                | 1, 303                         | 765                      | 1, 050                   | 1, 050                   | 994                             | 29. 3                          | 21. 9            | 31. 0            | 30. 0            | 27. 5                           |

Source: Bureau of Agricultural Economics, Department of Agriculture.

## AND FARM VALUE, BY STATES

| Production         |               |               |               |                    | Farm value, Dec. 1 |               |               |                  |                | Division and State  |
|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|------------------|----------------|---------------------|
| 1909-1913, average | 1924          | 1925          | 1926          | 1927 (preliminary) | Amount             |               |               | Per bushel, 1927 | Per acre, 1927 |                     |
| 1,000 bushels      | 1,000 bushels | 1,000 bushels | 1,000 bushels | 1,000 bushels      | 1,000 dollars      | 1,000 dollars | 1,000 dollars | Cents            | Dollars        |                     |
| 184,812            | 181,575       | 216,554       | 184,905       | 205,577            | 127,453            | 106,237       | 180,127       | 68               | 18.98          | United States.      |
| 526                | 233           | 297           | 300           | 283                | 243                | 263           | 267           | 95               | 24.70          | New England.        |
| 119                | 78            | 105           | 120           | 108                | 84                 | 110           | 102           | 94               | 25.50          | Maine.              |
| 26                 |               |               |               |                    |                    |               |               |                  |                | New Hampshire.      |
| 381                | 155           | 192           | 180           | 174                | 159                | 153           | 165           | 95               | 27.50          | Vermont.            |
| 2,280              | 4,452         | 4,963         | 5,585         | 6,114              | 3,859              | 4,217         | 4,911         | 80               | 23.27          | Middle Atlantic.    |
| 2,093              | 4,131         | 4,553         | 5,066         | 5,452              | 3,506              | 3,800         | 4,362         | 80               | 23.20          | New York.           |
|                    | 29            | 27            | 33            | 74                 | 24                 | 28            | 61            | 83               | 30.50          | New Jersey.         |
| 187                | 292           | 383           | 486           | 588                | 329                | 389           | 488           | 83               | 23.24          | Pennsylvania.       |
| 395                | 951           | 1,042         | 1,167         | 1,092              | 1,025              | 1,055         | 1,080         | 97               | 25.94          | South Atlantic.     |
| 126                | 385           | 396           | 343           | 274                | 345                | 274           | 238           | 87               | 26.44          | Maryland.           |
| 260                | 405           | 416           | 434           | 338                | 404                | 391           | 294           | 87               | 22.62          | Virginia.           |
|                    | 161           | 230           | 390           | 480                | 276                | 390           | 528           | 110              | 26.40          | North Carolina.     |
| 26,294             | 25,102        | 34,666        | 35,413        | 44,906             | 22,931             | 22,256        | 33,266        | 74               | 23.11          | East North Central. |
| 675                | 1,540         | 3,410         | 3,712         | 4,185              | 2,387              | 2,301         | 3,013         | 72               | 19.44          | Ohio.               |
| 242                | 480           | 736           | 575           | 666                | 523                | 380           | 486           | 73               | 17.36          | Indiana.            |
| 1,633              | 7,200         | 10,395        | 9,362         | 13,364             | 6,549              | 5,430         | 9,756         | 73               | 21.54          | Illinois.           |
| 2,249              | 3,370         | 3,160         | 3,790         | 5,301              | 2,275              | 2,464         | 4,029         | 76               | 21.66          | Michigan.           |
| 21,495             | 12,512        | 16,965        | 17,974        | 21,390             | 11,197             | 11,683        | 16,042        | 75               | 25.87          | Wisconsin.          |
| 92,286             | 106,745       | 113,108       | 77,704        | 147,917            | 54,949             | 39,758        | 90,179        | 61               | 16.65          | West North Central. |
| 34,487             | 29,260        | 32,940        | 32,675        | 45,090             | 17,129             | 16,664        | 29,308        | 65               | 19.50          | Minnesota.          |
| 12,714             | 4,216         | 5,478         | 8,174         | 14,318             | 3,122              | 4,577         | 9,450         | 66               | 20.72          | Iowa.               |
| 154                | 100           | 186           | 216           | 161                | 177                | 173           | 153           | 95               | 21.86          | Missouri.           |
| 22,534             | 38,168        | 38,970        | 21,050        | 42,406             | 16,757             | 9,683         | 25,020        | 59               | 15.05          | North Dakota.       |
| 17,237             | 21,330        | 23,790        | 7,858         | 32,670             | 11,181             | 4,086         | 18,949        | 58               | 17.40          | South Dakota.       |
| 2,085              | 6,275         | 5,662         | 4,699         | 7,577              | 3,057              | 2,725         | 4,167         | 55               | 16.94          | Nebraska.           |
| 3,075              | 7,376         | 6,080         | 3,032         | 5,695              | 3,526              | 1,850         | 3,132         | 55               | 6.93           | Kansas.             |
| 143                | 520           | 682           | 1,431         | 860                | 705                | 1,351         | 945           | 98               | 19.69          | East South Central. |
| 76                 | 120           | 156           | 231           | 162                | 148                | 199           | 147           | 91               | 24.50          | Kentucky.           |
| 65                 | 400           | 506           | 1,200         | 798                | 557                | 1,152         | 798           | 100              | 19.00          | Tennessee.          |
| 309                | 8,957         | 2,569         | 9,060         | 4,424              | 2,075              | 4,951         | 3,032         | 69               | 11.07          | West South Central. |
| 132                | 4,150         | 835           | 6,090         | 3,120              | 752                | 3,228         | 2,184         | 70               | 11.20          | Texas.              |
| 177                | 4,807         | 1,764         | 2,970         | 1,304              | 1,323              | 1,723         | 848           | 65               | 10.73          | Oklahoma.           |
| 13,246             | 14,849        | 20,407        | 17,573        | 26,926             | 12,837             | 10,686        | 16,657        | 62               | 18.39          | Mountain.           |
| 1,244              | 2,600         | 3,276         | 2,600         | 6,435              | 2,359              | 2,304         | 3,861         | 60               | 19.80          | Montana.            |
| 345                | 725           | 1,122         | 1,386         | 2,124              | 684                | 859           | 1,296         | 61               | 21.97          | Wyoming.            |
| 2,693              | 6,540         | 8,610         | 6,060         | 10,032             | 4,994              | 3,344         | 5,618         | 56               | 12.32          | Colorado.           |
| 72                 | 90            | 85            | 208           | 144                | 72                 | 135           | 101           | 70               | 12.62          | New Mexico.         |
| 1,356              | 600           | 700           | 875           | 700                | 700                | 744           | 525           | 75               | 26.25          | Arizona.            |
| 1,044              | 399           | 774           | 800           | 1,410              | 658                | 576           | 1,072         | 76               | 35.73          | Utah.               |
| 480                | 237           | 384           | 280           | 405                | 315                | 238           | 324           | 80               | 36.00          | Nevada.             |
| 6,042              | 3,658         | 5,456         | 4,144         | 5,676              | 3,055              | 2,486         | 3,860         | 68               | 29.92          | Idaho.              |
| 49,333             | 19,768        | 28,812        | 36,872        | 32,956             | 23,829             | 21,668        | 29,750        | 90               | 24.03          | Pacific.            |
| 6,714              | 1,582         | 3,094         | 2,176         | 2,436              | 2,104              | 1,414         | 1,876         | 77               | 32.34          | Washington.         |
| 3,884              | 1,430         | 3,168         | 2,296         | 3,185              | 2,313              | 1,492         | 2,452         | 77               | 26.95          | Oregon.             |
| 38,735             | 16,754        | 32,550        | 32,400        | 27,335             | 24,412             | 18,792        | 25,422        | 93               | 25.58          | California.         |

No. 616.—RYE AND RICE: AREA, PRODUCTION,

| Division and State | Acres              |      |      |      |                    | Yield per acre     |      |      |      |                    |
|--------------------|--------------------|------|------|------|--------------------|--------------------|------|------|------|--------------------|
|                    | 1900-1909, average | 1904 | 1905 | 1906 | 1907 (preliminary) | 1900-1909, average | 1904 | 1905 | 1906 | 1907 (preliminary) |

## RYE

| United States  | Thousands<br>2, 107 | Thousands<br>4, 159 | Thousands<br>2, 974 | Thousands<br>2, 979 | Thousands<br>2, 970 | Bushels<br>12.1 | Bushels<br>12.3 | Bushels<br>11.7 | Bushels<br>11.4 | Bushels<br>12.0 |
|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Massachusetts  | 4                   |                     |                     |                     |                     | 17.2            |                 |                 |                 |                 |
| Connecticut    | 8                   | 1                   | 1                   |                     |                     | 18.8            | 18.0            | 12.0            |                 |                 |
| New York       | 145                 | 49                  | 37                  | 26                  | 31                  | 17.1            | 17.0            | 16.8            | 11.1            | 17.5            |
| New Jersey     | 78                  | 47                  | 44                  | 41                  | 36                  | 17.2            | 17.3            | 18.0            | 12.0            | 18.9            |
| Pennsylvania   | 237                 | 126                 | 113                 | 96                  | 78                  | 16.5            | 16.0            | 17.0            | 14.0            | 17.0            |
| Delaware       | 1                   | 4                   | 8                   | 4                   | 3                   | 14.5            | 12.5            | 15.0            | 15.0            | 15.0            |
| Maryland       | 25                  | 15                  | 13                  | 13                  | 14                  | 14.9            | 15.0            | 15.0            | 12.0            | 14.3            |
| Virginia       | 23                  | 36                  | 20                  | 43                  | 42                  | 14.4            | 11.5            | 12.0            | 12.5            | 11.5            |
| West Virginia  | 15                  | 10                  | 10                  | 12                  | 10                  | 12.8            | 11.2            | 12.0            | 12.0            | 12.0            |
| North Carolina | 26                  | 71                  | 20                  | 104                 | 94                  | 9.8             | 9.0             | 11.5            | 12.0            | 12.0            |
| South Carolina | 3                   | 7                   | 7                   | 5                   | 9                   | 10.0            | 11.0            | 10.5            | 14.0            | 12.0            |
| Georgia        | 12                  | 20                  | 20                  | 22                  | 26                  | 9.5             | 9.3             | 9.3             | 12.0            | 10.0            |
| Ohio           | 65                  | 55                  | 55                  | 50                  | 25                  | 10.2            | 10.0            | 15.0            | 17.5            | 16.0            |
| Indiana        | 70                  | 161                 | 145                 | 145                 | 119                 | 12.1            | 12.5            | 11.4            | 14.5            | 12.0            |
| Illinois       | 36                  | 100                 | 30                  | 39                  | 32                  | 10.9            | 14.5            | 12.6            | 15.0            | 14.5            |
| Michigan       | 370                 | 240                 | 214                 | 173                 | 178                 | 14.0            | 14.6            | 12.5            | 13.5            | 14.7            |
| Wisconsin      | 243                 | 222                 | 202                 | 256                 | 235                 | 17.0            | 17.0            | 14.5            | 15.0            | 17.0            |
| Minnesota      | 207                 | 600                 | 448                 | 440                 | 400                 | 19.2            | 22.0            | 12.0            | 12.5            | 12.2            |
| Iowa           | 42                  | 39                  | 32                  | 31                  | 31                  | 18.2            | 18.0            | 16.4            | 17.5            | 17.5            |
| Missouri       | 15                  | 20                  | 22                  | 24                  | 24                  | 14.5            | 12.5            | 12.0            | 12.0            | 11.0            |
| North Dakota   | 50                  | 1, 308              | 1, 367              | 1, 222              | 1, 381              | 15.2            | 15.0            | 10.0            | 7.6             | 14.7            |
| South Dakota   | 29                  | 245                 | 177                 | 103                 | 154                 | 15.4            | 14.0            | 9.5             | 5.2             | 12.0            |
| Nebraska       | 76                  |                     | 205                 | 253                 | 274                 | 15.2            | 14.5            | 12.3            | 10.3            | 15.0            |
| Kansas         | 34                  | 40                  | 42                  | 41                  | 45                  | 13.8            | 14.2            | 8.9             | 11.7            | 12.8            |
| Kentucky       | 16                  | 16                  | 15                  | 19                  | 14                  | 12.6            | 11.0            | 12.0            | 15.5            | 11.0            |
| Tennessee      | 14                  | 18                  | 20                  | 22                  | 26                  | 11.4            | 11.0            | 11.0            | 14.0            | 8.0             |
| Alabama        | 1                   |                     |                     |                     |                     | 11.2            |                 |                 |                 |                 |
| Texas          | 3                   | 17                  | 14                  | 20                  | 14                  | 12.9            | 16.0            | 4.0             | 12.0            | 7.0             |
| Oklahoma       | 4                   | 37                  | 22                  | 26                  | 22                  | 11.6            | 14.0            | 12.0            | 15.5            | 9.0             |
| Arkansas       | 1                   | 1                   | 1                   | 1                   | 1                   | 10.9            | 11.0            | 11.0            | 11.0            | 10.0            |
| Montana        | 9                   | 30                  | 30                  | 107                 | 134                 | 23.2            | 14.0            | 12.5            | 12.0            | 18.0            |
| Wyoming        | 2                   | 44                  | 37                  | 51                  | 51                  | 20.5            | 10.0            | 12.0            | 14.0            | 12.5            |
| Colorado       | 15                  | 74                  | 85                  | 90                  | 65                  | 16.9            | 9.0             | 10.0            | 11.5            | 10.5            |
| Utah           | 6                   | 5                   | 2                   | 4                   | 4                   | 17.6            | 6.6             | 11.0            | 9.0             | 10.0            |
| Idaho          | 3                   | 3                   | 3                   | 3                   | 3                   | 21.6            | 10.0            | 20.0            | 15.5            | 16.0            |
| Washington     | 7                   | 10                  | 15                  | 18                  | 22                  | 20.9            | 7.9             | 11.0            | 12.0            | 16.0            |
| Oregon         | 17                  | 9                   | 10                  | 10                  | 10                  | 17.0            | 10.0            | 14.0            | 13.0            | 16.0            |
| Other States   | 30                  | 2                   | 1                   | 1                   | 1                   |                 | 16.0            | 4.0             | 18.0            | 6.0             |

## RICE (ROUGH)

| United States  | 716 | 850 | 880 | 1, 034 | 969 | 33.2 | 28.2 | 37.5 | 40.4 | 40.7 |
|----------------|-----|-----|-----|--------|-----|------|------|------|------|------|
| South Carolina | 12  | 5   | 5   | 5      | 5   | 22.7 | 14.0 | 16.0 | 17.0 | 18.0 |
| Georgia        | 3   | 3   | 3   | 3      | 3   | 26.9 | 17.0 | 17.0 | 20.0 | 18.0 |
| Florida        | 1   |     |     |        |     | 24.2 |      |      |      |      |
| Mississippi    | 2   | 1   | 1   | 1      | 1   | 31.8 | 10.0 | 18.0 | 18.0 | 25.0 |
| Louisiana      | 363 | 440 | 430 | 501    | 481 | 32.4 | 34.5 | 33.3 | 32.5 | 36.0 |
| Texas          | 261 | 146 | 168 | 166    | 161 | 33.8 | 40.0 | 37.0 | 37.0 | 39.0 |
| Arkansas       | 71  | 164 | 175 | 199    | 176 | 34.5 | 42.0 | 43.0 | 53.0 | 42.5 |
| California     | 2   | 90  | 103 | 149    | 160 | 34.2 | 48.5 | 46.5 | 53.5 | 56.0 |
| Other States   | 1   | 1   | 4   | 10     | 3   |      | 50.0 | 75.0 | 61.0 | 25.0 |

Source: Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

| Production         |      |      |      |                    | Farm value, Dec. 1 |      |                  |                |  | Division and State |
|--------------------|------|------|------|--------------------|--------------------|------|------------------|----------------|--|--------------------|
| 1900-1912, average | 1914 | 1915 | 1916 | 1917 (preliminary) | Amount             |      | Per bushel, 1917 | Per acre, 1917 |  |                    |
|                    |      |      |      |                    | 1915               | 1916 |                  |                |  |                    |
|                    |      |      |      |                    |                    |      |                  |                |  |                    |

RYE

| 1,000 bushels<br>38,083 | 1,000 bushels<br>65,486 | 1,000 bushels<br>46,456 | 1,000 bushels<br>40,796 | 1,000 bushels<br>58,873 | 1,000 dollars<br>38,340 | 1,000 dollars<br>34,084 | 1,000 dollars<br>49,945 | Cents<br>85 | Dollars<br>13.61 | United States.  |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------|------------------|-----------------|
| 55                      | 18                      | 19                      |                         |                         | 25                      |                         |                         |             |                  | Massachusetts   |
| 143                     |                         |                         |                         |                         |                         |                         |                         |             |                  | Connecticut.    |
| 2,249                   | 680                     | 610                     | 388                     | 368                     | 610                     | 388                     | 386                     | 105         | 18.38            | New York.       |
| 1,232                   | 822                     | 792                     | 779                     | 720                     | 737                     | 740                     | 698                     | 97          | 19.39            | New Jersey      |
| 4,641                   | 2,000                   | 1,921                   | 1,488                   | 1,326                   | 2,017                   | 1,443                   | 1,392                   | 105         | 17.85            | Pennsylvania.   |
| 15                      | 54                      | 75                      | 60                      | 45                      | 90                      | 66                      | 52                      | 115         | 17.33            | Delaware        |
| 415                     | 225                     | 342                     | 270                     | 214                     | 290                     | 284                     | 235                     | 110         | 16.79            | Maryland.       |
| 626                     | 414                     | 432                     | 540                     | 496                     | 549                     | 650                     | 570                     | 115         | 13.57            | Virginia        |
| 215                     | 112                     | 130                     | 156                     | 130                     | 156                     | 172                     | 143                     | 110         | 14.30            | West Virginia   |
| 463                     | 639                     | 920                     | 1,352                   | 1,128                   | 1,444                   | 1,690                   | 1,523                   | 135         | 16.20            | North Carolina. |
| 30                      | 77                      | 71                      | 112                     | 117                     | 155                     | 196                     | 205                     | 175         | 22.78            | South Carolina. |
| 14                      | 184                     | 186                     | 264                     | 260                     | 335                     | 422                     | 429                     | 166         | 16.50            | Georgia         |
| 1,161                   | 880                     | 825                     | 875                     | 560                     | 726                     | 770                     | 515                     | 92          | 14.71            | Ohio            |
| 1,226                   | 2,174                   | 1,653                   | 2,102                   | 1,618                   | 1,405                   | 1,787                   | 1,424                   | 88          | 11.97            | Indiana.        |
| 902                     | 1,450                   | 1,104                   | 1,245                   | 999                     | 994                     | 1,071                   | 827                     | 92          | 13.34            | Illinois.       |
| 5,801                   | 3,460                   | 2,700                   | 2,336                   | 2,617                   | 2,106                   | 1,822                   | 2,329                   | 89          | 13.08            | Michigan        |
| 6,135                   | 5,644                   | 3,789                   | 3,840                   | 4,046                   | 2,880                   | 3,226                   | 3,641                   | 90          | 15.30            | Wisconsin       |
| 5,127                   | 14,718                  | 5,824                   | 5,940                   | 7,485                   | 4,135                   | 4,514                   | 6,362                   | 85          | 15.56            | Minnesota.      |
| 739                     | 702                     | 525                     | 542                     | 542                     | 420                     | 444                     | 466                     | 86          | 15.03            | Iowa            |
| 252                     | 270                     | 264                     | 310                     | 364                     | 317                     | 350                     | 290                     | 110         | 12.08            | Missouri.       |
| 860                     | 20,520                  | 16,870                  | 9,287                   | 23,063                  | 10,316                  | 6,780                   | 18,450                  | 80          | 13.36            | North Dakota.   |
| 314                     | 3,430                   | 1,682                   | 639                     | 2,772                   | 1,127                   | 466                     | 2,190                   | 79          | 14.22            | South Dakota.   |
| 1,056                   | 2,740                   | 2,522                   | 2,606                   | 4,110                   | 1,791                   | 1,981                   | 3,165                   | 77          | 11.55            | Nebraska.       |
| 365                     | 568                     | 383                     | 480                     | 576                     | 375                     | 451                     | 530                     | 92          | 11.78            | Kansas.         |
| 296                     | 176                     | 195                     | 279                     | 154                     | 244                     | 301                     | 185                     | 120         | 13.21            | Kentucky.       |
| 223                     | 198                     | 220                     | 448                     | 208                     | 266                     | 538                     | 268                     | 129         | 10.31            | Tennessee.      |
| 11                      |                         |                         |                         |                         |                         |                         |                         |             |                  | Alabama.        |
| 21                      | 272                     | 56                      | 380                     | 98                      | 67                      | 360                     | 93                      | 95          | 6.64             | Texas           |
| 49                      | 518                     | 396                     | 558                     | 198                     | 436                     | 502                     | 196                     | 99          | 8.91             | Oklahoma.       |
| 11                      | 11                      | 11                      | 11                      | 10                      | 14                      | 14                      | 14                      | 140         | 14.00            | Arkansas.       |
| 153                     | 1,120                   | 1,000                   | 1,284                   | 2,412                   | 740                     | 963                     | 1,761                   | 73          | 13.14            | Montana         |
| 19                      | 440                     | 684                     | 714                     | 638                     | 438                     | 478                     | 440                     | 69          | 8.63             | Wyoming.        |
| 342                     | 606                     | 850                     | 1,024                   | 892                     | 570                     | 727                     | 624                     | 70          | 7.34             | Colorado        |
| 115                     | 33                      | 33                      | 36                      | 40                      | 33                      | 29                      | 33                      | 82          | 8.25             | Utah            |
| 65                      | 30                      | 60                      | 46                      | 48                      | 48                      | 34                      | 36                      | 75          | 12.00            | Idaho.          |
| 150                     | 79                      | 165                     | 216                     | 352                     | 206                     | 216                     | 317                     | 90          | 14.41            | Washington.     |
| 300                     | 90                      | 140                     | 130                     | 100                     | 154                     | 125                     | 152                     | 96          | 15.20            | Oregon.         |
| 142                     | 32                      | 4                       | 18                      | 6                       | 4                       | 15                      | 4                       | 75          | 4.00             | Other States.   |

RICE (ROUGH)

| 12,770 | 22,486 | 32,308 | 41,730 | 46,331 | 51,432 | 45,793 | 57,756 | 94  | 28.15 | United States.  |
|--------|--------|--------|--------|--------|--------|--------|--------|-----|-------|-----------------|
| 294    | 70     | 80     | 86     | 90     | 100    | 102    | 117    | 130 |       | South Carolina. |
| 65     | 51     | 51     | 60     | 48     | 74     | 66     | 58     | 120 | 19.33 | Georgia.        |
| 15     |        |        |        |        |        |        |        |     |       | Florida         |
| 58     | 10     | 18     | 18     | 25     | 20     | 22     | 22     | 90  | 22.00 | Mississippi.    |
| 11,754 | 15,224 | 14,319 | 16,282 | 17,316 | 21,908 | 17,096 | 15,065 | 87  | 31.32 | Louisiana.      |
| 8,823  | 5,840  | 6,216  | 6,142  | 6,279  | 9,262  | 6,756  | 6,400  | 86  | 33.54 | Texas           |
| 2,692  | 6,888  | 7,525  | 10,547 | 7,438  | 11,288 | 10,547 | 6,094  | 90  | 28.25 | Arkansas.       |
| 74     | 4,345  | 4,900  | 7,986  | 8,990  | 8,160  | 10,462 | 10,304 | 115 | 64.40 | California.     |
| 25     | 50     | 300    | 610    | 75     | 420    | 671    | 68     | 90  | 22.67 | Other States.   |

## No. 617.—POTATOES: AREA, PRODUCTION,

| Division and State        | Acres              |                 |                 |                 |                    | Yield per acre     |             |             |             |                    |
|---------------------------|--------------------|-----------------|-----------------|-----------------|--------------------|--------------------|-------------|-------------|-------------|--------------------|
|                           | 1900-1912, average | 1905            | 1906            | 1907            | 1907 (preliminary) | 1900-1912, average | 1905        | 1906        | 1907        | 1907 (preliminary) |
|                           | Thousands 2,677    | Thousands 2,337 | Thousands 2,000 | Thousands 1,122 | Thousands 2,506    | Bushels 97         | Bushels 127 | Bushels 106 | Bushels 114 | Bushels 113        |
| <b>United States</b>      |                    |                 |                 |                 |                    |                    |             |             |             |                    |
| <b>New England</b>        | 230                | 306             | 186             | 186             | 208                | 175                | 200         | 214         | 247         | 198                |
| Maine                     | 126                | 143             | 123             | 127             | 143                | 200                | 313         | 250         | 245         | 228                |
| New Hampshire             | 17                 | 11              | 11              | 11              | 12                 | 123                | 170         | 145         | 165         | 150                |
| Vermont                   | 26                 | 20              | 19              | 20              | 21                 | 131                | 180         | 123         | 133         | 136                |
| Massachusetts             | 25                 | 14              | 14              | 13              | 14                 | 110                | 150         | 140         | 135         | 140                |
| Rhode Island              | 5                  | 2               | 2               | 3               | 2                  | 123                | 140         | 140         | 130         | 130                |
| Connecticut               | 26                 | 15              | 15              | 14              | 15                 | 106                | 130         | 125         | 123         | 109                |
| <b>Middle Atlantic</b>    | 731                | 675             | 597             | 496             | 547                | 91                 | 103         | 108         | 102         | 117                |
| New York                  | 373                | 300             | 270             | 243             | 270                | 95                 | 140         | 95          | 117         | 104                |
| New Jersey                | 86                 | 65              | 55              | 50              | 57                 | 94                 | 130         | 105         | 143         | 131                |
| Pennsylvania              | 267                | 210             | 262             | 193             | 220                | 84                 | 118         | 123         | 112         | 120                |
| <b>South Atlantic</b>     | 246                | 249             | 243             | 245             | 279                | 83                 | 100         | 90          | 94          | 100                |
| Delaware                  | 11                 | 7               | 6               | 6               | 8                  | 80                 | 90          | 64          | 86          | 110                |
| Maryland                  | 49                 | 20              | 37              | 30              | 43                 | 84                 | 83          | 73          | 90          | 123                |
| Virginia                  | 96                 | 140             | 120             | 124             | 120                | 83                 | 121         | 80          | 94          | 112                |
| West Virginia             | 45                 | 43              | 47              | 47              | 53                 | 86                 | 95          | 87          | 103         | 113                |
| North Carolina            | 31                 | 30              | 36              | 37              | 72                 | 75                 | 106         | 78          | 94          | 102                |
| South Carolina            | 10                 | 20              | 25              | 20              | 26                 | 82                 | 111         | 90          | 111         | 108                |
| Georgia                   | 13                 | 20              | 17              | 19              | 17                 | 79                 | 73          | 40          | 63          | 73                 |
| Florida                   | 10                 | 20              | 20              | 24              | 20                 | 80                 | 85          | 124         | 118         | 103                |
| <b>East North Central</b> | 1,044              | 740             | 683             | 686             | 702                | 94                 | 120         | 100         | 100         | 90                 |
| Ohio                      | 192                | 106             | 113             | 107             | 116                | 82                 | 88          | 108         | 94          | 105                |
| Indiana                   | 80                 | 52              | 50              | 48              | 53                 | 81                 | 99          | 65          | 80          | 93                 |
| Illinois                  | 187                | 80              | 72              | 61              | 64                 | 73                 | 110         | 60          | 80          | 84                 |
| Michigan                  | 350                | 200             | 227             | 249             | 230                | 101                | 130         | 103         | 120         | 80                 |
| Wisconsin                 | 288                | 242             | 211             | 230             | 200                | 106                | 130         | 112         | 115         | 92                 |
| <b>West North Central</b> | 500                | 644             | 736             | 713             | 568                | 93                 | 111         | 78          | 87          | 100                |
| Minnesota                 | 238                | 340             | 276             | 298             | 328                | 107                | 132         | 97          | 100         | 101                |
| Iowa                      | 168                | 70              | 63              | 74              | ■                  | 78                 | 130         | 63          | 79          | 82                 |
| Missouri                  | 94                 | 85              | 75              | 81              | 85                 | 64                 | 98          | 57          | 80          | 83                 |
| North Dakota              | 50                 | 126             | 104             | 94              | 113                | 97                 | 90          | 72          | 80          | 102                |
| South Dakota              | 57                 | 70              | 61              | 55              | 60                 | 76                 | 82          | 65          | 60          | 115                |
| Nebraska                  | 116                | 80              | 84              | 73              | 84                 | 64                 | 87          | 75          | 73          | 106                |
| Kansas                    | 77                 | 64              | 54              | 43              | 49                 | 50                 | 95          | 67          | 91          | 110                |
| <b>South Central</b>      | 117                | 123             | 110             | 103             | 130                | 76                 | 90          | ■           | 83          | 83                 |
| Kentucky                  | 53                 | 48              | 46              | 47              | 52                 | 75                 | 100         | 80          | 96          | 91                 |
| Tennessee                 | 39                 | 35              | 37              | 35              | 30                 | 70                 | 80          | 56          | 73          | 83                 |
| Alabama                   | 15                 | 28              | 25              | 29              | 33                 | 81                 | 90          | 57          | ■           | 76                 |
| Mississippi               | 10                 | 12              | 11              | 12              | 12                 | 85                 | 81          | 67          | 71          | 73                 |
| <b>West South Central</b> | 127                | 111             | 123             | 141             | 130                | 61                 | 70          | 63          | 84          | 86                 |
| Louisiana                 | 22                 | 28              | 30              | 36              | 41                 | 68                 | 68          | 60          | 61          | 66                 |
| Texas                     | 47                 | 25              | 23              | 30              | 35                 | 55                 | 67          | 53          | 70          | 66                 |
| Oklahoma                  | 31                 | 32              | 30              | 43              | 45                 | 34                 | 70          | 72          | 67          | 66                 |
| Arkansas                  | 27                 | 26              | 28              | 32              | 29                 | 70                 | 74          | 60          | 80          | 68                 |
| <b>Mountain</b>           | 169                | 223             | 224             | 201             | 319                | 120                | 136         | 108         | ■           | 104                |
| Montana                   | 29                 | 34              | 35              | 35              | 40                 | 151                | 88          | 108         | 85          | 123                |
| Wyoming                   | 10                 | 13              | 12              | 13              | 17                 | 116                | 95          | 120         | 112         | 142                |
| Colorado                  | 65                 | 88              | 80              | 84              | 112                | 101                | 140         | 183         | ■           | 142                |
| New Mexico                | 9                  | 2               | 2               | 2               | 2                  | 76                 | 59          | 75          | 83          | 75                 |
| Arizona                   | 1                  | 3               | 3               | 4               | 4                  | 95                 | 54          | 57          | 56          | 80                 |
| Utah                      | 16                 | 14              | 15              | 17              | 22                 | 165                | 137         | 160         | 145         | 123                |
| Nevada                    | 8                  | 4               | 4               | 5               | 6                  | 166                | 121         | 170         | 140         | ■                  |
| Idaho                     | 31                 | 60              | 73              | 91              | 115                | 175                | 170         | 195         | 178         | 212                |
| <b>Pacific</b>            | 130                | 137             | 130             | 135             | 163                | 130                | 136         | 148         | 143         | 131                |
| Washington                | 60                 | 31              | 50              | 67              | 79                 | 150                | 150         | 155         | 160         | 170                |
| Oregon                    | 40                 | 40              | 40              | 45              | 52                 | 137                | 96          | 104         | 100         | 120                |
| California                | 1                  | 46              | 43              | 43              | 32                 | 129                | 162         | 180         | 161         | 153                |

Source Bureau of Agricultural Economics, Department of Agriculture.

AND FARM VALUE, BY STATES

| Production         |               |               |               |                    | Farm value, Dec. 1 |               |                    |                  |                | Division and State |
|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|--------------------|------------------|----------------|--------------------|
| 1900-1912, average | 1924          | 1925          | 1926          | 1927 (preliminary) | Amount             |               |                    | Per bushel, 1927 | Per acre, 1927 |                    |
|                    |               |               |               |                    |                    | 1926          | 1927 (preliminary) |                  |                |                    |
|                    |               |               |               |                    |                    |               |                    |                  |                |                    |
| 1,000 bushels      | 1,000 bushels | 1,000 bushels | 1,000 bushels | 1,000 bushels      | 1,000 dollars      | 1,000 dollars | 1,000 dollars      | Cents            | Dollars        | U. S.              |
| 367,696            | 421,585       | 323,465       | 354,328       | 409,146            |                    | 501,917       | 387,970            | 96               | 110.06         |                    |
| 28,196             | 54,443        | 41,946        | 40,350        | 40,409             | 54,904             | 64,753        | 39,079             | 97               | 189.69         | New Eng.           |
| 26,485             | 45,045        | 33,750        | 36,830        | 32,092             | 67,500             | 48,984        | 27,278             | 85               | 192.10         | Me.                |
| 2,268              | 1,870         | 1,595         | 1,815         | 1,800              | 3,748              | 3,066         |                    | 140              | 210.00         | N. H.              |
| 3,422              | 3,200         | 2,375         | 3,100         | 3,255              | 5,106              | 4,340         | 4,069              | 125              | 193.76         | Vt.                |
| 2,933              | 2,100         | 1,960         | 2,015         | 1,400              | 4,802              | 3,627         | 2,170              | 155              | 155.00         | Mass.              |
| 614                | 280           | 280           | 450           | 220                | 686                | 810           | 341                | 155              | 170.50         | R. I.              |
| 2,476              | 1,950         | 2,025         | 2,170         | 1,635              | 5,062              | 3,906         | 2,096              | 165              | 179.87         | Conn.              |
| 96,587             | 78,590        | 55,896        | 58,443        | 64,197             | 111,533            | 96,363        | 77,560             | 131              | 141.77         | Mid. Atl.          |
| 36,024             | 42,000        | 23,220        | 29,016        | 28,620             | 49,923             | 46,426        | 35,775             | 125              | 132.50         | N. Y.              |
| 8,141              | 9,750         | 5,830         | 7,250         | 9,177              | 13,400             | 11,238        |                    | 110              | 177.11         | N. J.              |
| 22,392             | 24,780        | 24,846        | 22,176        | 26,400             | 48,201             | 37,699        | 31,680             |                  | 144.00         | Pa.                |
| 21,216             | 29,999        | 22,483        | 24,237        | 46,297             |                    | 58,638        | 45,761             | 137              | 169.31         | S. Atl.            |
| 962                | 630           | 384           | 516           | 714                | 768                | 722           | 571                | 80               | 95.17          | Del.               |
| 3,326              | 3,237         | 2,701         | 3,510         | 5,246              | 5,240              | 4,914         | 5,508              | 105              | 128.09         | Md.                |
| 7,984              | 18,340        | 11,700        | 11,656        | 19,780             | 22,815             | 16,318        | 25,688             | 130              | 197.60         | Va.                |
| 3,916              | 4,275         | 4,090         | 4,062         | 5,960              | 7,892              | 8,320         | 7,486              | 125              | 141.25         | W. Va.             |
| 2,349              | 6,195         | 4,524         | 6,325         | 7,368              | 8,143              | 10,120        | 11,062             | 150              | 153.50         | N. C.              |
| 813                | 2,330         | 2,400         | 3,219         | 3,084              | 5,040              | 3,472         | 5,765              | 190              | 198.79         | S. C.              |
| 946                | 1,440         | 833           | 1,197         | 1,241              | 1,749              | 2,274         | 2,048              | 165              | 120.47         | Ga.                |
| 918                | 2,552         | 2,852         | 2,832         | 3,045              | 7,415              | 8,496         | 5,633              |                  | 194.24         | Fla.               |
| 99,847             | 82,718        | 68,481        | 73,796        | 69,661             |                    |               | 67,476             | 97               |                | E. N. Cen.         |
| 16,090             | 9,504         | 11,978        | 10,058        | 12,180             | 22,956             | 17,099        | 14,616             | 120              | 126.00         | Ohio.              |
| 7,322              | 5,148         | 4,150         | 3,840         | 5,035              | 8,904              | 6,336         | 5,538              | 110              | 104.49         | Ind.               |
| 9,999              | 8,900         | 4,320         | 4,880         | 5,376              | 10,152             | 8,540         | 6,182              | 115              | 96.50          | Ill.               |
| 35,289             | 33,800        | 24,411        | 29,880        | 23,120             | 39,546             | 35,856        | 30,808             | 90               | 72.00          | Mich.              |
| 31,147             | 31,460        | 23,632        | 27,140        | 23,920             | 40,174             | 32,568        |                    | 85               |                | Wis.               |
| 45,908             | 93,617        | 57,704        | 62,168        | 78,966             | 101,475            | 64,673        | 66,361             | 70               | 70.22          | W. N. Cen.         |
| 25,676             | 44,880        | 26,772        | 29,800        | 33,128             | 41,229             | 34,270        | 19,977             | 60               | 60.60          | Minn.              |
| 13,311             | 10,744        | 5,229         | 5,846         | 6,396              | 12,288             | 9,938         | 6,306              | 100              | 62.00          | Iowa.              |
| 6,107              | 8,330         | 4,332         | 6,480         | 7,056              | 9,747              | 11,016        | 8,112              | 115              | 95.45          | Mo.                |
| 4,876              | 11,260        | 7,488         | 7,520         | 11,526             | 11,332             | 9,024         | 5,763              |                  | 51.00          | N. Dak.            |
| 4,328              | 5,740         | 3,965         | 3,300         | 7,580              | 7,137              | 5,247         | 4,174              | 55               | 63.34          | S. Dak.            |
| 7,339              | 7,743         | 6,300         | 5,329         | 8,904              | 11,340             | 8,526         | 6,678              | 75               | 79.50          | Nebr.              |
| 4,267              | 5,130         | 3,618         | 3,913         | 5,390              | 6,502              | 6,632         | 5,390              | 100              | 110.00         | Kans.              |
| 8,782              | 11,098        | 6,994         | 10,124        | 11,575             | 14,166             | 16,671        | 16,641             | 139              | 117.66         | S. Cen.            |
| 4,005              | 4,900         | 2,760         | 4,512         | 4,732              | 5,520              |               | 6,162              |                  | 118.31         | Ky.                |
| 2,722              | 2,800         | 2,072         | 2,730         | 2,432              | 4,040              | 4,286         | 4,633              | 135              | 118.79         | Tenn.              |
| 1,243              | 2,520         | 1,425         | 2,030         | 2,475              | 3,135              | 3,857         | 3,712              | 150              | 112.48         | Ala.               |
| 812                | 972           | 737           | 852           | 936                | 1,474              | 1,624         | 1,544              | 165              | 128.67         | Miss.              |
| 7,717              | 7,743         | 7,696         | 9,078         | 9,973              | 16,933             | 16,786        | 16,433             | 166              | 109.65         | W. S. Cen.         |
| 1,521              | 1,904         | 1,800         | 2,196         | 2,665              | 3,780              | 4,172         | 4,397              | 111              | 107.24         | La.                |
| 2,604              | 1,675         | 1,378         | 2,100         | 2,310              | 3,307              | 4,200         | 3,612              | 165              | 108.91         | Tex.               |
| 1,672              | 2,240         | 2,808         | 2,860         | 2,926              | 5,818              | 4,802         | 5,365              |                  | 117.00         | Okla.              |
| 1,920              | 1,924         | 1,680         | 1,920         | 1,972              | 3,528              | 3,552         | 2,958              | 150              |                | Ark.               |
| 94,376             | 30,306        | 37,569        | 23,940        | 52,400             | 66,986             | 41,914        | 30,667             | 59               | 96.73          | Mountain           |
| 4,323              | 2,992         | 2,780         | 2,975         | 5,400              | 6,048              | 3,570         | 3,510              | 65               | 67.75          | Mont.              |
| 1,164              | 1,235         | 1,440         | 1,456         | 2,414              | 2,304              | 1,830         | 1,690              | 70               | 99.41          | Wyo.               |
| 4,567              | 12,320        | 14,640        | 11,780        | 16,046             | 22,692             | 15,288        | 8,825              | 55               |                | Colo.              |
| 687                | 104           | 150           | 166           | 150                | 200                | 290           | 180                | 120              | 90.00          | N. Mex.            |
| 95                 | 162           | 171           | 220           |                    | 203                | 440           | 362                | 110              | 86.00          | Ariz.              |
| 2,745              | 1,918         | 2,400         | 2,465         | 2,970              | 3,192              | 2,588         | 2,228              | 75               | 101.27         | Utah.              |
| 1,395              | 524           | 680           | 700           | 780                | 1,292              | 910           | 663                | 85               | 110.50         | Nev.               |
| 5,410              | 11,060        | 14,306        | 16,106        | 24,380             | 20,747             | 17,008        | 13,409             | 53               | 116.60         | Idaho.             |
| 23,186             | 18,943        | 19,677        | 22,143        | 27,696             | 34,336             | 23,823        | 20,396             |                  | 116.90         | Pacific            |
| 2,074              | 7,660         | 8,680         | 10,720        | 13,430             | 14,322             | 10,184        | 8,068              | 60               | 102.00         | Wash.              |
| 6,851              | 3,840         | 4,160         | 4,500         | 6,260              | 6,340              | 4,500         |                    | 75               | 90.00          | Oreg.              |
| 2,178              | 7,452         | 6,837         | 6,833         | 7,956              | 13,674             | 9,138         | 7,556              | 96               | 145.35         | Calif.             |



## SWEET POTATO AND TOBACCO CROPS

No. 618.—SWEET POTATOES AND TOBACCO: AREA

| State | Acres              |      |      |      |                    | Yield per acre     |      |      |      |                    |
|-------|--------------------|------|------|------|--------------------|--------------------|------|------|------|--------------------|
|       | 1909-1912, average | 1924 | 1925 | 1926 | 1927 (preliminary) | 1909-1912, average | 1924 | 1925 | 1926 | 1927 (preliminary) |

## SWEET POTATOES

| United States  | Thousands<br>619 | Thousands<br>668 | Thousands<br>779 | Thousands<br>819 | Thousands<br>819 | Bushels<br>98 | Bushels<br>78 | Bushels<br>80 | Bushels<br>101 | Bushels<br>101 |
|----------------|------------------|------------------|------------------|------------------|------------------|---------------|---------------|---------------|----------------|----------------|
| New Jersey     | 23               | 15               | 16               | 17               | 15               | 120           | 140           | 117           | 145            | 128            |
| Pennsylvania   | 1                | 1                | 1                |                  |                  | 109           | 117           | 115           |                |                |
| Delaware       | 5                | 7                | 8                | 9                | 8                | 127           | 130           | 110           | 132            | 110            |
| Maryland       | 8                | 18               | 9                | 11               | 11               | 121           | 140           | 129           | 165            | 144            |
| Virginia       | 36               | 35               | 37               | 43               | 43               | 198           | 120           | 108           | 125            | 135            |
| West Virginia  | 2                | 3                | 3                | 3                | 3                | 108           | 110           | 92            | 110            | 110            |
| North Carolina | 80               | 80               | 80               | 84               | 89               | 96            | 92            | 88            | 90             | 110            |
| South Carolina | 49               | 50               | 52               | 47               | 53               | 93            | 68            | 55            | 80             | 100            |
| Georgia        | 83               | 100              | 110              | 110              | 132              | 87            | 70            | 47            | 55             | 80             |
| Florida        | 21               | 25               | 29               | 28               | 29               | 109           | 84            | 85            | 100            | 92             |
| Ohio           | 1                | 3                | 3                | 3                | 3                | 105           | 98            | 115           | 105            | 133            |
| Indiana        | 1                | 2                | 2                | 3                | 3                | 103           | 115           | 108           | 110            | 112            |
| Illinois       | 9                | 8                | 12               | 13               | 10               | 96            | 108           | 88            | 110            | 108            |
| Iowa           | 2                | 3                | 3                | 3                | 3                | 97            | 80            | 100           | 100            | 90             |
| Missouri       | 7                | 9                | 10               | 10               | 12               | 85            | 100           | 95            | 117            | 112            |
| Kansas         | 5                | 3                | 3                | 4                | 3                | 84            | 113           | 116           | 129            | 136            |
| Kentucky       | 10               | 12               | 14               | 17               | 16               | 87            | 80            | 90            | 120            | 93             |
| Tennessee      | 23               | 30               | 36               | 50               | 48               | 85            | 95            | 90            | 123            | 99             |
| Alabama        | 67               | 80               | 65               | 65               | 75               | 91            | 73            | 70            | 100            | 98             |
| Mississippi    | 55               | 50               | 62               | 55               | 60               | 91            | 51            | 90            | 104            | 112            |
| Louisiana      | 50               | 60               | 72               | 79               | 99               | 88            | 50            | 50            | 90             | 99             |
| Texas          | 42               | 70               | 84               | 92               | 133              | 66            | 57            | 73            | 93             | 90             |
| Oklahoma       | 5                | 18               | 20               | 24               | 23               | 74            | 87            | 94            | 105            | 108            |
| Arkansas       | 20               | 27               | 36               | 34               | 38               | 85            | 81            | 85            | 108            | 116            |
| California     | 5                | 8                | 9                | 12               | 12               | 157           | 94            | 112           | 97             | 90             |
| Other States   |                  | 3                | 3                | 3                | 3                |               | 123           | 133           | 145            | 111            |

## TOBACCO

| United States  | Thousands<br>1,533 | Thousands<br>1,706 | Thousands<br>1,767 | Thousands<br>1,656 | Thousands<br>1,619 | Pounds<br>817 | Pounds<br>734 | Pounds<br>783 | Pounds<br>764 | Pounds<br>769 |
|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|---------------|---------------|
| Massachusetts  | 6                  | 9                  | 8                  | 6                  | 7                  | 1,646         | 1,340         | 1,243         | 1,448         | 1,223         |
| Connecticut    | 17                 | 20                 | 30                 | 22                 | 24                 | 1,651         | 1,370         | 1,353         | 1,340         | 1,234         |
| New York       | 4                  | 2                  | 2                  | 1                  | 1                  | 1,215         | 1,175         | 1,100         | 1,100         | 1,200         |
| Pennsylvania   | 43                 | 46                 | 41                 | 33                 | 33                 | 1,311         | 1,260         | 1,400         | 1,320         | 1,360         |
| Maryland       | 27                 | 32                 | 30                 | 31                 | 32                 | 707           | 765           | 828           | 840           | 818           |
| Virginia       | 185                | 210                | 200                | 189                | 178                | 745           | 650           | 647           | 725           | 730           |
| West Virginia  | 18                 | 8                  | 9                  | 10                 | 8                  | 741           | 775           | 775           | 850           | 800           |
| North Carolina | 198                | 497                | 547                | 585                | 650                | 640           | 577           | 603           | 611           | 720           |
| South Carolina | 30                 | 94                 | 96                 | 85                 | 104                | 740           | 455           | 740           | 668           | 730           |
| Georgia        | 2                  | 40                 | 67                 | 53                 | 81                 | 823           | 777           | 720           | 770           | 725           |
| Florida        | 3                  | 6                  | 7                  | 6                  | 9                  | 834           | 750           | 832           | 908           | 985           |
| Ohio           | 94                 | 58                 | 52                 | 44                 | 29                 | 806           | 705           | 974           | 846           | 828           |
| Indiana        | 22                 | 21                 | 21                 | 15                 | 8                  | 868           | 803           | 871           | 884           | 769           |
| Wisconsin      | 40                 | 38                 | 32                 | 29                 | 31                 | 1,190         | 940           | 1,375         | 1,150         | 1,030         |
| Missouri       | 6                  | 5                  | 5                  | 5                  | 4                  | 877           | 852           | 815           | 950           | 1,100         |
| Kentucky       | 430                | 485                | 479                | 426                | 319                | 813           | 839           | 810           | 942           | 769           |
| Tennessee      | 95                 | 125                | 130                | 126                | 91                 | 786           | 793           | 726           | 781           | 765           |
| Louisiana      | 3                  | 1                  | 1                  | 1                  | 1                  |               | 400           | 504           | 400           | 480           |

Source: Bureau of Agricultural Economics, Department of Agriculture.

## PRODUCTION, AND FARM VALUE, BY STATES

| Production            |      |      |      |                       | Farm value, Dec. 1 |      |                 |                       | State |                   |
|-----------------------|------|------|------|-----------------------|--------------------|------|-----------------|-----------------------|-------|-------------------|
| 1909-1913,<br>average | 1904 | 1905 | 1906 | 1907<br>(preliminary) | Amount             |      |                 | Per bush-<br>el, 1907 |       | Per acre,<br>1907 |
|                       |      |      |      |                       | 1905               | 1906 | 1907<br>(prel.) |                       |       |                   |

## SWEET POTATOES

| 1,000 bushels<br>57,353 | 1,000 bushels<br>53,912 | 1,000 bushels<br>62,319 | 1,000 bushels<br>92,703 | 1,000 bushels<br>93,928 | 1,000 dollars<br>85,034 | 1,000 dollars<br>78,956 | 1,000 dollars<br>77,520 | Cents<br>83 | Dollars<br>63.97 | U. S.        |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------|------------------|--------------|
| 2,993<br>109            | 2,100<br>117            | 1,872<br>115            | 2,465                   | 1,890                   | 4,493<br>242            | 2,958                   | 2,268                   | 120         | 151.20           | N. J.<br>Pa. |
| 635                     | 910                     | 880                     | 1,251                   | 880                     | 1,672                   | 813                     | 616                     | 70          | 77.00            | Del.         |
| 970                     | 1,120                   | 1,161                   | 1,815                   | 1,584                   | 1,974                   | 1,361                   | 1,109                   | 70          | 100.82           | Md.          |
| 3,497                   | 4,200                   | 3,996                   | 5,375                   | 5,905                   | 5,193                   | 5,373                   | 4,934                   | 85          | 114.74           | Va.          |
| 207                     | 330                     | 276                     | 330                     | 330                     | 552                     | 528                     | 462                     | 140         | 154.00           | W. Va.       |
| 7,702                   | 7,380                   | 7,040                   | 7,560                   | 10,146                  | 8,448                   | 7,560                   | 8,117                   | 80          | 91.20            | N. C.        |
| 4,594                   | 3,400                   | 2,860                   | 3,760                   | 5,300                   | 4,304                   | 3,760                   | 4,240                   | 80          | 80.00            | S. C.        |
| 7,306                   | 7,000                   | 5,170                   | 9,400                   | 10,500                  | 6,462                   | 7,568                   | 7,920                   | 75          | 60.00            | Ga.          |
| 2,323                   | 2,100                   | 2,465                   | 2,800                   | 2,668                   | 3,451                   | 3,500                   | 2,268                   | 85          | 78.21            | Fla.         |
| 106                     | 283                     | 345                     | 315                     | 309                     | 734                     | 472                     | 550                     | 140         | 186.33           | Ohio.        |
| 103                     | 230                     | 216                     | 330                     | 224                     | 410                     | 478                     | 302                     | 135         | 151.00           | Ind.         |
| 51                      | 864                     | 1,056                   | 1,430                   | 1,030                   | 2,006                   | 1,900                   | 1,184                   | 115         | 118.40           | Ill.         |
| 193                     | 240                     | 327                     | 309                     | 270                     | 752                     | 618                     | 405                     | 150         | 134.00           | Iowa.        |
| 607                     | 900                     | 950                     | 1,120                   | 1,344                   | 1,568                   | 1,456                   | 1,613                   | 120         | 134.42           | Mo.          |
| 421                     | 339                     | 348                     | 516                     | 408                     | 592                     | 697                     | 449                     | 110         | 149.67           | Kans.        |
| 870                     | 960                     | 1,260                   | 2,040                   | 1,488                   | 1,928                   | 2,203                   | 1,786                   | 120         | 111.62           | Ky.          |
| 1,848                   | 2,830                   | 3,240                   | 6,160                   | 4,704                   | 4,536                   | 4,305                   | 3,998                   | 85          | 83.29            | Tenn.        |
| 6,023                   | 4,380                   | 4,550                   | 6,500                   | 7,350                   | 5,693                   | 5,525                   | 6,248                   | 85          | 83.31            | Ala.         |
| 5,028                   | 2,550                   | 5,952                   | 5,720                   | 7,728                   | 5,952                   | 5,434                   | 6,182                   | 80          | 60.50            | Miss.        |
| 5,237                   | 3,000                   | 5,780                   | 7,110                   | 9,702                   | 6,624                   | 6,399                   | 6,791                   | 70          | 68.80            | La.          |
| 2,798                   | 3,990                   | 6,132                   | 8,568                   | 11,970                  | 8,707                   | 6,128                   | 6,978                   | 75          | 67.50            | Tex.         |
| 370                     | 1,566                   | 1,880                   | 2,520                   | 2,438                   | 2,538                   | 2,520                   | 1,950                   | 80          | 84.78            | Okl.         |
| 1,731                   | 2,187                   | 3,000                   | 3,672                   | 4,408                   | 3,825                   | 3,488                   | 3,526                   | 80          | 92.79            | Ark.         |
| 851                     | 564                     | 1,008                   | 1,164                   | 1,080                   | 1,714                   | 1,260                   | 1,242                   | 115         | 103.50           | Calif.       |
|                         | 370                     | 400                     | 435                     | 222                     | 777                     | 600                     | 373                     | 106         | 573.00           | Other States |

## TOBACCO

| 1,000 pounds<br>996,049 | 1,000 pounds<br>1,361,343 | 1,000 pounds<br>1,376,828 | 1,000 pounds<br>1,397,889 | 1,000 pounds<br>1,337,339 | 1,000 dollars<br>230,774 | 1,000 dollars<br>238,708 | 1,000 dollars<br>236,256 | Cents<br>per lb.<br>91.5 | Dollars<br>165.42 | U. S.  |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------|--------|
| 9,374                   | 12,060                    | 10,660                    | 9,412                     | 8,683                     | 1,710                    | 3,294                    | 3,213                    | 37.0                     | 452.54            | Mass.  |
| 27,995                  | 39,456                    | 40,019                    | 29,346                    | 28,896                    | 7,604                    | 10,447                   | 10,399                   | 26.0                     | 440.64            | Conn.  |
| 4,492                   | 2,350                     | 2,200                     | 1,320                     | 960                       | 484                      | 261                      | 173                      | 18.0                     | 216.25            | N. Y.  |
| 56,333                  | 57,500                    | 57,400                    | 43,560                    | 51,880                    | 8,610                    | 4,574                    | 5,834                    | 111                      | 176.79            | Pa.    |
| 18,400                  | 24,480                    | 24,600                    | 26,040                    | 26,176                    | 4,691                    | 6,171                    | 4,973                    | 19.0                     | 155.41            | Md.    |
| 137,529                 | 136,500                   | 129,400                   | 137,032                   | 129,940                   | 20,186                   | 24,118                   | 25,033                   | 19.3                     | 140.63            | Va.    |
| 13,024                  | 6,200                     | 6,975                     | 8,500                     | 6,000                     | 1,269                    | 1,114                    | 1,170                    | 19.5                     | 156.00            | W. Va. |
| 126,204                 | 286,769                   | 380,165                   | 398,460                   | 468,000                   | 67,438                   | 102,025                  | 120,744                  | 25.8                     | 185.76            | N. C.  |
| 21,727                  | 45,560                    | 71,040                    | 56,780                    | 75,920                    | 12,077                   | 13,230                   | 15,564                   | 20.5                     | 149.65            | S. C.  |
| 1,306                   | 31,060                    | 48,240                    | 39,963                    | 50,088                    | 7,296                    | 9,591                    | 11,463                   | 19.4                     | 140.65            | Ga.    |
| 2,854                   | 4,500                     | 5,824                     | 5,808                     | 8,228                     | 1,805                    | 2,195                    | 2,680                    | 33.0                     | 327.27            | Fla.   |
| 61,948                  | 40,800                    | 50,745                    | 37,380                    | 24,012                    | 7,612                    | 3,776                    | 3,746                    | 12.6                     | 129.17            | Ohio.  |
| 19,184                  | 16,753                    | 16,391                    | 12,995                    | 6,364                     | 3,292                    | 1,261                    | 1,065                    | 17.0                     | 129.17            | Ind.   |
| 17,954                  | 35,720                    | 44,000                    | 33,350                    | 31,620                    | 7,280                    | 4,602                    | 6,006                    | 19.0                     | 103.81            | Wis.   |
| 5,457                   | 4,280                     | 4,075                     | 4,780                     | 4,400                     | 1,100                    | 712                      | 968                      | 22.0                     | 242.00            | Mo.    |
| 449,263                 | 405,460                   | 367,900                   | 368,668                   | 242,820                   | 62,078                   | 38,008                   | 40,066                   | 16.5                     | 135.40            | Ky.    |
| 69,887                  | 99,375                    | 94,380                    | 106,216                   | 71,435                    | 16,045                   | 11,153                   | 12,858                   | 18.0                     | 141.30            | Tenn.  |
| 2,308                   | 400                       | 804                       | 400                       | 400                       | 277                      | 180                      | 180                      | 45.0                     | 180.00            | La.    |

## No. 619.—TAME HAY: AREA, PRODUCTION, AND FARM VALUE, BY STATES

[Tons of 2,000 pounds]

| Division and State              | Acres          |                |                    | Yield per acre |      |                    | Production    |               |                    | Farm value, Dec. 1, 1927 (preliminary) |              |
|---------------------------------|----------------|----------------|--------------------|----------------|------|--------------------|---------------|---------------|--------------------|--|--------------|
|                                 | 1925           | 1926           | 1927 (preliminary) | 1925           | 1926 | 1927 (preliminary) | 1925          | 1926          | 1927 (preliminary) | Amount                                 | Per ton      |
|                                 | Thou-<br>sands | Thou-<br>sands | Thou-<br>sands     | Tons           | Tons | Tons               | 1,000<br>tons | 1,000<br>tons | 1,000<br>tons      | 1,000<br>dollars                       | Dol-<br>lars |
| <b>United States</b> .....      | 58,231         | 56,791         | 61,196             | 1.47           | 1.47 | 1.74               | 85,717        | 84,497        | 106,319            | 1,206,850                              | 11.36        |
| <b>New England</b> .....        | 3,535          | 3,550          | 3,514              | 1.33           | 1.37 | 1.36               | 4,800         | 4,499         | 4,798              | 73,496                                 | 15.11        |
| Maine.....                      | 1,238          | 1,272          | 1,260              | 1.21           | 1.12 | 1.22               | 1,521         | 1,428         | 1,543              | 19,500                                 | 12.70        |
| New Hampshire.....              | 469            | 469            | 463                | 1.22           | 1.14 | 1.27               | 5,072         | 534           | 528                | 9,584                                  | 16.30        |
| Vermont.....                    | 924            | 926            | 922                | 1.57           | 1.58 | 1.53               | 1,449         | 1,461         | 1,407              | 16,402                                 | 11.70        |
| Massachusetts.....              | 471            | 475            | 466                | 1.33           | 1.25 | 1.45               | 620           | 594           | 674                | 14,154                                 | 21.00        |
| Rhode Island.....               | 46             | 45             | 44                 | 1.28           | 1.20 | 1.34               | 59            | 58            | 59                 | 1,208                                  | 22.00        |
| Connecticut.....                | 357            | 363            | 359                | 1.29           | 1.17 | 1.46               | 459           | 424           | 525                | 11,302                                 | 21.70        |
| <b>Middle Atlantic</b> .....    | 8,913          | 8,913          | 8,189              | 1.39           | 1.32 | 1.57               | 11,419        | 10,604        | 12,636             | 166,039                                | 13.39        |
| New York.....                   | 4,917          | 4,847          | 4,850              | 1.38           | 1.32 | 1.51               | 6,794         | 6,303         | 7,311              | 82,614                                 | 11.30        |
| New Jersey.....                 | 257            | 250            | 257                | 1.54           | 1.55 | 1.79               | 400           | 391           | 461                | 8,068                                  | 17.50        |
| Pennsylvania.....               | 3,038          | 2,916          | 3,075              | 1.39           | 1.21 | 1.65               | 4,225         | 3,820         | 5,063              | 68,350                                 | 13.50        |
| <b>East North Central</b> ..... | 14,383         | 14,238         | 15,203             | 1.18           | 1.41 | 1.65               | 17,021        | 20,023        | 23,016             | 279,039                                | 11.06        |
| Ohio.....                       | 3,030          | 2,929          | 3,129              | 1.09           | 1.37 | 1.64               | 3,304         | 4,023         | 5,149              | 47,871                                 | 9.20         |
| Indiana.....                    | 2,005          | 1,941          | 2,057              | .99            | 1.28 | 1.48               | 1,982         | 2,477         | 3,040              | 31,616                                 | 10.40        |
| Illinois.....                   | 3,099          | 3,076          | 3,522              | 1.09           | 1.16 | 1.45               | 3,478         | 3,621         | 5,092              | 58,046                                 | 11.40        |
| Michigan.....                   | 2,887          | 2,913          | 3,039              | .99            | 1.42 | 1.56               | 2,871         | 4,160         | 4,748              | 52,228                                 | 11.00        |
| Wisconsin.....                  | 3,362          | 3,308          | 3,446              | 1.03           | 1.70 | 2.03               | 5,486         | 5,742         | 9,989              | 87,362                                 | 13.50        |
| <b>West North Central</b> ..... | 14,119         | 14,546         | 14,638             | 1.58           | 1.31 | 1.90               | 22,081        | 19,033        | 27,069             | 286,794                                | 9.31         |
| Minnesota.....                  | 2,238          | 2,267          | 2,290              | 1.77           | 1.31 | 2.02               | 3,969         | 2,977         | 4,819              | 42,362                                 | 9.00         |
| Iowa.....                       | 3,034          | 3,112          | 3,203              | 1.87           | 1.22 | 1.67               | 4,142         | 3,805         | 5,257              | 66,963                                 | 12.50        |
| Missouri.....                   | 3,272          | 3,147          | 3,553              | 1.11           | 1.12 | 1.46               | 3,622         | 3,531         | 5,185              | 51,332                                 | 9.80         |
| North Dakota.....               | 1,066          | 1,331          | 1,040              | 1.71           | 1.03 | 1.87               | 1,821         | 1,365         | 1,943              | 15,155                                 | 7.80         |
| South Dakota.....               | 1,095          | 1,363          | 1,105              | 1.33           | 1.00 | 2.06               | 1,452         | 1,360         | 2,269              | 17,244                                 | 7.60         |
| Nebraska.....                   | 1,672          | 1,761          | 1,727              | 2.17           | 1.86 | 2.40               | 3,635         | 3,282         | 4,145              | 35,232                                 | 8.50         |
| Kansas.....                     | 1,715          | 1,585          | 1,678              | 1.90           | 1.73 | 2.53               | 3,420         | 2,707         | 4,245              | 36,507                                 | 8.80         |
| <b>South Atlantic</b> .....     | 3,855          | 3,855          | 4,878              | .84            | 1.04 | 1.16               | 3,998         | 3,998         | 5,431              | 87,980                                 | 16.30        |
| Delaware.....                   | 75             | 76             | 80                 | 1.41           | 1.47 | 1.78               | 106           | 112           | 142                | 2,343                                  | 16.50        |
| Maryland.....                   | 418            | 390            | 443                | 1.39           | 1.30 | 1.63               | 577           | 516           | 724                | 11,150                                 | 15.40        |
| Virginia.....                   | 1,020          | 979            | 1,077              | .76            | 1.01 | 1.36               | 779           | 992           | 1,409              | 23,504                                 | 16.00        |
| West Virginia.....              | 836            | 784            | 887                | 1.20           | 1.32 | 1.51               | 1,005         | 1,039         | 1,298              | 18,900                                 | 13.00        |
| North Carolina.....             | 710            | 769            | 900                | .68            | .90  | .94                | 481           | 681           | 845                | 15,240                                 | 15.00        |
| South Carolina.....             | 214            | 257            | 443                | .27            | .77  | .90                | 57            | 109           | 366                | 6,408                                  | 18.00        |
| Georgia.....                    | 506            | 523            | 608                | .38            | .77  | .70                | 169           | 400           | 565                | 9,210                                  | 16.30        |
| Florida.....                    | 78             | 82             | 95                 | .69            | .70  | .67                | 54            | 57            | 64                 | 1,166                                  | 18.20        |
| <b>East South Central</b> ..... | 3,120          | 3,481          | 3,778              | .98            | 1.33 | 1.26               | 3,998         | 4,375         | 4,743              | 70,310                                 | 14.30        |
| Kentucky.....                   | 1,009          | 1,156          | 1,318              | 1.14           | 1.32 | 1.42               | 1,155         | 1,525         | 1,671              | 27,130                                 | 14.30        |
| Tennessee.....                  | 1,162          | 1,396          | 1,352              | .92            | 1.27 | 1.30               | 1,069         | 1,766         | 1,762              | 26,430                                 | 15.00        |
| Alabama.....                    | 556            | 523            | 615                | .67            | .95  | .84                | 375           | 499           | 515                | 7,725                                  | 15.00        |
| Mississippi.....                | 393            | 406            | 491                | 1.00           | 1.19 | 1.21               | 393           | 493           | 596                | 8,935                                  | 12.00        |
| <b>West South Central</b> ..... | 2,120          | 2,165          | 2,299              | .97            | 1.35 | 1.31               | 2,634         | 3,341         | 3,000              | 36,727                                 | 12.34        |
| Arkansas.....                   | 582            | 575            | 643                | .90            | 1.16 | 1.14               | 464           | 667           | 730                | 10,220                                 | 14.00        |
| Louisiana.....                  | 254            | 233            | 278                | .90            | 1.18 | 1.28               | 228           | 276           | 350                | 4,913                                  | 13.40        |
| Oklahoma.....                   | 480            | 572            | 509                | 1.28           | 1.54 | 1.59               | 613           | 868           | 901                | 9,641                                  | 16.70        |
| Texas.....                      | 404            | 605            | 805                | .93            | 1.39 | 1.26               | 749           | 1,115         | 1,013              | 11,953                                 | 11.80        |
| <b>Mountain</b> .....           | 5,284          | 5,403          | 5,356              | 2.45           | 2.39 | 2.40               | 19,858        | 13,383        | 12,913             | 120,518                                | 9.38         |
| Montana.....                    | 1,232          | 1,309          | 1,274              | 1.06           | 1.49 | 2.12               | 2,946         | 2,063         | 2,706              | 22,730                                 | 8.40         |
| Idaho.....                      | 1,032          | 1,025          | 1,014              | 3.28           | 2.70 | 3.11               | 3,395         | 2,768         | 3,151              | 27,414                                 | 8.70         |
| Wyoming.....                    | 603            | 682            | 685                | 1.81           | 1.94 | 1.86               | 1,293         | 1,326         | 1,271              | 11,439                                 | 9.00         |
| Colorado.....                   | 1,245          | 1,258          | 1,250              | 2.15           | 2.31 | 2.17               | 2,676         | 2,905         | 2,711              | 24,947                                 | 9.20         |
| New Mexico.....                 | 171            | 182            | 196                | 2.26           | 2.29 | 2.21               | 387           | 435           | 434                | 5,816                                  | 13.40        |
| Arizona.....                    | 160            | 176            | 192                | 3.47           | 3.64 | 3.50               | 535           | 641           | 672                | 9,677                                  | 14.60        |
| Utah.....                       | 568            | 562            | 567                | 3.30           | 3.07 | 2.60               | 1,874         | 1,724         | 1,474              | 13,561                                 | 9.20         |
| Nevada.....                     | 213            | 209            | 208                | 3.06           | 2.49 | 2.38               | 652           | 520           | 494                | 4,940                                  | 10.00        |
| <b>Pacific</b> .....            | 3,610          | 3,590          | 3,479              | 2.80           | 2.49 | 2.74               | 9,368         | 8,749         | 9,581              | 117,977                                | 12.38        |
| Washington.....                 | 908            | 906            | 932                | 2.39           | 2.30 | 2.49               | 2,048         | 2,001         | 2,317              | 29,889                                 | 12.90        |
| Oregon.....                     | 925            | 912            | 896                | 2.09           | 1.98 | 2.28               | 1,908         | 1,704         | 2,046              | 22,938                                 | 11.20        |
| California.....                 | 1,777          | 1,699          | 1,646              | 3.03           | 2.93 | 3.13               | 5,417         | 4,954         | 5,156              | 64,450                                 | 12.30        |

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 620.—WILD HAY: AREA, PRODUCTION, AND FARM VALUE, BY STATES

[Tons of 1,000 pounds]

| Division and State        | Acres                    |                          |                          | Yield per acre |              |                       | Production              |                        |                         | Farm value<br>Dec. 1, 1927<br>(preliminary) |                      |
|---------------------------|--------------------------|--------------------------|--------------------------|----------------|--------------|-----------------------|-------------------------|------------------------|-------------------------|---|----------------------|
|                           | 1925                     | 1926                     | 1927<br>(preliminary)    | 1925           | 1926         | 1927<br>(preliminary) | 1925                    | 1926                   | 1927<br>(preliminary)   | Amount                                      | Per ton              |
|                           | Thou-<br>sands<br>14,640 | Thou-<br>sands<br>12,911 | Thou-<br>sands<br>14,787 | Tons<br>8.87   | Tons<br>8.74 | Tons<br>1.17          | 1,000<br>tons<br>12,734 | 1,000<br>tons<br>9,546 | 1,000<br>tons<br>17,932 | 1,000<br>dollars<br>112,674                 | Dol-<br>lars<br>9.54 |
| <b>United States</b>      |                          |                          |                          |                |              |                       |                         |                        |                         |   |                      |
| <b>New England</b>        | 89                       | 89                       | 89                       | .97            | .99          | 1.08                  | 87                      | 89                     | 71                      | 887   | 12.52                |
| Maine                     | 13                       | 12                       | 13                       | .94            | .94          | .95                   | 12                      | 12                     | 12                      | 102   | 8.50                 |
| New Hampshire             | 17                       | 17                       | 17                       | .85            | .90          | 1.00                  | 14                      | 15                     | 17                      | 190   | 11.20                |
| Vermont                   | 12                       | 13                       | 12                       | 1.00           | 1.05         | 1.10                  | 12                      | 14                     | 14                      | 119   | 8.50                 |
| Massachusetts             | 19                       | 13                       | 12                       | 1.05           | .95          | 1.00                  | 14                      | 12                     | 13                      | 187   | 14.40                |
| Rhode Island              | 2                        | 2                        | 2                        | .85            | 1.00         | 1.00                  | 2                       | 2                      | 2                       | 20  | 14.50                |
| Connecticut               | 11                       | 11                       | 11                       | 1.05           | 1.00         | 1.20                  | 12                      | 11                     | 12                      | 209   | 15.40                |
| <b>Middle Atlantic</b>    | 104                      | 104                      | 100                      | 1.22           | 1.21         | 1.26                  | 127                     | 126                    | 126                     | 1,234                                       | 9.80                 |
| New York                  | 86                       | 85                       | 82                       | 1.12           | 1.12         | 1.14                  | 78                      | 76                     | 78                      | 663   | 8.50                 |
| New Jersey                | 16                       | 16                       | 17                       | 1.60           | 1.55         | 1.55                  | 26                      | 25                     | 26                      | 330   | 12.70                |
| Pennsylvania              | 20                       | 20                       | 15                       | 1.24           | 1.25         | 1.45                  | 23                      | 25                     | 22                      | 242   | 11.00                |
| <b>East North Central</b> | 366                      | 339                      | 307                      | 1.20           | 1.26         | 1.41                  | 441                     | 416                    | 434                     | 2,859                                       | 8.41                 |
| Ohio                      | 7                        | 5                        | 5                        | 1.14           | 1.22         | 1.45                  | 8                       | 6                      | 7                       | 62  | 8.80                 |
| Indiana                   | 21                       | 21                       | 21                       | .90            | 1.15         | 1.25                  | 19                      | 24                     | 20                      | 229   | 8.80                 |
| Illinois                  | 37                       | 37                       | 34                       | 1.00           | 1.10         | 1.40                  | 37                      | 41                     | 48                      | 368   | 8.20                 |
| Michigan                  | 43                       | 38                       | 42                       | .97            | 1.17         | 1.33                  | 44                      | 44                     | 58                      | 437   | 7.80                 |
| Wisconsin                 | 256                      | 228                      | 205                      | 1.20           | 1.22         | 1.45                  | 238                     | 201                    | 297                     | 2,594                                       | 8.50                 |
| <b>West North Central</b> | 10,617                   | 9,301                    | 10,442                   | .88            | .93          | 1.19                  | 9,031                   | 8,989                  | 12,034                  | 74,056                                      | 8.22                 |
| Minnesota                 | 1,865                    | 1,865                    | 1,884                    | 1.20           | .80          | 1.50                  | 2,236                   | 1,492                  | 2,826                   | 17,521                                      | 6.20                 |
| Iowa                      | 311                      | 300                      | 255                      | .95            | .84          | 1.27                  | 305                     | 252                    | 324                     | 3,240                                       | 10.00                |
| Missouri                  | 159                      | 130                      | 130                      | .85            | .90          | 1.35                  | 137                     | 117                    | 176                     | 1,109                                       | 6.20                 |
| North Dakota              | 1,451                    | 1,259                    | 1,360                    | .95            | .65          | 1.25                  | 1,407                   | 818                    | 1,700                   | 8,670                                       | 5.10                 |
| South Dakota              | 3,067                    | 2,315                    | 3,010                    | .62            | .40          | 1.10                  | 1,914                   | 926                    | 3,311                   | 17,879                                      | 5.40                 |
| Nebraska                  | 2,976                    | 2,130                    | 3,056                    | .75            | .65          | 1.00                  | 2,232                   | 1,644                  | 3,056                   | 19,253                                      | 6.20                 |
| Kansas                    | 938                      | 902                      | 947                      | .84            | .71          | 1.30                  | 788                     | 640                    | 1,231                   | 7,017                                       | 5.70                 |
| <b>South Atlantic</b>     | 114                      | 120                      | 122                      | .72            | .95          | 1.11                  | 89                      | 122                    | 120                     | 7,737                                       | 12.79                |
| Delaware                  | 4                        | 4                        | 3                        | 1.50           | 1.50         | 1.60                  | 6                       | 6                      | 5                       | 30  | 6.00                 |
| Maryland                  | 4                        | 4                        | 3                        | 1.10           | 1.21         | 1.40                  | 4                       | 5                      | 4                       | 56  | 14.00                |
| Virginia                  | 13                       | 26                       | 23                       | .65            | 1.00         | 1.25                  | 8                       | 29                     | 29                      | 377   | 13.00                |
| West Virginia             | 18                       | 12                       | 12                       | 1.20           | 1.10         | 1.50                  | 17                      | 14                     | 18                      | 207   | 11.50                |
| North Carolina            | 60                       | 55                       | 52                       | .62            | .90          | 1.10                  | 37                      | 52                     | 57                      | 764   | 13.40                |
| South Carolina            | 4                        | 2                        | 3                        | .23            | .65          | .69                   | 1                       | 2                      | 2                       | 29  | 14.00                |
| Georgia                   | 12                       | 18                       | 22                       | .51            | .80          | .78                   | 6                       | 14                     | 17                      | 221   | 13.00                |
| Florida                   | 4                        | 4                        | 4                        | .75            | .95          | .75                   | 3                       | 4                      | 2                       | 44  | 14.50                |
| <b>East South Central</b> | 112                      | 126                      | 129                      | .79            | 1.04         | 1.12                  | 84                      | 143                    | 127                     | 1,763                                       | 11.26                |
| Kentucky                  | 23                       | 28                       | 32                       | 1.05           | 1.25         | 1.40                  | 24                      | 29                     | 45                      | 490   | 10.90                |
| Tennessee                 | 35                       | 36                       | 50                       | .56            | 1.10         | 1.20                  | 23                      | 62                     | 60                      | 664   | 11.40                |
| Alabama                   | 22                       | 23                       | 22                       | .62            | .84          | .75                   | 14                      | 16                     | 16                      | 209   | 12.90                |
| Mississippi               | 32                       | 35                       | 35                       | .75            | .95          | 1.02                  | 24                      | 33                     | 36                      | 402   | 11.20                |
| <b>West South Central</b> | 780                      | 931                      | 948                      | .81            | .93          | .99                   | 477                     | 869                    | 937                     | 7,455                                       | 7.68                 |
| Arkansas                  | 127                      | 132                      | 146                      | .70            | 1.00         | 1.00                  | 89                      | 133                    | 146                     | 1,489                                       | 10.20                |
| Louisiana                 | 18                       | 18                       | 18                       | .70            | 1.10         | 1.00                  | 12                      | 20                     | 18                      | 184   | 10.20                |
| Oklahoma                  | 424                      | 549                      | 565                      | .66            | .80          | .98                   | 280                     | 429                    | 554                     | 3,767                                       | 6.80                 |
| Texas                     | 211                      | 231                      | 219                      | .45            | 1.20         | 1.00                  | 95                      | 277                    | 219                     | 2,015                                       | 9.20                 |
| <b>Mountain</b>           | 1,736                    | 1,496                    | 2,045                    | 1.06           | .98          | 1.12                  | 1,389                   | 1,440                  | 2,287                   | 13,271                                      | 7.99                 |
| Montana                   | 650                      | 363                      | 965                      | .90            | .80          | 1.15                  | 505                     | 314                    | 995                     | 7,462                                       | 7.50                 |
| Idaho                     | 101                      | 101                      | 101                      | 1.50           | 1.20         | 1.60                  | 152                     | 121                    | 162                     | 1,069                                       | 6.60                 |
| Wyoming                   | 360                      | 372                      | 409                      | 1.05           | 1.00         | 1.10                  | 399                     | 372                    | 450                     | 4,050                                       | 9.00                 |
| Colorado                  | 260                      | 360                      | 294                      | 1.00           | 1.00         | 1.00                  | 360                     | 360                    | 296                     | 3,326                                       | 6.40                 |
| New Mexico                | 35                       | 30                       | 30                       | .80            | 1.10         | 1.00                  | 28                      | 33                     | 30                      | 242   | 11.40                |
| Arizona                   | 5                        | 5                        | 10                       | .75            | 1.20         | 1.00                  | 4                       | 6                      | 10                      | 120   | 12.00                |
| Utah                      | 77                       | 72                       | 77                       | 1.70           | 1.25         | 1.30                  | 131                     | 94                     | 100                     | 750   | 7.50                 |
| Nevada                    | 177                      | 160                      | 160                      | 1.30           | 1.00         | .90                   | 230                     | 160                    | 144                     | 1,152                                       | 8.00                 |
| <b>Pacific</b>            | 412                      | 416                      | 412                      | 1.20           | 1.15         | 1.27                  | 334                     | 477                    | 433                     | 4,337                                       | 8.12                 |
| Washington                | 30                       | 30                       | 30                       | 1.55           | 1.40         | 1.75                  | 46                      | 42                     | 52                      | 536   | 10.20                |
| Oregon                    | 235                      | 235                      | 235                      | 1.20           | 1.15         | 1.25                  | 282                     | 270                    | 294                     | 2,205                                       | 7.50                 |
| California                | 146                      | 150                      | 147                      | 1.40           | 1.10         | 1.20                  | 207                     | 165                    | 178                     | 1,496                                       | 8.50                 |

Source: Bureau of Agricultural Economics, Department of Agriculture.

# No. 621.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES OF THE DEPARTMENT OF AGRICULTURE

[NOTE.—Figures for 1927 are preliminary]

| Yearly average or year | Area        | Production    | Value <sup>1</sup> | Yield per acre | Unit price <sup>1</sup> | Area        | Production    | Value <sup>1</sup> | Yield per acre | Unit price <sup>1</sup> |
|------------------------|-------------|---------------|--------------------|----------------|-------------------------|-------------|---------------|--------------------|----------------|-------------------------|
| Corn                   |             |               |                    |                |                         | Wheat       |               |                    |                |                         |
|                        | 1,000 acres | 1,000 bushels | 1,000 dollars      | Bush-els       | Cents per bushel        | 1,000 acres | 1,000 bushels | 1,000 dollars      | Bush-els       | Cents per bushel        |
| 1866-1875              | 37,216      | 969,948       | 454,535            | 26.1           | 46.9                    | 20,470      | 244,672       | 257,587            | 12.0           | 105.3                   |
| 1876-1885              | 61,671      | 1,564,992     | 617,780            | 25.4           | 39.5                    | 34,433      | 425,054       | 391,104            | 12.3           | 92.0                    |
| 1886-1895              | 74,274      | 1,769,616     | 648,785            | 23.8           | 36.7                    | 37,500      | 476,788       | 321,071            | 12.7           | 67.3                    |
| 1896-1900              | 90,589      | 2,373,786     | 669,420            | 26.2           | 28.1                    | 48,969      | 633,074       | 415,922            | 12.9           | 65.7                    |
| 1901-1905              | 93,545      | 2,366,483     | 1,043,140          | 25.3           | 45.3                    | 50,194      | 700,220       | 501,277            | 14.0           | 71.6                    |
| 1906-1910              | 97,327      | 2,682,288     | 1,366,651          | 27.6           | 51.3                    | 45,766      | 674,903       | 579,535            | 14.7           | 85.9                    |
| 1911-1915              | 105,672     | 2,754,164     | 1,644,511          | 26.0           | 60.3                    | 51,910      | 806,361       | 705,890            | 15.5           | 87.5                    |
| 1916-1920              | 105,072     | 2,830,942     | 3,109,625          | 27.0           | 111.0                   | 58,685      | 799,083       | 1,491,445          | 13.6           | 186.4                   |
| 1921-1925              | 102,626     | 2,850,904     | 1,931,750          | 27.8           | 67.8                    | 58,092      | 804,151       | 899,049            | 13.8           | 110.6                   |
| 1910                   | 104,035     | 2,886,260     | 1,384,817          | 27.7           | 48.0                    | 45,681      | 635,121       | 561,051            | 13.9           | 88.3                    |
| 1911                   | 105,825     | 2,531,488     | 1,565,258          | 23.9           | 61.8                    | 49,543      | 621,328       | 543,063            | 12.5           | 87.4                    |
| 1912                   | 107,083     | 3,124,746     | 1,520,454          | 29.2           | 48.7                    | 45,814      | 730,267       | 555,280            | 15.9           | 76.0                    |
| 1913                   | 105,820     | 2,446,968     | 1,692,092          | 23.1           | 69.1                    | 50,184      | 763,380       | 610,122            | 15.2           | 79.9                    |
| 1914                   | 103,435     | 2,672,804     | 1,722,070          | 25.8           | 64.4                    | 53,541      | 891,017       | 878,680            | 16.6           | 98.6                    |
| 1915                   | 106,197     | 2,994,793     | 1,722,680          | 28.2           | 57.5                    | 60,469      | 1,025,801     | 942,303            | 17.0           | 91.9                    |
| 1916                   | 105,296     | 2,566,927     | 2,280,729          | 24.4           | 88.9                    | 52,316      | 636,318       | 1,019,968          | 12.2           | 160.3                   |
| 1917                   | 116,730     | 3,065,233     | 3,920,228          | 26.3           | 127.9                   | 45,069      | 636,655       | 1,278,112          | 14.1           | 200.3                   |
| 1918                   | 104,467     | 2,502,665     | 3,416,240          | 24.0           | 136.5                   | 59,181      | 921,438       | 1,881,826          | 15.6           | 304.2                   |
| 1919                   | 97,170      | 2,811,302     | 3,780,597          | 28.9           | 134.5                   | 75,694      | 967,979       | 2,080,056          | 12.8           | 214.9                   |
| 1920                   | 101,699     | 3,208,584     | 2,150,332          | 31.5           | 67.0                    | 61,143      | 833,027       | 1,197,263          | 13.6           | 143.7                   |
| 1921                   | 103,740     | 3,068,569     | 1,297,213          | 29.6           | 42.3                    | 63,696      | 814,905       | 754,834            | 12.8           | 92.6                    |
| 1922                   | 102,846     | 2,906,020     | 1,910,775          | 28.3           | 65.8                    | 62,317      | 867,508       | 873,412            | 13.9           | 100.7                   |
| 1923                   | 104,324     | 3,053,557     | 2,217,229          | 29.3           | 72.6                    | 59,659      | 797,394       | 736,006            | 13.4           | 92.3                    |
| 1924                   | 100,863     | 2,309,414     | 2,266,771          | 22.9           | 98.2                    | 52,535      | 864,428       | 1,123,086          | 16.5           | 129.9                   |
| 1925                   | 101,359     | 2,916,961     | 1,966,761          | 28.8           | 67.4                    | 52,255      | 676,429       | 957,907            | 12.9           | 141.6                   |
| 1926                   | 99,713      | 2,692,217     | 1,729,457          | 27.0           | 64.2                    | 56,337      | 831,040       | 995,954            | 14.8           | 119.8                   |
| 1927                   | 98,914      | 2,786,288     | 2,014,725          | 28.2           | 72.3                    | 58,533      | 871,691       | 974,694            | 14.9           | 111.8                   |
| Oats                   |             |               |                    |                |                         | Rye         |               |                    |                |                         |
|                        | 1,000 acres | 1,000 bushels | 1,000 dollars      | Bush-els       | Cents per bushel        | 1,000 acres | 1,000 bushels | 1,000 dollars      | Bush-els       | Cents per bushel        |
| 1866-1875              | 9,680       | 272,993       | 102,423            | 28.2           | 37.5                    | 1,347       | 18,267        | 14,559             | 13.6           | 79.7                    |
| 1876-1885              | 17,143      | 469,856       | 152,594            | 27.4           | 32.5                    | 1,892       | 24,625        | 15,540             | 13.0           | 63.7                    |
| 1886-1895              | 27,482      | 717,143       | 207,266            | 26.1           | 29.4                    | 2,188       | 27,975        | 15,275             | 12.8           | 54.4                    |
| 1896-1900              | 29,319      | 849,004       | 195,462            | 28.9           | 22.8                    | 2,074       | 31,272        | 14,142             | 15.1           | 45.2                    |
| 1901-1905              | 30,933      | 951,752       | 308,350            | 30.7           | 32.8                    | 2,077       | 33,064        | 19,091             | 15.9           | 57.8                    |
| 1906-1910              | 34,741      | 988,734       | 385,820            | 28.4           | 39.7                    | 2,182       | 35,617        | 24,723             | 16.3           | 69.5                    |
| 1911-1915              | 38,703      | 1,230,499     | 473,133            | 31.7           | 39.2                    | 2,494       | 41,399        | 31,903             | 16.5           | 76.6                    |
| 1916-1920              | 42,456      | 1,412,602     | 865,991            | 33.2           | 61.3                    | 4,927       | 67,762        | 96,485             | 13.9           | 139.9                   |
| 1921-1925              | 42,870      | 1,318,021     | 525,747            | 30.8           | 39.9                    | 4,899       | 68,007        | 52,172             | 13.9           | 76.7                    |
| 1910                   | 37,548      | 1,186,341     | 408,388            | 31.6           | 34.4                    | 2,185       | 34,897        | 24,953             | 16.0           | 71.5                    |
| 1911                   | 37,763      | 922,298       | 414,683            | 24.4           | 45.0                    | 2,127       | 33,119        | 27,557             | 15.6           | 83.2                    |
| 1912                   | 37,917      | 1,418,337     | 452,469            | 37.4           | 31.9                    | 2,117       | 35,664        | 23,636             | 16.8           | 66.3                    |
| 1913                   | 38,399      | 1,121,768     | 439,596            | 29.2           | 39.2                    | 2,557       | 41,381        | 26,220             | 16.2           | 63.4                    |
| 1914                   | 38,412      | 1,141,060     | 499,431            | 29.7           | 43.8                    | 2,541       | 42,779        | 37,018             | 16.8           | 86.5                    |
| 1915                   | 40,996      | 1,549,030     | 579,506            | 37.8           | 36.1                    | 3,129       | 54,050        | 45,083             | 17.3           | 83.4                    |
| 1916                   | 41,727      | 1,271,837     | 655,928            | 30.4           | 52.4                    | 3,213       | 48,862        | 59,676             | 15.2           | 122.1                   |
| 1917                   | 43,753      | 1,792,740     | 1,061,474          | 36.6           | 96.6                    | 4,317       | 62,933        | 104,447            | 14.6           | 166.9                   |
| 1918                   | 44,519      | 1,738,124     | 1,080,522          | 34.7           | 70.9                    | 6,391       | 91,041        | 138,038            | 14.2           | 151.9                   |
| 1919                   | 40,359      | 1,184,030     | 833,922            | 29.3           | 70.4                    | 6,307       | 75,483        | 100,573            | 12.0           | 133.2                   |
| 1920                   | 42,491      | 1,496,281     | 688,311            | 35.2           | 46.0                    | 4,409       | 60,490        | 76,693             | 13.7           | 128.8                   |
| 1921                   | 45,495      | 1,078,341     | 325,954            | 23.7           | 30.2                    | 4,528       | 61,675        | 43,014             | 13.6           | 69.7                    |
| 1922                   | 40,790      | 1,215,803     | 478,948            | 29.8           | 39.4                    | 6,672       | 103,362       | 70,841             | 15.5           | 68.5                    |
| 1923                   | 40,981      | 1,305,883     | 541,137            | 31.9           | 41.4                    | 5,171       | 63,077        | 40,971             | 12.2           | 65.0                    |
| 1924                   | 42,110      | 1,502,729     | 717,189            | 37.7           | 47.7                    | 4,150       | 65,466        | 69,696             | 15.8           | 106.5                   |
| 1925                   | 44,872      | 1,487,770     | 565,506            | 33.2           | 38.0                    | 3,974       | 46,456        | 36,340             | 11.7           | 78.2                    |
| 1926                   | 41,177      | 1,246,848     | 496,582            | 28.2           | 39.8                    | 3,578       | 40,795        | 34,024             | 11.4           | 83.4                    |
| 1927                   | 42,227      | 1,195,006     | 537,276            | 28.3           | 45.0                    | 3,670       | 58,572        | 49,945             | 16.0           | 85.3                    |

<sup>1</sup> Farm values as of Dec. 1.

No. 621.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES  
OF THE DEPARTMENT OF AGRICULTURE—Continued

| Yearly average or year | Barley       |               |               |                |                  | Buckwheat   |               |               |                |                  |
|------------------------|--------------|---------------|---------------|----------------|------------------|-------------|---------------|---------------|----------------|------------------|
|                        | Area         | Production    | Value         | Yield per acre | Unit price       | Area        | Production    | Value         | Yield per acre | Unit price       |
|                        | 1,000 acres  | 1,000 bushels | 1,000 dollars | Bushels        | Cents per bushel | 1,000 acres | 1,000 bushels | 1,000 dollars | Bushels        | Cents per bushel |
| 1866-1875              | 1,196        | 26,992        | 21,382        | 22.6           | 79.2             | 730         | 13,369        | 9,735         | 18.3           | 72.8             |
| 1876-1885              | 2,102        | 47,029        | 28,688        | 22.4           | 61.8             | 799         | 11,616        | 7,510         | 14.7           | 66.2             |
| 1886-1895              | 3,490        | 79,646        | 37,464        | 22.8           | 48.3             | 879         | 12,854        | 7,031         | 14.7           | 55.0             |
| 1896-1900              | 4,315        | 102,951       | 37,847        | 23.9           | 36.7             | 821         | 14,367        | 6,720         | 17.5           | 47.6             |
| 1901-1905              | 5,520        | 150,063       | 64,829        | 27.2           | 43.4             | 859         | 15,670        | 9,343         | 18.2           | 59.6             |
| 1906-1910              | 7,281        | 181,788       | 99,631        | 25.1           | 55.1             | 759         | 16,543        | 23,313        | 19.3           | 68.3             |
| 1911-1915              | 7,474        | 197,211       | 114,389       | 26.5           | 59.4             | 808         | 16,514        | 12,127        | 20.4           | 73.9             |
| 1916-1920              | 8,150        | 197,447       | 189,902       | 24.1           | 97.1             | 836         | 14,426        | 20,963        | 17.4           | 142.7            |
| 1921-1925              | 7,516        | 186,567       | 105,915       | 24.8           | 56.8             | 735         | 14,017        | 12,718        | 19.1           | 90.7             |
| 1910                   | 7,743        | 173,832       | 100,426       | 22.5           | 57.8             | 800         | 17,598        | 11,636        | 20.5           | 66.1             |
| 1911                   | 7,627        | 160,240       | 139,182       | 21.0           | 86.9             | 833         | 17,549        | 12,735        | 21.1           | 72.6             |
| 1912                   | 7,530        | 223,824       | 112,957       | 29.7           | 50.5             | 841         | 19,249        | 12,720        | 22.9           | 66.1             |
| 1913                   | 7,499        | 178,189       | 96,731        | 23.8           | 53.7             | 805         | 13,833        | 10,445        | 17.2           | 75.5             |
| 1914                   | 7,565        | 194,953       | 105,903       | 25.8           | 54.3             | 792         | 16,881        | 12,892        | 21.3           | 76.4             |
| 1915                   | 7,148        | 228,851       | 118,172       | 32.0           | 51.6             | 769         | 15,056        | 11,843        | 19.6           | 78.7             |
| 1916                   | 7,757        | 182,309       | 160,646       | 23.5           | 88.1             | 828         | 11,662        | 13,147        | 14.1           | 112.7            |
| 1917                   | 8,933        | 211,759       | 240,758       | 23.7           | 113.7            | 924         | 16,022        | 25,631        | 17.3           | 160.0            |
| 1918                   | 9,740        | 256,225       | 234,942       | 26.3           | 91.7             | 1,027       | 16,906        | 28,142        | 16.5           | 166.5            |
| 1919                   | 6,720        | 147,608       | 178,080       | 22.0           | 120.6            | 700         | 14,399        | 21,032        | 20.6           | 146.1            |
| 1920                   | 7,600        | 189,332       | 135,083       | 24.9           | 71.3             | 701         | 13,142        | 16,863        | 18.7           | 128.3            |
| 1921                   | 7,414        | 154,946       | 64,934        | 20.9           | 41.9             | 680         | 14,207        | 11,540        | 20.9           | 81.2             |
| 1922                   | 7,317        | 182,068       | 96,560        | 24.9           | 52.5             | 764         | 14,564        | 12,889        | 19.1           | 88.5             |
| 1923                   | 7,835        | 197,691       | 107,038       | 25.2           | 54.1             | 739         | 13,965        | 13,029        | 18.9           | 93.3             |
| 1924                   | 6,925        | 181,575       | 135,590       | 26.2           | 74.1             | 745         | 13,357        | 13,708        | 17.9           | 102.6            |
| 1925                   | 8,088        | 216,554       | 127,453       | 26.8           | 58.9             | 747         | 13,904        | 12,423        | 18.7           | 88.8             |
| 1926                   | 7,970        | 184,905       | 106,237       | 23.2           | 57.5             | 694         | 12,676        | 11,183        | 18.3           | 88.2             |
| 1927                   | 9,492        | 265,577       | 180,127       | 28.0           | 67.8             | 832         | 16,182        | 13,518        | 19.4           | 83.5             |
|                        | Rice (rough) |               |               |                |                  | Flaxseed    |               |               |                |                  |
|                        | 1,000 acres  | 1,000 bushels | 1,000 dollars | Bushels        | Cents per bushel | 1,000 acres | 1,000 bushels | 1,000 dollars | Bushels        | Cents per bushel |
| 1906-1910              | 638          | 20,720        | 16,598        | 32.4           | 80.9             | 2,520       | 21,930        | 28,151        | 8.7            | 140.0            |
| 1911-1915              | 749          | 25,266        | 22,370        | 33.8           | 88.4             | 2,186       | 18,615        | 26,120        | 8.5            | 142.3            |
| 1916-1920              | 1,073        | 41,645        | 70,250        | 39.1           | 171.2            | 1,726       | 10,972        | 31,807        | 6.4            | 300.1            |
| 1921-1925              | 922          | 35,708        | 41,551        | 38.7           | 116.4            | 2,156       | 17,887        | 38,410        | 8.3            | 214.7            |
| 1910                   | 723          | 24,510        | 16,624        | 33.9           | 67.8             | 2,467       | 12,718        | 29,472        | 5.2            | 231.7            |
| 1911                   | 696          | 22,934        | 18,274        | 32.9           | 79.7             | 2,757       | 19,370        | 35,272        | 7.0            | 182.1            |
| 1912                   | 723          | 25,064        | 23,423        | 34.7           | 93.5             | 2,851       | 28,073        | 32,202        | 9.8            | 114.7            |
| 1913                   | 827          | 25,744        | 22,090        | 31.1           | 85.8             | 2,291       | 17,853        | 21,399        | 7.8            | 119.9            |
| 1914                   | 694          | 23,649        | 21,849        | 34.1           | 92.4             | 1,645       | 13,749        | 17,318        | 8.4            | 126.0            |
| 1915                   | 803          | 28,947        | 26,212        | 36.1           | 90.6             | 1,387       | 14,030        | 24,410        | 10.1           | 174.0            |
| 1916                   | 869          | 40,861        | 36,311        | 47.0           | 88.9             | 1,474       | 14,296        | 35,541        | 9.7            | 248.6            |
| 1917                   | 981          | 34,739        | 65,879        | 35.4           | 189.6            | 1,984       | 9,164         | 27,182        | 4.6            | 296.6            |
| 1918                   | 1,119        | 38,606        | 74,042        | 34.5           | 191.8            | 1,910       | 13,369        | 45,470        | 7.0            | 340.1            |
| 1919                   | 1,063        | 41,985        | 111,913       | 39.5           | 286.6            | 1,503       | 7,178         | 31,475        | 4.8            | 438.5            |
| 1920                   | 1,336        | 52,066        | 62,036        | 39.0           | 119.1            | 1,757       | 10,752        | 18,999        | 6.1            | 176.7            |
| 1921                   | 921          | 37,612        | 35,802        | 40.8           | 95.2             | 1,108       | 8,029         | 11,648        | 7.2            | 145.1            |
| 1922                   | 1,055        | 41,405        | 38,562        | 39.2           | 93.1             | 1,113       | 10,375        | 21,941        | 9.3            | 211.5            |
| 1923                   | 896          | 33,717        | 37,150        | 37.7           | 110.2            | 2,014       | 17,060        | 35,961        | 8.5            | 210.7            |
| 1924                   | 850          | 32,498        | 45,009        | 38.2           | 138.5            | 3,469       | 31,547        | 71,728        | 9.1            | 227.4            |
| 1925                   | 889          | 33,309        | 51,232        | 37.5           | 153.8            | 3,078       | 22,424        | 50,783        | 7.3            | 226.5            |
| 1926                   | 1,034        | 41,730        | 45,722        | 40.4           | 109.6            | 2,907       | 19,335        | 37,510        | 6.7            | 194.0            |
| 1927                   | 989          | 40,231        | 37,728        | 40.7           | 93.8             | 2,907       | 26,583        | 49,373        | 9.1            | 185.7            |

## No. 821. ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES OF THE DEPARTMENT OF AGRICULTURE—Continued

| Yearly average or year | Area        | Production               | Value         | Yield per acre | Unit price       | Area  | Production       | Value         | Yield per acre | Unit price                 |
|------------------------|-------------|--------------------------|---------------|----------------|------------------|---|------------------|---------------|----------------|----------------------------|
|                        |             |                          |               |                |                  |   |                  |               |                |                            |
|                        | Potatoes    |                          |               |                |                  | Sweet potatoes                              |                  |               |                |                            |
|                        | 1,000 acres | 1,000 bushels            | 1,000 dollars | Bushels        | Cents per bushel | 1,000 acres                                 | 1,000 bushels    | 1,000 dollars | Bushels        | Cents per bushel           |
| 1886-1875              | 1,261       | 167,206                  | 62,754        | 83.0           | 53.5             |   |                  |               |                |                            |
| 1876-1885              | 1,998       | 162,228                  | 82,085        | 81.2           | 50.6             |   |                  |               |                |                            |
| 1886-1895              | 2,663       | 197,285                  | 92,908        | 74.4           | 47.1             |   |                  |               |                |                            |
| 1896-1900              | 2,911       | 237,916                  | 96,250        | 81.6           | 41.3             |   |                  |               |                |                            |
| 1901-1905              | 3,104       | 277,150                  | 155,388       | 89.1           | 58.0             | 345   | 47,730           | 27,943        | 87.5           | 58.5                       |
| 1906-1910              | 3,502       | 340,045                  | 196,904       | 97.1           | 58.3             | 600   | 54,563           | 36,457        | 90.9           | 66.3                       |
| 1911-1915              | 3,689       | 362,910                  | 219,137       | 98.3           | 61.9             | 629   | 60,257           | 42,526        | 95.4           | 71.3                       |
| 1916-1920              | 3,889       | 373,417                  | 486,053       | 95.7           | 132.4            | 913   | 88,750           | 104,064       | 96.9           | 115.7                      |
| 1921-1925              | 3,697       | 395,242                  | 370,798       | 106.9          | 93.8             | 926   | 84,291           | 84,152        | 90.8           | 99.9                       |
| 1912                   | 3,711       | 420,647                  | 212,550       | 113.4          | 50.5             | 583   | 55,479           | 40,264        | 95.2           | 72.6                       |
| 1913                   | 3,668       | 331,525                  | 227,903       | 90.4           | 65.7             | 625   | 59,057           | 42,944        | 94.5           | 72.6                       |
| 1914                   | 3,711       | 409,921                  | 199,460       | 110.5          | 48.7             | 603   | 56,574           | 41,294        | 98.8           | 73.0                       |
| 1915                   | 3,734       | 359,721                  | 221,992       | 96.3           | 61.7             | 731   | 75,689           | 46,980        | 103.5          | 62.1                       |
| 1916                   | 3,565       | 286,965                  | 419,333       | 80.5           | 146.1            | 774   | 70,955           | 60,141        | 91.7           | 84.5                       |
| 1917                   | 4,384       | 442,108                  | 542,774       | 100.8          | 122.8            | 919   | 83,822           | 92,916        | 91.2           | 110.8                      |
| 1918                   | 4,295       | 411,800                  | 491,527       | 95.9           | 119.3            | 940   | 87,924           | 118,893       | 93.5           | 135.2                      |
| 1919                   | 3,542       | 322,867                  | 514,855       | 91.2           | 150.3            | 941   | 97,126           | 130,514       | 103.2          | 134.4                      |
| 1920                   | 3,657       | 403,296                  | 451,778       | 110.3          | 114.5            | 992   | 102,925          | 117,834       | 104.8          | 113.4                      |
| 1921                   | 3,941       | 361,659                  | 398,362       | 91.8           | 110.1            | 1,006                                       | 96,654           | 86,894        | 92.5           | 88.1                       |
| 1922                   | 4,307       | 433,398                  | 263,355       | 105.3          | 58.1             | 1,117                                       | 109,394          | 94,295        | 97.9           | 77.1                       |
| 1923                   | 3,816       | 416,106                  | 324,889       | 109.0          | 78.1             | 993   | 97,177           | 95,091        | 97.9           | 97.9                       |
| 1924                   | 3,327       | 421,585                  | 263,312       | 126.7          | 62.6             | 688   | 53,912           | 60,444        | 78.4           | 128.8                      |
| 1925                   | 3,092       | 323,465                  | 604,072       | 104.6          | 186.8            | 779   | 62,319           | 85,034        | 80.0           | 126.4                      |
| 1926                   | 3,122       | 354,328                  | 501,017       | 113.5          | 141.4            | 819   | 82,703           | 78,856        | 101.0          | 95.3                       |
| 1927                   | 3,505       | 402,149                  | 387,870       | 114.7          | 98.4             | 931   | 93,928           | 77,590        | 100.9          | 82.5                       |
|                        | Cotton      |                          |               |                |                  | Cottonseed <sup>1</sup> (census statistics) |                  |               |                |                            |
|                        | 1,000 acres | 1,000 bales <sup>2</sup> | 1,000 dollars | Lbs.           | Cents per pound  |   | 1,000 short tons | 1,000 dollars |                | Dolls per ton <sup>4</sup> |
| 1886-1875              | 8,810       | 3,250                    |               | 176.2          |                  |   |                  |               |                |                            |
| 1876-1885              | 13,209      | 5,652                    | 243,808       | 170.7          | 9.1              |   | 2,607            |               |                |                            |
| 1886-1895              | 19,421      | 7,637                    | 260,415       | 176.9          | 7.7              |   | 3,645            |               |                |                            |
| 1896-1900              | 24,364      | 10,021                   | 337,592       | 198.3          | 7.1              |   | 4,859            |               |                |                            |
| 1901-1905              | 27,965      | 10,787                   | 485,300       | 184.8          | 9.0              |   | 5,186            | 82,554        |                | 15.68                      |
| 1906-1910              | 31,364      | 11,754                   | 660,798       | 180.3          | 11.3             |   | 5,251            | 103,728       |                | 20.10                      |
| 1911-1915              | 35,132      | 14,000                   | 709,029       | 192.0          | 10.2             |   | 6,317            | 135,066       |                | 22.04                      |
| 1916-1920              | 34,856      | 11,823                   | 1,464,088     | 163.2          | 24.9             |   | 5,312            | 283,914       |                | 54.40                      |
| 1921-1925              | 37,616      | 11,518                   | 1,276,329     | 146.4          | 22.2             |   | 5,114            | 174,318       |                | 34.34                      |
| 1912                   | 34,283      | 12,703                   | 817,055       | 190.9          | 11.9             |   | 6,104            | 117,230       |                | 19.20                      |
| 1913                   | 37,089      | 14,156                   | 862,708       | 182.0          | 12.2             |   | 6,305            | 141,350       |                | 22.40                      |
| 1914                   | 36,632      | 16,135                   | 549,036       | 209.2          | 6.8              |   | 7,186            | 128,960       |                | 17.90                      |
| 1915                   | 31,412      | 11,192                   | 631,490       | 170.3          | 11.3             |   | 4,992            | 167,900       |                | 33.60                      |
| 1916                   | 34,065      | 11,450                   | 1,122,295     | 156.6          | 19.6             |   | 5,113            | 259,070       |                | 50.50                      |
| 1917                   | 33,841      | 11,302                   | 1,566,198     | 159.7          | 27.7             |   | 5,040            | 233,550       |                | 46.08                      |
| 1918                   | 36,008      | 12,041                   | 1,663,633     | 159.6          | 27.6             |   | 5,560            | 349,490       |                | 65.22                      |
| 1919                   | 33,566      | 11,421                   | 2,034,658     | 161.5          | 35.6             |   | 5,074            | 240,470       |                | 67.18                      |
| 1920                   | 35,878      | 13,440                   | 933,688       | 178.4          | 13.9             |   | 5,971            | 136,990       |                | 22.92                      |
| 1921                   | 30,509      | 7,964                    | 643,933       | 124.5          | 16.2             |   | 3,531            | 104,560       |                | 29.72                      |
| 1922                   | 33,086      | 9,762                    | 1,100,968     | 141.2          | 23.6             |   | 4,336            | 150,400       |                | 34.70                      |
| 1923                   | 37,123      | 10,140                   | 1,571,829     | 130.6          | 31.0             |   | 4,502            | 190,050       |                | 42.23                      |
| 1924                   | 41,360      | 13,028                   | 1,540,844     | 157.4          | 22.6             |   | 6,051            | 206,220       |                | 34.16                      |
| 1925                   | 40,953      | 16,104                   | 1,404,032     | 167.2          | 18.2             |   | 7,150            | 220,360       |                | 30.86                      |
| 1926                   | 47,087      | 17,977                   | 982,736       | 182.6          | 10.9             |   | 7,989            | 172,120       |                | 21.63                      |
| 1927                   | 40,165      | 12,950                   | 1,253,599     | 152.3          | 19.6             |   | 5,768            |               |                |                            |

<sup>1</sup> Value based on yearly average price, statistics for 1927 are not available.<sup>2</sup> Production, excluding linters, in bales of 500 pounds gross (Census).<sup>3</sup> Yearly average farm price.<sup>4</sup> Four-year average.



## No. 621.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES OF THE DEPARTMENT OF AGRICULTURE—Continued

| Yearly average or year                                 | Area        | Production    | Value         | Yield per acre | Unit price         | Area        | Production       | Value         | Yield per acre | Unit price     |
|--|-------------|---------------|---------------|----------------|--------------------|-------------|------------------|---------------|----------------|----------------|
| Beans, dry, edible                                     |             |               |               |                |                    | Peanuts     |                  |               |                |                |
|  | 1,000 acres | 1,000 bushels | 1,000 dollars | Bushels        | Dollars per bushel | 1,000 acres | 1,000 pounds     | 1,000 dollars | Lbs.           | Cents per lb.  |
| 1916-1920  | 1,314       | 13,317        | 66,903        | 10.4           | 4.82               | 1,413       | 1,043,292        | 67,475        | 745.6          | 6.5            |
| 1921-1925  | 1,279       | 14,692        | 50,910        | 11.5           | 3.47               | 1,052       | 710,743          | 33,255        | 675.6          | 4.7            |
| 1914   | 875         | 11,585        | 26,213        | 13.2           | 2.26               |             |                  |               |                |                |
| 1915   | 928         | 10,321        | 26,771        | 11.1           | 2.50               |             |                  |               |                |                |
| 1916   | 1,107       | 10,715        | 54,686        | 9.7            | 5.10               | 1,043       | 919,028          | 41,243        | 881.1          | 4.5            |
| 1917   | 1,821       | 16,045        | 104,350       | 8.8            | 6.50               | 1,842       | 1,432,581        | 98,512        | 777.7          | 6.9            |
| 1918   | 1,744       | 17,397        | 91,863        | 10.0           | 5.28               | 1,865       | 1,240,102        | 80,271        | 664.9          | 6.5            |
| 1919   | 1,065       | 13,399        | 57,046        | 12.6           | 4.26               | 1,132       | 783,273          | 73,094        | 691.9          | 9.3            |
| 1920   | 852         | 9,225         | 27,282        | 10.8           | 2.96               | 1,181       | 841,474          | 44,256        | 712.5          | 5.3            |
| 1921   | 782         | 9,185         | 24,515        | 11.7           | 2.67               | 1,214       | 829,307          | 33,097        | 683.1          | 4.0            |
| 1922   | 1,086       | 12,877        | 48,133        | 11.9           | 3.74               | 1,005       | 633,114          | 29,613        | 630.0          | 4.7            |
| 1923   | 1,344       | 16,308        | 59,782        | 12.1           | 3.67               | 896         | 647,762          | 43,918        | 722.9          | 6.8            |
| 1924   | 1,576       | 15,164        | 56,744        | 9.6            | 3.74               | 1,187       | 745,059          | 34,259        | 627.7          | 4.6            |
| 1925   | 1,606       | 19,928        | 65,376        | 12.4           | 3.28               | 968         | 698,475          | 25,390        | 729.1          | 3.6            |
| 1926   | 1,649       | 17,396        | 51,005        | 10.5           | 2.93               | 843         | 631,825          | 28,161        | 749.5          | 4.5            |
| 1927   | 1,605       | 16,872        | 48,732        | 10.5           | 2.89               | 1,132       | 866,822          | 35,193        | 765.7          | 4.1            |
| (Grain sorghums (kaffirs, milo maize, feterita, etc.)) |             |               |               |                |                    | Broom corn  |                  |               |                |                |
|  | 1,000 acres | 1,000 bushels | 1,000 dollars | Bushels        | Cents per bushel   | 1,000 acres | 1,000 short tons | 1,000 dollars | Lbs.           | Dolls. per ton |
| 1916-1920  | 5,063       | 91,330        | 112,096       | 18.1           | 127.6              | 315         | 50               | 10,185        | 314.2          | 196.02         |
| 1921-1925  | 4,685       | 93,204        | 69,764        | 19.9           | 74.9               | 341         | 53               | 7,126         | 309.3          | 134.96         |
| 1915   | 4,153       | 114,460       | 51,157        | 27.6           | 44.7               | 230         | 52               | 4,789         | 454.1          | 91.67          |
| 1916   | 3,944       | 53,858        | 57,027        | 13.7           | 105.9              | 235         | 39               | 6,690         | 329.3          | 172.75         |
| 1917   | 5,153       | 61,409        | 99,433        | 11.9           | 161.9              | 345         | 57               | 16,804        | 332.8          | 292.75         |
| 1918   | 6,036       | 73,241        | 109,881       | 12.1           | 150.0              | 366         | 62               | 14,570        | 340.4          | 233.87         |
| 1919   | 5,090       | 130,734       | 166,510       | 25.8           | 127.4              | 352         | 53               | 8,254         | 303.4          | 154.57         |
| 1920   | 5,120       | 137,408       | 127,629       | 26.8           | 92.9               | 276         | 36               | 4,605         | 265.0          | 126.16         |
| 1921   | 4,635       | 113,990       | 44,575        | 24.6           | 39.1               | 222         | 38               | 2,758         | 344.2          | 72.20          |
| 1922   | 5,064       | 90,524        | 79,503        | 17.9           | 87.8               | 275         | 37               | 8,186         | 271.3          | 219.46         |
| 1923   | 5,792       | 105,835       | 99,473        | 18.3           | 94.0               | 536         | 81               | 12,989        | 302.8          | 160.06         |
| 1924   | 3,813       | 80,443        | 68,501        | 21.1           | 85.2               | 451         | 78               | 7,478         | 346.8          | 96.63          |
| 1925   | 4,120       | 75,230        | 56,769        | 18.3           | 75.5               | 223         | 30               | 4,219         | 264.6          | 143.02         |
| 1926   | 6,690       | 137,515       | 74,065        | 20.6           | 53.9               | 306         | 53               | 4,202         | 346.8          | 78.69          |
| 1927   | 6,733       | 137,608       | 84,802        | 20.4           | 61.6               | 218         | 36               | 3,899         | 327.4          | 109.28         |
| Clover seed  |             |               |               |                |                    | Hops        |                  |               |                |                |
|  | 1,000 acres | 1,000 bushels | 1,000 dollars | Bushels        | Dollars per bushel | 1,000 acres | 1,000 pounds     | 1,000 dollars | Lbs.           | Cents per lb.  |
| 1916-1920  | 921         | 1,564         | 24,280        | 1.7            | 16.10              | 30          | 32,143           | 10,326        | 1,076          | 35.6           |
| 1921-1925  | 895         | 1,358         | 15,702        | 1.5            | 11.56              | 22          | 26,616           | 4,456         | 1,232          | 16.7           |
| 1915   |             |               |               |                |                    | 45          | 52,986           | 6,203         | 1,187          | 11.7           |
| 1916   | 939         | 1,706         | 15,661        | 1.8            | 9.18               | 44          | 50,595           | 6,073         | 1,152          | 12.0           |
| 1917   | 821         | 1,488         | 19,107        | 1.8            | 12.84              | 30          | 29,388           | 9,795         | 983            | 33.3           |
| 1918   | 820         | 1,197         | 23,705        | 1.5            | 19.80              | 26          | 21,481           | 4,150         | 829            | 19.3           |
| 1919   | 942         | 1,484         | 39,700        | 1.6            | 26.75              | 21          | 24,970           | 19,376        | 1,189          | 77.6           |
| 1920   | 1,082       | 1,944         | 23,227        | 1.8            | 11.95              | 28          | 34,280           | 12,236        | 1,224          | 35.7           |
| 1921   | 889         | 1,538         | 16,529        | 1.7            | 10.75              | 27          | 29,340           | 7,080         | 1,087          | 24.1           |
| 1922   | 1,170       | 1,955         | 18,332        | 1.7            | 9.38               | 23          | 27,744           | 2,383         | 1,186          | 8.6            |
| 1923   | 775         | 1,228         | 13,218        | 1.6            | 10.76              | 18          | 19,751           | 3,722         | 1,071          | 18.8           |
| 1924   | 820         | 958           | 13,882        | 1.2            | 14.49              | 20          | 27,670           | 2,863         | 1,360          | 10.3           |
| 1925   | 823         | 1,113         | 16,547        | 1.4            | 14.87              | 20          | 28,573           | 6,232         | 1,404          | 21.8           |
| 1926   | 530         | 728           | 12,895        | 1.4            | 17.71              | 21          | 31,522           | 7,296         | 1,516          | 23.1           |
| 1927   | 1,206       | 1,738         | 26,499        | 1.4            | 15.25              | 25          | 29,794           | 6,808         | 1,211          | 22.9           |

No. 602.—**ANNUAL PRODUCTION AND VALUE OF PRINCIPAL CROPS: HAY, TOBACCO, CRANBERRIES, ORANGES, ONIONS, AND CABBAGE**  
OF THE DEPARTMENT OF AGRICULTURE.—Continued

| Twenty average<br>years of year | Hay (tame)               |                  |                  |                      |  | Tobacco                   |                     |                  |                      |   |
|---------------------------------|--------------------------|------------------|------------------|----------------------|--|---------------------------|---------------------|------------------|----------------------|---|
|                                 | Area                     | Production       | Value            | Yield<br>per<br>acre | Unit<br>price                            | Area                      | Production          | Value            | Yield<br>per<br>acre | Unit<br>price                           |
|                                 | 1,000<br>acres           | 1,000<br>tons    | 1,000<br>dollars | Short<br>tons        | Dollars<br>per ton                       | 1,000<br>acres            | 1,000<br>pounds     | 1,000<br>dollars | Lbs.                 | Cents<br>per lb.                        |
| 1888-1895                       | 20,418                   | 34,929           | 286,821          | 1.22                 | 11.61                                    |                           |                     |                  |                      |   |
| 1896-1898                       | 31,124                   | 38,723           | 352,577          | 1.24                 | 9.11                                     |                           |                     |                  |                      |   |
| 1899-1900                       | 40,127                   | 47,401           | 420,673          | 1.18                 | 8.87                                     |                           |                     |                  |                      |   |
| 1901-1902                       | 42,128                   | 53,142           | 453,405          | 1.28                 | 7.86                                     |                           |                     |                  |                      |   |
| 1903-1904                       | 43,313                   | 60,287           | 606,797          | 1.51                 | 9.19                                     | 988                       | 750,049             | 45,053           | 800                  | 7.5                                     |
| 1905-1910                       | 50,048                   | 72,161           | 777,730          | 1.44                 | 10.81                                    | 1,081                     | 851,433             | 84,468           | 826                  | 10.0                                    |
| 1911-1915                       | 49,395                   | 69,549           | 820,282          | 1.41                 | 12.06                                    | 1,210                     | 962,723             | 101,880          | 813                  | 12.4                                    |
| 1916-1920                       | 56,334                   | 63,073           | 1,456,902        | 1.51                 | 17.26                                    | 1,696                     | 1,377,856           | 855,786          | 812                  | 25.8                                    |
| 1921-1925                       | 59,835                   | 90,159           | 1,200,176        | 1.51                 | 13.31                                    | 1,692                     | 1,291,923           | 262,897          | 763                  | 20.2                                    |
| 1912                            | 49,380                   | 72,601           | 656,695          | 1.47                 | 11.79                                    | 1,228                     | 962,855             | 104,063          | 786                  | 18.3                                    |
| 1913                            | 49,964                   | 64,116           | 797,077          | 1.31                 | 12.43                                    | 1,216                     | 952,734             | 122,481          | 784                  | 18.3                                    |
| 1914                            | 49,145                   | 70,071           | 779,068          | 1.43                 | 11.13                                    | 1,224                     | 1,034,679           | 101,411          | 846                  | 8.8                                     |
| 1915                            | 51,108                   | 63,930           | 913,644          | 1.68                 | 10.63                                    | 1,370                     | 1,062,287           | 95,281           | 775                  | 6.1                                     |
| 1916                            | 55,721                   | 91,192           | 1,022,930        | 1.64                 | 11.22                                    | 1,413                     | 1,153,278           | 169,672          | 816                  | 14.7                                    |
| 1917                            | 56,208                   | 93,308           | 1,423,786        | 1.51                 | 17.09                                    | 1,513                     | 1,249,276           | 301,443          | 823                  | 24.9                                    |
| 1918                            | 55,756                   | 76,600           | 1,543,494        | 1.27                 | 20.13                                    | 1,647                     | 1,489,071           | 402,264          | 874                  | 25.8                                    |
| 1919                            | 56,338                   | 86,997           | 1,744,547        | 1.43                 | 20.05                                    | 1,951                     | 1,465,481           | 570,869          | 731                  | 20.0                                    |
| 1920                            | 58,101                   | 89,785           | 1,585,355        | 1.55                 | 17.65                                    | 1,960                     | 1,582,225           | 335,675          | 807                  | 21.2                                    |
| 1921                            | 58,769                   | 82,458           | 968,069          | 1.40                 | 12.10                                    | 1,427                     | 1,069,698           | 212,728          | 789                  | 19.9                                    |
| 1922                            | 61,169                   | 93,748           | 1,302,063        | 1.57                 | 12.55                                    | 1,686                     | 1,246,887           | 289,243          | 736                  | 20.2                                    |
| 1923                            | 59,668                   | 59,260           | 1,261,480        | 1.49                 | 14.13                                    | 1,877                     | 1,515,110           | 301,096          | 807                  | 12.9                                    |
| 1924                            | 61,147                   | 97,022           | 1,344,129        | 1.60                 | 13.77                                    | 1,706                     | 1,251,343           | 259,139          | 734                  | 20.7                                    |
| 1925                            | 58,381                   | 85,717           | 1,195,131        | 1.47                 | 13.94                                    | 1,757                     | 1,376,626           | 280,774          | 783                  | 18.3                                    |
| 1926                            | 58,791                   | 96,497           | 1,218,319        | 1.47                 | 14.09                                    | 1,666                     | 1,267,889           | 284,703          | 764                  | 18.3                                    |
| 1927                            | 61,196                   | 108,219          | 1,205,650        | 1.74                 | 11.56                                    | 1,610                     | 1,237,533           | 294,256          | 789                  | 21.6                                    |
|                                 | Cranberries              |                  |                  |                      |  | Oranges <sup>1</sup>      |                     |                  |                      |   |
|                                 | 1,000<br>acres           | 1,000<br>barrels | 1,000<br>dollars | Bar-<br>rels         | Dol-<br>lars<br>per<br>barrel            | 1,000<br>boxes            | 1,000<br>dollars    |                  |                      | Dol-<br>lars<br>per<br>box              |
| 1916-1920                       | 24                       | 414              | 3,980            | 17.1                 | 9.80                                     | 22,291                    | 80,722              |                  |                      | 2.09                                    |
| 1921-1925                       | 27                       | 549              | 5,749            | 20.5                 | 10.46                                    | 20,942                    | 65,414              |                  |                      | 2.15                                    |
| 1915                            | 25                       | 441              | 2,808            | 19.1                 | 6.59                                     | 21,200                    | 80,092              |                  |                      | 2.39                                    |
| 1916                            | 26                       | 471              | 3,449            | 18.0                 | 7.32                                     | 24,433                    | 61,468              |                  |                      | 2.53                                    |
| 1917                            | 18                       | 249              | 2,550            | 13.7                 | 10.24                                    | 10,593                    | 27,546              |                  |                      | 2.66                                    |
| 1918                            | 26                       | 332              | 3,791            | 13.9                 | 10.77                                    | 24,200                    | 84,480              |                  |                      | 2.46                                    |
| 1919                            | 26                       | 549              | 4,507            | 22.0                 | 8.37                                     | 23,192                    | 62,038              |                  |                      | 2.67                                    |
| 1920                            | 25                       | 449              | 5,514            | 18.0                 | 12.28                                    | 20,130                    | 65,645              |                  |                      | 2.14                                    |
| 1921                            | 26                       | 384              | 6,526            | 15.4                 | 16.99                                    | 21,028                    | 58,033              |                  |                      | 2.32                                    |
| 1922                            | 26                       | 560              | 5,702            | 22.4                 | 10.18                                    | 30,791                    | 54,492              |                  |                      | 2.09                                    |
| 1923                            | 28                       | 662              | 4,664            | 23.3                 | 7.16                                     | 26,465                    | 62,030              |                  |                      | 1.77                                    |
| 1924                            | 28                       | 582              | 5,486            | 20.8                 | 9.42                                     | 29,100                    | 52,960              |                  |                      | 1.86                                    |
| 1925                            | 28                       | 599              | 6,370            | 20.3                 | 11.20                                    | 33,300                    | 93,753              |                  |                      | 2.82                                    |
| 1926                            | 28                       | 744              | 5,428            | 26.1                 | 7.56                                     | 38,867                    | 114,293             |                  |                      | 2.94                                    |
| 1927                            | 28                       | 495              | 6,077            | 17.4                 | 12.28                                    | 32,540                    | 100,620             |                  |                      | 1.09                                    |
|                                 | Onions (commercial crop) |                  |                  |                      |  | Cabbage (commercial crop) |                     |                  |                      |   |
|                                 | 1,000<br>acres           | 1,000<br>bushels | 1,000<br>dollars | Bush-<br>els         | Cents<br>per<br>bush-<br>el <sup>1</sup> | 1,000<br>acres            | 1,000<br>short tons | 1,000<br>dollars | Short<br>tons        | Dol-<br>lars<br>per<br>ton <sup>1</sup> |
| 1919                            | 53                       | 14,548           | 23,461           | 277                  | 161                                      | 99                        | 646                 | 16,459           | 6.7                  | 25.49                                   |
| 1920                            | 66                       | 21,343           | 17,386           | 329                  | 81                                       | 124                       | 1,105               | 19,784           | 8.9                  | 17.99                                   |
| 1921                            | 57                       | 14,165           | 18,587           | 248                  | 131                                      | 106                       | 687                 | 18,903           | 6.6                  | 24.69                                   |
| 1922                            | 62                       | 18,763           | 15,876           | 296                  | 86                                       | 134                       | 1,060               | 13,288           | 8.1                  | 12.29                                   |
| 1923                            | 62                       | 17,306           | 23,343           | 279                  | 135                                      | 106                       | 806                 | 17,939           | 7.7                  | 22.27                                   |
| 1924                            | 65                       | 19,146           | 16,376           | 294                  | 86                                       | 118                       | 1,057               | 17,432           | 8.9                  | 16.32                                   |
| 1925                            | 65                       | 19,423           | 21,110           | 299                  | 108                                      | 119                       | 946                 | 16,496           | 8.0                  | 17.43                                   |
| 1926                            | 74                       | 20,945           | 15,603           | 282                  | 75                                       | 129                       | 1,034               | 18,356           | 8.0                  | 17.79                                   |
| 1927                            | 75                       | 22,576           | 17,547           | 299                  | 78                                       | 134                       | 1,163               | 18,392           | 8.4                  | 15.41                                   |

<sup>1</sup> Figures cover California (crop beginning Nov. 1 of year specified in stub) and Florida (crop year beginning Sept. 1), data including tangerines. Beginning 1919 Florida figures represent commercial shipments.

<sup>2</sup> Price for season.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 622—MINOR CROPS: AREA, PRODUCTION, AND FARM VALUE, BY STATES

[NOTE.—Totals for grain sorghum, beans, and broomcorn are for principal producing States only, including for beans a few States not shown separately. Farm values are for the most part as of Dec. 1.]

| Crop and State                                 | Acres          |                |                   | Yield per acre |              |                   | Production                 |                            |                            | Farm value       |                   | Average farm price, 1927 <sup>1</sup> |
|--|----------------|----------------|-------------------|----------------|--------------|-------------------|----------------------------|----------------------------|----------------------------|------------------|-------------------|---------------------------------------|
|  | 1925           | 1926           | 1927 <sup>1</sup> | 1925           | 1926         | 1927 <sup>1</sup> | 1925                       | 1926                       | 1927 <sup>1</sup>          | 1925             | 1927 <sup>1</sup> |                                       |
|  | Thous-<br>ands | Thous-<br>ands | Thous-<br>ands    | Bush-<br>els   | Bush-<br>els | Bush-<br>els      | 1,000<br>bushels           | 1,000<br>bushels           | 1,000<br>bushels           | 1,000<br>dollars | 1,000<br>dollars  |                                       |
| <b>Flaxseed, total</b>                         | 3,078          | 2,907          | 2,907             | 7.3            | 6.7          | 9.1               | 22,424                     | 19,535                     | 26,593                     | 37,510           | 49,373            | 186                                   |
| Wisconsin                                      | 11             | 11             | 9                 | 13.8           | 12.0         | 13.2              | 152                        | 132                        | 119                        | 264              | 236               | 190                                   |
| Minnesota                                      | 740            | 814            | 757               | 10.0           | 9.4          | 9.7               | 7,400                      | 7,652                      | 7,343                      | 15,074           | 14,009            | 192                                   |
| Iowa   | 10             | 15             | 21                | 10.5           | 11.6         | 13.0              | 105                        | 174                        | 273                        | 339              | 532               | 196                                   |
| North Dakota                                   | 1,461          | 1,380          | 1,242             | 6.5            | 5.5          | 8.2               | 9,496                      | 7,590                      | 10,184                     | 14,649           | 18,729            | 184                                   |
| South Dakota                                   | 559            | 475            | 594               | 6.8            | 5.8          | 10.0              | 3,801                      | 2,755                      | 5,940                      | 5,234            | 10,989            | 186                                   |
| Nebraska                                       | 6              | 7              | 7                 | 9.0            | 8.7          | 10.0              | 54                         | 61                         | 70                         | 113              | 122               | 175                                   |
| Kansas   | 45             | 38             | 31                | 6.8            | 4.9          | 5.5               | 305                        | 262                        | 170                        | 524              | 314               | 185                                   |
| Montana  | 244            | 185            | 239               | 4.5            | 4.2          | 10.2              | 1,006                      | 693                        | 2,438                      | 1,282            | 4,206             | 175                                   |
| Other States                                   | 2              | 12             | 17                | 6.0            | 8.0          | 6.5               | 12                         | 116                        | 146                        | 131              | 186               | 188                                   |
| <b>Grain sorghums (for all purposes) total</b> | 6,646          | 6,690          | 6,728             | 16.0           | 20.6         | 30.4              | 106,390                    | 137,515                    | 127,606                    | 74,065           | 84,908            | 93                                    |
| Missouri                                       | 40             | 94             | 113               | 15.0           | 18.0         | 24.0              | 600                        | 1,692                      | 2,712                      | 1,354            | 2,034             | 75                                    |
| Nebraska                                       | 20             | 22             | 30                | 15.0           | 10.0         | 23.5              | 300                        | 213                        | 705                        | 186              | 564               | 80                                    |
| Kansas   | 1,456          | 1,345          | 1,547             | 16.0           | 15.0         | 21.0              | 23,296                     | 20,175                     | 32,487                     | 12,105           | 19,492            | 60                                    |
| Oklahoma                                       | 1,745          | 1,817          | 1,744             | 12.5           | 19.0         | 20.0              | 21,812                     | 34,523                     | 34,890                     | 15,535           | 17,440            | 50                                    |
| Texas  | 2,798          | 2,854          | 2,654             | 18.0           | 25.0         | 21.0              | 50,364                     | 71,350                     | 55,734                     | 39,242           | 36,227            | 65                                    |
| Colorado                                       | 296            | 227            | 284               | 11.0           | 5.0          | 10.0              | 3,256                      | 1,135                      | 2,849                      | 661              | 1,846             | 65                                    |
| New Mexico                                     | 165            | 195            | 171               | 18.0           | 21.0         | 14.0              | 2,970                      | 4,095                      | 2,394                      | 1,638            | 1,913             | 80                                    |
| Arizona  | 40             | 40             | 60                | 20.0           | 31.0         | 30.0              | 800                        | 1,240                      | 1,800                      | 744              | 1,350             | 75                                    |
| California                                     | 88             | 96             | 130               | 34.0           | 32.0         | 31.2              | 2,992                      | 3,072                      | 4,068                      | 2,580            | 3,934             | 97                                    |
| <b>Beans, dry, total</b>                       | 1,606          | 1,646          | 1,606             | 12.4           | 10.8         | 10.8              | 19,985                     | 17,398                     | 16,878                     | 51,005           | 46,732            | 286                                   |
| New York                                       | 136            | 97             | 82                | 10.8           | 11.8         | 13.0              | 1,458                      | 1,146                      | 1,066                      | 4,236            | 3,944             | 270                                   |
| Michigan                                       | 639            | 552            | 566               | 13.5           | 12.0         | 9.0               | 8,626                      | 6,624                      | 5,004                      | 18,547           | 15,282            | 300                                   |
| Wisconsin                                      | 12             | 9              | 6                 | 11.0           | 7.5          | 6.7               | 132                        | 68                         | 40                         | 204              | 132               | 330                                   |
| Montana  | 37             | 43             | 55                | 12.5           | 10.0         | 17.0              | 462                        | 430                        | 953                        | 1,204            | 2,805             | 300                                   |
| Idaho  | 72             | 54             | 72                | 22.0           | 18.5         | 23.7              | 1,584                      | 999                        | 1,706                      | 2,597            | 4,265             | 250                                   |
| Colorado                                       | 320            | 350            | 297               | 7.0            | 3.0          | 5.5               | 2,240                      | 1,050                      | 1,578                      | 2,940            | 4,261             | 270                                   |
| New Mexico                                     | 114            | 195            | 195               | 3.5            | 4.3          | 5.0               | 399                        | 838                        | 975                        | 2,179            | 2,828             | 290                                   |
| California                                     | 240            | 306            | 296               | 19.0           | 18.8         | 16.3              | 4,560                      | 5,734                      | 4,825                      | 17,202           | 13,028            | 270                                   |
| <b>Broomcorn, total</b>                        | 323            | 306            | 319               | Lbs.<br>945    | Lbs.<br>947  | Lbs.<br>937       | Tons<br>29,500             | Tons<br>53,400             | Tons<br>36,679             | 4,309            | 3,899             | Dolls.<br>per<br>ton<br>100           |
| Illinois                                       | 30             | 40             | 25                | 560            | 420          | 350               | 8,400                      | 8,400                      | 4,375                      | 966              | 678               | 155                                   |
| Missouri                                       | 4              | 3              | 3                 | 322            | 250          | 400               | 600                        | 400                        | 600                        | 35               | 54                | 90                                    |
| Kansas   | 22             | 31             | 27                | 286            | 327          | 375               | 3,100                      | 5,100                      | 5,062                      | 434              | 486               | 95                                    |
| Oklahoma                                       | 106            | 158            | 92                | 205            | 375          | 350               | 11,100                     | 29,600                     | 16,100                     | 2,072            | 1,578             | 98                                    |
| Texas  | 11             | 15             | 12                | 318            | 410          | 220               | 1,700                      | 3,100                      | 1,320                      | 232              | 145               | 110                                   |
| Colorado                                       | 24             | 32             | 33                | 100            | 150          | 325               | 1,900                      | 2,400                      | 5,362                      | 199              | 643               | 120                                   |
| New Mexico                                     | 24             | 29             | 26                | 225            | 300          | 220               | 2,700                      | 4,400                      | 2,660                      | 264              | 315               | 110                                   |
| <b>Peanuts, total</b>                          | 956            | 643            | 1,129             | 729            | 750          | 766               | 1,000<br>pounds<br>896,475 | 1,000<br>pounds<br>431,815 | 1,000<br>pounds<br>866,893 | 28,161           | 35,193            | Cents<br>per lb.<br>4.1               |
| Virginia                                       | 138            | 138            | 152               | 1,040          | 990          | 810               | 143,520                    | 136,620                    | 123,120                    | 5,875            | 5,540             | 4.5                                   |
| North Carolina                                 | 185            | 180            | 211               | 1,150          | 1,080        | 997               | 212,750                    | 185,400                    | 210,367                    | 7,767            | 9,467             | 4.5                                   |
| South Carolina                                 | 11             | 8              | 11                | 430            | 675          | 775               | 4,730                      | 5,400                      | 8,525                      | 281              | 315               | 3.7                                   |
| Georgia  | 274            | 211            | 304               | 500            | 525          | 725               | 139,000                    | 110,775                    | 220,400                    | 5,426            | 8,595             | 3.9                                   |
| Florida  | 41             | 39             | 44                | 600            | 680          | 640               | 24,600                     | 36,520                     | 28,160                     | 1,193            | 1,042             | 3.7                                   |
| Tennessee                                      | 20             | 20             | 20                | 615            | 900          | 650               | 16,300                     | 18,000                     | 17,000                     | 630              | 714               | 4.2                                   |
| Alabama  | 180            | 140            | 230               | 560            | 570          | 680               | 100,800                    | 79,800                     | 149,600                    | 3,591            | 5,086             | 3.4                                   |
| Mississippi                                    | 14             | 8              | 9                 | 595            | 650          | 725               | 8,330                      | 5,200                      | 6,525                      | 296              | 392               | 5.0                                   |
| Arkansas                                       | 10             | 10             | 11                | 496            | 675          | 800               | 4,960                      | 6,750                      | 8,800                      | 406              | 528               | 5.0                                   |
| Louisiana                                      | 9              | 10             | 13                | 640            | 552          | 625               | 5,760                      | 5,520                      | 8,125                      | 342              | 496               | 6.1                                   |
| Oklahoma                                       | 7              | 8              | 20                | 700            | 800          | 800               | 4,900                      | 6,400                      | 16,000                     | 285              | 560               | 3.5                                   |
| Texas  | 65             | 71             | 117               | 506            | 640          | 600               | 32,825                     | 45,440                     | 70,200                     | 2,045            | 2,457             | 3.5                                   |

<sup>1</sup> Preliminary<sup>2</sup> One State only.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 693. -ORCHARD CROPS: PRODUCTION, TOTAL AND IN LEADING STATES

[In thousands of bushels]

| State         | 1909     | 1919     | 1925     | 1926     | 1927     | State             | 1909   | 1919    | 1925    | 1926    | 1927    |
|---------------|----------|----------|----------|----------|----------|-------------------|--------|---------|---------|---------|---------|
| APPLES        |          |          |          |          |          | PEACHES continued |        |         |         |         |         |
| U. S. . . .   | 146, 419 | 196, 941 | 172, 839 | 246, 584 | 199, 655 | Ohio . . . .      | 1, 034 | 618     | 1, 100  | 2, 130  | 1, 328  |
| Ma. . . . .   | 3, 018   | 4, 829   | 3, 105   | 2, 293   | 2, 336   | Ind. . . . .      | 1, 174 | 82      | 320     | 909     | 243     |
| N. H. . . .   | 1, 108   | 1, 384   | 1, 230   | 1, 240   | 1, 100   | Ill. . . . .      | 1, 228 | 430     | 600     | 2, 640  | 1, 123  |
| Vt. . . . .   | 1, 460   | 930      | 935      | 800      | 930      | Mich. . . .       | 1, 087 | 448     | 922     | 1, 364  | 579     |
| Mass. . . .   | 2, 550   | 3, 187   | 3, 180   | 4, 100   | 2, 530   | Mo. . . . .       | 1, 485 | 1, 263  | 870     | 1, 721  | 340     |
| Conn. . . .   | 1, 541   | 1, 395   | 1, 375   | 1, 900   | 1, 045   | Ky. . . . .       | 1, 623 | 460     | 570     | 1, 110  | 180     |
| N. Y. . . .   | 25, 409  | 14, 350  | 32, 500  | 40, 375  | 13, 600  | Tenn. . . .       | 1, 579 | 1, 285  | 1, 418  | 1, 680  | 634     |
| N. J. . . .   | 1, 407   | 1, 066   | 2, 000   | 4, 310   | 2, 697   | Ala. . . . .      | 1, 417 | 1, 083  | 1, 312  | 1, 159  | 540     |
| Pa. . . . .   | 11, 048  | 5, 513   | 7, 300   | 17, 000  | 6, 300   | Miss. . . .       | 1, 157 | 776     | 712     | 551     | 279     |
| Del. . . . .  | 183      | 608      | 1, 340   | 2, 376   | 1, 150   | Tex. . . . .      | 730    | 4, 621  | 1, 750  | 2, 310  | 800     |
| Md. . . . .   | 1, 023   | 1, 519   | 1, 900   | 3, 500   | 1, 700   | Okla. . . .       | 378    | 2, 925  | 950     | 160     | 780     |
| Va. . . . .   | 6, 104   | 8, 943   | 7, 844   | 19, 902  | 6, 000   | Ark. . . . .      | 1, 902 | 3, 341  | 2, 300  | 2, 400  | 1, 628  |
| W. Va. . .    | 4, 225   | 4, 189   | 4, 185   | 10, 875  | 5, 200   | Colo. . . .       | 692    | 721     | 450     | 976     | 692     |
| N. C. . . .   | 4, 776   | 1, 918   | 3, 192   | 5, 986   | 1, 825   | Utah . . . .      | 143    | 884     | 100     | 550     | 361     |
| Ga. . . . .   | 896      | 417      | 741      | 1, 827   | 595      | Wash. . . .       | 84     | 1, 545  | 870     | 1, 232  | 230     |
| Ohio . . . .  | 4, 664   | 2, 976   | 6, 300   | 11, 900  | 5, 600   | Oreg. . . .       | 179    | 504     | 222     | 384     | 160     |
| Ind. . . . .  | 2, 759   | 926      | 2, 430   | 4, 100   | 1, 249   | Calif. . . .      | 9, 267 | 3, 969  | 16, 418 | 22, 542 | 30, 300 |
| Ill. . . . .  | 1, 063   | 4, 673   | 7, 300   | 9, 000   | 4, 450   | Other States .    | 1, 094 | 2, 086  | 1, 706  | 2, 277  | 1, 464  |
| Mich. . . .   | 12, 332  | 5, 843   | 9, 000   | 9, 045   | 4, 288   | PEARS             |        |         |         |         |         |
| Wis. . . . .  | 2, 232   | 1, 306   | 2, 106   | 2, 158   | 1, 200   | U. S. . . .       | 5, 841 | 14, 804 | 90, 720 | 85, 249 | 16, 079 |
| Minn. . . .   | 1, 044   | 1, 028   | 820      | 1, 203   | 854      | N. Y. . . . .     | 1, 343 | 1, 830  | 2, 045  | 2, 068  | 1, 572  |
| Iowa . . . .  | 6, 747   | 1, 810   | 2, 400   | 3, 652   | 1, 720   | N. J. . . . .     | 463    | 402     | 512     | 645     | 420     |
| Mo. . . . .   | 9, 269   | 5, 132   | 4, 100   | 5, 015   | 2, 104   | Pa. . . . .       | 379    | 421     | 468     | 748     | 490     |
| Nebr. . . .   | 3, 321   | 907      | 450      | 700      | 850      | Del. . . . .      | 106    | 98      | 180     | 388     | 125     |
| Kans. . . .   | 1, 356   | 1, 740   | 1, 600   | 1, 428   | 1, 925   | Md. . . . .       | 267    | 267     | 280     | 340     | 113     |
| Ky. . . . .   | 7, 398   | 1, 281   | 2, 635   | 6, 428   | 720      | Va. . . . .       | 74     | 288     | 135     | 610     | 130     |
| Tenn. . . .   | 4, 040   | 1, 259   | 1, 984   | 5, 380   | 1, 152   | N. C. . . .       | 84     | 112     | 158     | 270     | 100     |
| Ala. . . . .  | 886      | 577      | 545      | 1, 328   | 328      | S. C. . . .       | 66     | 99      | 87      | 133     | 66      |
| Okla. . . .   | 742      | 1, 597   | 644      | 770      | 493      | Ga. . . . .       | 150    | 178     | 155     | 257     | 104     |
| Ark. . . . .  | 2, 296   | 7, 164   | 4, 315   | 3, 450   | 1, 015   | Ohio . . . .      | 375    | 137     | 354     | 430     | 250     |
| Colo. . . .   | 3, 559   | 3, 418   | 3, 200   | 3, 444   | 2, 592   | Ind. . . . .      | 320    | 109     | 209     | 328     | 140     |
| N. Mex. . .   | 417      | 939      | 1, 021   | 1, 147   | 456      | Ill. . . . .      | 240    | 375     | 540     | 818     | 312     |
| Utah . . . .  | 350      | 760      | 1, 300   | 817      | 660      | Mich. . . .       | 606    | 406     | 450     | 889     | 702     |
| Idaho . . . . | 660      | 3, 646   | 6, 029   | 4, 200   | 6, 000   | Mo. . . . .       | 143    | 431     | 342     | 473     | 270     |
| Wash. . . .   | 2, 672   | 21, 569  | 20, 550  | 34, 000  | 25, 343  | Kans. . . .       | 19     | 221     | 165     | 196     | 298     |
| Oreg. . . .   | 1, 831   | 6, 921   | 5, 400   | 8, 036   | 4, 500   | Ky. . . . .       | 252    | 55      | 85      | 164     | 34      |
| Calif. . . .  | 4, 935   | 7, 842   | 6, 016   | 10, 350  | 7, 458   | Tenn. . . .       | 84     | 115     | 148     | 305     | 125     |
| Other States  | 1, 978   | 2, 360   | 1, 537   | 2, 472   | 1, 540   | Ala. . . . .      | 100    | 163     | 157     | 211     | 83      |
| PEACHES       |          |          |          |          |          | Miss. . . .       | 101    | 121     | 180     | 160     | 120     |
| U. S. . . .   | 34, 476  | 50, 696  | 46, 542  | 69, 885  | 45, 463  | Tex. . . . .      | 111    | 637     | 366     | 560     | 343     |
| N. Y. . . .   | 1, 736   | 1, 262   | 1, 920   | 2, 300   | 1, 140   | Okla. . . .       | 7      | 200     | 166     | 81      | 130     |
| N. J. . . .   | 441      | 1, 653   | 1, 740   | 3, 000   | 2, 304   | Ark. . . . .      | 38     | 124     | 89      | 116     | 70      |
| Pa. . . . .   | 1, 024   | 1, 100   | 600      | 2, 498   | 947      | Colo. . . .       | 133    | 289     | 510     | 564     | 480     |
| Md. . . . .   | 323      | 564      | 340      | 700      | 352      | Wash. . . .       | 311    | 1, 729  | 2, 300  | 3, 220  | 1, 578  |
| Va. . . . .   | 243      | 622      | 362      | 1, 176   | 430      | Oreg. . . .       | 375    | 781     | 1, 500  | 2, 100  | 1, 900  |
| W. Va. . .    | 329      | 709      | 100      | 1, 000   | 202      | Calif. . . .      | 1, 928 | 3, 963  | 7, 542  | 8, 625  | 7, 333  |
| N. C. . . .   | 1, 344   | 479      | 1, 500   | 2, 260   | 1, 300   | Other States      | 546    | 615     | 586     | 696     | 527     |
| S. C. . . .   | 643      | 300      | 740      | 1, 054   | 615      |                   |        |         |         |         |         |
| Ga. . . . .   | 2, 565   | 4, 789   | 7, 304   | 9, 400   | 5, 943   |                   |        |         |         |         |         |

Source: 1909 and 1919, enumerations of Bureau of the Census; 1925, 1926, and 1927, estimates of Department of Agriculture.

## No. 624.—ORCHARD CROPS: UNITED STATES PRODUCTION

(In thousands of bushels)

| Yearly average or year | Apples  | Peaches | Pears  | Year          | Apples  | Peaches | Pears  |
|------------------------|---------|---------|--------|---------------|---------|---------|--------|
| 1891-1895              | 157,693 |         |        | 1909 (census) | 145,412 | 35,470  | 8,841  |
| 1896-1900              | 179,143 |         |        | 1919 (census) | 136,561 | 50,686  | 14,304 |
| 1901-1905              | 182,672 | 38,166  |        | 1921          | 99,002  | 32,602  | 11,397 |
| 1906-1910              | 154,454 | 39,684  |        | 1922          | 302,702 | 55,852  | 20,706 |
| 1911-1915              | 215,572 | 49,027  | 11,341 | 1923          | 202,842 | 43,382  | 17,845 |
| 1916-1920              | 179,206 | 43,632  | 14,066 | 1924          | 171,725 | 53,848  | 18,866 |
| 1921-1925              | 169,732 | 46,849  | 17,887 | 1925          | 172,389 | 46,562  | 20,720 |
|                        |         |         |        | 1926          | 246,524 | 69,665  | 25,249 |
| 1899 (census)          | 175,898 | 15,433  | 6,635  | 1927          | 123,455 | 45,463  | 18,072 |

## No. 625.—ORCHARD CROPS: FARM PRICES PER BUSHEL

| Division and State | Apples, Dec 1 |        |        |        |        | Peaches <sup>1</sup> |        |        |        |        | Pears <sup>1</sup> |        |        |
|--------------------|---------------|--------|--------|--------|--------|----------------------|--------|--------|--------|--------|--------------------|--------|--------|
|                    | 1916          | 1924   | 1925   | 1926   | 1927   | 1916                 | 1924   | 1925   | 1926   | 1927   | 1925               | 1926   | 1927   |
| United States      | \$0.90        | \$1.16 | \$1.36 | \$0.75 | \$1.36 | \$1.06               | \$1.26 | \$1.38 | \$1.00 | \$1.19 | \$1.40             | \$0.89 | \$1.32 |
| New England        |               |        |        |        |        |                      |        |        |        |        |                    |        |        |
| Maine              | .80           | .86    | .91    | .85    | 1.00   |                      |        |        |        |        | 1.00               | 1.50   | 1.70   |
| New Hampshire      | .80           | 1.13   | 1.20   | .90    | 1.30   |                      |        | 2.00   | 1.50   | 2.20   | 1.58               | 1.65   | 1.70   |
| Vermont            | .93           | 1.38   | 1.65   | 1.20   | 1.50   |                      |        |        |        |        | 1.62               | 2.00   | 2.15   |
| Massachusetts      | .90           | 1.23   | 1.50   | .90    | 1.40   |                      | 2.30   | 2.50   | 1.80   | 2.10   | 1.65               | 1.80   | 1.75   |
| Rhode Island       | .89           | 1.38   | 1.70   | 1.00   | 1.80   |                      | 2.30   | 2.00   | 1.70   | 2.10   | 1.75               | 1.60   | 1.80   |
| Connecticut        | .80           | 1.39   | 1.65   | 1.00   | 1.70   |                      | 2.10   | 2.80   | 1.70   | 2.20   | 2.00               | 1.90   | 2.00   |
| Middle Atlantic    |               |        |        |        |        |                      |        |        |        |        |                    |        |        |
| New York           | 1.00          |        | 1.12   | .55    | 1.45   | 1.37                 | 1.93   | 1.90   | .90    | 1.90   | 1.55               | 1.25   | 1.50   |
| New Jersey         | .78           | 1.34   | 1.40   | .70    | 1.45   | 1.28                 | 1.79   | 1.50   | .79    | 1.50   | 1.70               | .85    | 1.00   |
| Pennsylvania       | .75           | 1.30   | 1.46   | .80    | 1.40   | 1.37                 | 1.91   | 2.40   | 1.00   | 2.00   | 1.53               | 1.15   | 1.50   |
| South Atlantic     |               |        |        |        |        |                      |        |        |        |        |                    |        |        |
| Delaware           |               | 1.00   | 1.30   | .50    | 1.00   |                      | 1.40   | 1.55   | .55    | 1.10   | 1.00               | .40    | .60    |
| Maryland           | .65           | .98    | 1.15   | .50    | 1.25   | .91                  | 1.36   | 1.85   | .75    | 1.50   | 1.00               | .55    | .90    |
| Virginia           | .80           | .84    | 1.12   | .53    | 1.35   | .99                  | 1.20   | 1.80   | 1.00   | 1.60   | 1.30               | .80    | 1.15   |
| West Virginia      | .78           | .95    | 1.32   | .70    | 1.60   | 1.12                 | 1.60   | 2.20   | 1.25   | 2.10   | 1.70               | 1.15   | 1.65   |
| North Carolina     | .98           | 1.08   | 1.33   | .85    | 1.65   | .85                  | 1.28   | 1.60   | .90    | 1.70   | 1.70               | 1.15   | 1.35   |
| South Carolina     | 1.00          | 1.23   | 1.70   | 1.40   | 1.75   | 1.03                 | 1.18   | 1.35   | 1.00   | 1.50   | 1.50               | 1.20   | 1.30   |
| Georgia            | 1.05          | 1.27   | 1.55   | .95    | 1.70   | 1.02                 | 1.01   | 1.40   | .80    | 1.35   | 1.50               | 1.05   | 1.35   |
| Florida            |               |        |        |        |        | 1.00                 | 1.70   | 1.65   | 1.60   | 1.75   | 1.25               | 1.25   | 1.15   |
| East North Central |               |        |        |        |        |                      |        |        |        |        |                    |        |        |
| Ohio               | .93           | 1.31   | 1.43   | .90    | 1.50   | 1.60                 | 2.03   | 2.15   | 1.25   | 1.95   | 1.25               | .85    | 1.25   |
| Indiana            | .90           | 1.52   | 1.45   | .95    | 1.80   | 1.37                 | 2.20   | 2.30   | 1.60   | 2.35   | 1.00               | .65    | 1.05   |
| Illinois           | 1.16          | 1.29   | 1.40   | .95    | 1.75   | 1.45                 | 2.20   | 2.50   | 1.25   | 2.05   | 1.20               | .75    | 1.10   |
| Michigan           | 1.02          | 1.14   | 1.00   | .65    | 1.50   | 1.39                 | 2.30   | 2.20   | 1.00   | 2.10   | 1.15               | .80    | 1.25   |
| Wisconsin          | 1.12          | 1.50   | 1.30   | 1.00   | 1.70   |                      |        |        |        |        | 1.50               | 1.30   |        |
| West North Central |               |        |        |        |        |                      |        |        |        |        |                    |        |        |
| Minnesota          | 1.62          | 1.60   | 1.65   | 1.20   | 1.40   |                      |        |        |        |        |                    |        |        |
| Iowa               | 1.30          | 1.42   | 1.70   | 1.30   | 1.95   | 2.17                 | 2.60   | 2.50   | 1.60   | 1.95   | 1.70               | 1.20   | 1.50   |
| Missouri           | .85           | 1.09   | 1.30   | 1.05   | 1.80   | 1.08                 | 1.40   | 1.80   | 1.25   | 1.90   | 1.20               | .80    | 1.15   |
| South Dakota       | 1.50          | 1.84   | 2.00   | 1.50   | 1.60   |                      |        |        |        |        |                    |        |        |
| Nebraska           | .96           | 1.43   | 1.95   | 1.50   | 1.40   | 1.33                 | 2.40   | 2.35   | 1.50   | 1.60   | 2.00               | 1.60   | 1.60   |
| Kansas             | .78           | 1.27   | 1.60   | 1.25   | 1.45   | 1.05                 | 2.00   | 1.85   | 1.70   | 1.75   | 1.50               | 1.25   | 1.10   |
| East South Central |               |        |        |        |        |                      |        |        |        |        |                    |        |        |
| Kentucky           | 1.00          | 1.07   | 1.65   | .90    | 1.30   | 1.21                 | 1.45   | 1.75   | 1.30   | 1.90   | 1.35               | .95    | 1.45   |
| Tennessee          | .92           | 1.23   | 1.60   | .85    | 1.30   | .92                  | 1.30   | 1.55   | 1.06   | 1.70   | 1.50               | 1.05   | 1.45   |
| Alabama            | .90           | 1.50   | 1.50   | 1.10   | 1.85   | .85                  | 1.17   | 1.60   | 1.10   | 1.50   | 1.40               | .90    | 1.30   |
| Mississippi        | 1.25          | 1.68   | 1.50   | 1.25   | 1.65   | .98                  | 1.79   | 1.55   | 1.40   | 1.65   | 1.30               | 1.15   | 1.10   |
| West South Central |               |        |        |        |        |                      |        |        |        |        |                    |        |        |
| Louisiana          |               | 1.62   | 2.00   | 1.00   | 1.30   | 1.00                 | 1.80   | 2.00   | 1.50   | 1.80   | 1.45               | 1.30   | 1.40   |
| Texas              | 1.30          | 1.55   | 1.60   | 1.25   | 2.10   | 1.06                 | 1.48   | 1.50   | 1.10   | 1.60   | 1.35               | .90    | 1.25   |
| Oklahoma           | 1.07          | 1.29   | 1.35   | 1.05   | 1.60   | .95                  | 1.02   | 1.35   | 1.30   | 1.30   | 1.60               | 1.40   | 1.30   |
| Arkansas           | 1.06          | 1.12   | .95    | .75    | 1.55   | 1.00                 | 1.02   | 1.50   | 1.05   | 1.40   | 1.45               | 1.25   | 1.30   |
| Mountain           |               |        |        |        |        |                      |        |        |        |        |                    |        |        |
| Montana            | 1.20          | 1.29   | 1.75   | 1.20   | 1.30   |                      |        |        |        |        |                    |        |        |
| Wyoming            |               | 1.38   | 2.00   | 1.25   | 1.50   |                      |        |        |        |        | 2.20               |        |        |
| Colorado           | 1.15          | 1.30   | 1.10   | .70    | 1.10   | 1.80                 | 1.60   | 1.90   | 1.10   | 1.20   | 1.15               | .65    | 1.40   |
| New Mexico         | 1.40          | 1.53   | 1.50   | .90    | 1.80   | 1.28                 | 1.90   | 1.75   | 1.80   | 2.20   | 1.70               | 1.50   | 1.70   |
| Arizona            | 1.91          | 1.42   | 2.20   | 1.40   | 1.90   |                      | 2.00   | 1.70   | 1.70   | 2.30   | 2.20               | 2.50   | 2.50   |
| Utah               | 1.30          | 1.23   | .90    | .80    | 1.10   | 1.40                 | 1.50   | 2.00   | .90    | 1.20   | 1.75               | 1.10   | 1.70   |
| Nevada             | 1.45          | 2.04   | 1.50   | 1.60   | 1.85   |                      | 1.75   | 2.25   | 1.60   | 2.30   | 2.00               | 2.00   | 2.50   |
| Idaho              | .99           | 1.20   | 1.05   | .70    | 1.10   |                      | 2.00   | 1.90   | 1.00   | 1.60   | 2.10               | 1.50   | 1.60   |
| Pacific            |               |        |        |        |        |                      |        |        |        |        |                    |        |        |
| Washington         | .80           | 1.40   | 1.30   | .75    | 1.30   | .90                  | 2.40   | 1.65   | .90    | 1.75   | 1.70               | .80    | 1.35   |
| Oregon             | 1.00          | 1.12   | 1.25   | .70    | 1.10   | 1.37                 | 1.50   | 1.80   | 1.30   | 1.60   | 1.60               | .85    | 1.40   |
| California         | .82           | 1.22   | 1.15   | .40    | .90    | 1.08                 | .84    | .88    | .64    | .60    | 1.25               | .84    | 1.30   |

<sup>1</sup> Seasonal.

Source of Tables 624 and 625: Bureau of Agricultural Economics, Department of Agriculture.

**No. 626.—SUGAR PRODUCTION: UNITED STATES, AND CERTAIN OUTLYING AREAS, AND WORLD TOTAL**  
 [In thousands of short tons]

| Yearly average, or<br>year ending June<br>30— | United<br>States<br>and<br>out-<br>lying<br>areas | United States |                                   |                          | Porto<br>Rico <sup>1</sup> | Hawaii <sup>2</sup> | Philip-<br>pine<br>Island <sup>3</sup> | World<br>total   | Per cent of<br>world total in— |  |
|---|---|---------------|-----------------------------------|--------------------------|----------------------------|---------------------|--|------------------|--------------------------------|--|
|   |   | Total         | Beet<br>(chiefly<br>re-<br>fined) | Cane<br>(chiefly<br>raw) |                            |                     |  |                  | United<br>States               | U. S.<br>and<br>out-<br>lying<br>areas |
| 1871-1875.....                                | 281   | 72            | ( <sup>4</sup> )                  | 72                       | 95                         | <sup>5</sup> 13     | 111                                    | ( <sup>6</sup> ) | ( <sup>6</sup> )               | ( <sup>6</sup> )                       |
| 1876-1880.....                                | 347   | 96            | ( <sup>4</sup> )                  | 96                       | 78                         | 20                  | 152                                    | ( <sup>6</sup> ) | ( <sup>6</sup> )               | ( <sup>6</sup> )                       |
| 1881-1885.....                                | 476   | 131           | 1                                 | 130                      | 87                         | 64                  | 195                                    | ( <sup>6</sup> ) | ( <sup>6</sup> )               | ( <sup>6</sup> )                       |
| 1886-1890.....                                | 542   | 153           | 1                                 | 152                      | 73                         | 119                 | 196                                    | ( <sup>6</sup> ) | ( <sup>6</sup> )               | ( <sup>6</sup> )                       |
| 1891-1895.....                                | 759   | 285           | 14                                | 271                      | 63                         | 145                 | 266                                    | ( <sup>6</sup> ) | ( <sup>6</sup> )               | ( <sup>6</sup> )                       |
| 1896-1900.....                                | 812   | 327           | 48                                | 279                      | 56                         | 256                 | 174                                    | 10,844           | 3.0                            | 7.5                                    |
| 1901-1905.....                                | 1,141   | 542           | 194                               | 348                      | 115                        | 389                 | 94                                     | 13,321           | 4.1                            | 8.6                                    |
| 1906-1910.....                                | 1,685   | 801           | 440                               | 361                      | 255                        | 489                 | 141                                    | 15,784           | 5.1                            | 10.7                                   |
| 1911-1915.....                                | 2,202   | 937           | 652                               | 285                      | 363                        | 593                 | 309                                    | 19,796           | 4.7                            | 11.1                                   |
| 1916-1920.....                                | 2,517   | 1,009         | 789                               | 220                      | 466                        | 594                 | 447                                    | 18,910           | 5.3                            | 13.3                                   |
| 1921-1925.....                                | 2,846   | 1,162         | 951                               | 211                      | 477                        | 622                 | 585                                    | 22,101           | 5.3                            | 12.9                                   |
| 1921.....                                     | 2,885   | 1,265         | 1,089                             | 176                      | 490                        | 522                 | 608                                    | 19,563           | 6.5                            | 14.7                                   |
| 1922.....                                     | 2,882   | 1,348         | 1,020                             | 328                      | 408                        | 592                 | 533                                    | 20,577           | 6.6                            | 14.0                                   |
| 1923.....                                     | 2,362   | 971           | 675                               | 296                      | 379                        | 537                 | 475                                    | 20,861           | 4.7                            | 11.3                                   |
| 1924.....                                     | 2,713   | 1,046         | 881                               | 165                      | 448                        | 691                 | 529                                    | 22,833           | 4.6                            | 11.9                                   |
| 1925.....                                     | 3,387   | 1,178         | 1,090                             | 88                       | 660                        | 769                 | 780                                    | 26,671           | 4.4                            | 12.7                                   |
| 1926.....                                     | 3,050   | 1,052         | 913                               | <sup>7</sup> 139         | 603                        | 787                 | 607                                    | 27,727           | 3.8                            | 11.0                                   |
| 1927.....                                     | 3,038   | 944           | 897                               | <sup>7</sup> 47          | 629                        | 811                 | <sup>8</sup> 654                       | 26,335           | 3.6                            | 11.5                                   |
| 1928 (preliminary).....                       | 3,312   | 1,138         | 1,060                             | <sup>7</sup> 78          | 673                        | <sup>8</sup> 829    | <sup>8</sup> 672                       | 27,644           | 4.1                            | 12.0                                   |

<sup>1</sup> For 1900 to 1906, shipments to the United States. <sup>2</sup> Statistics for 1874 to 1880 represent exports.

<sup>3</sup> Exports 1871 to 1911, production 1912 and subsequently. <sup>4</sup> Less than 500. <sup>5</sup> One year only.

<sup>6</sup> Not available. <sup>7</sup> Louisiana only. <sup>8</sup> Trade reports of commercial crop. <sup>9</sup> Unofficial.

Source: Bureau of Agricultural Economics, Department of Agriculture.

**No. 627.—SUGAR: PRODUCTION, TRADE, AND SUPPLY AVAILABLE FOR CONSUMPTION, CONTINENTAL UNITED STATES**

| Yearly average or<br>year ending June<br>30— | Produc-<br>tion <sup>1</sup> | Brought in<br>from<br>insular<br>areas <sup>2</sup> | Imports as<br>sugar <sup>3</sup> | Domestic<br>exports as<br>sugar <sup>4</sup> | Exports in<br>other<br>forms <sup>5</sup> | Available for con-<br>sumption <sup>6</sup> |            |
|--|------------------------------|---|----------------------------------|--|---|---|------------|
|  |                              |   |                                  |  |   | Total                                       | Per capita |
|  |                              |   |                                  |  |   |   |            |
| In terms of raw sugar                        |                              |   |                                  |  |   |   |            |
|  | Short tons                   | Short tons  | Short tons                       | Short tons                                   | Short tons                                | Short tons                                  | Pounds     |
| 1871-1875.....                               | 72,508                       |   | 777,685                          | 5,269  | (7)                                       | 844,924                                     | 40.7       |
| 1876-1880.....                               | 96,444                       |   | 830,375                          | 23,820                                       | (7)                                       | 902,999                                     | 38.1       |
| 1881-1885.....                               | 131,073                      |   | 1,151,724                        | 39,347                                       | (7)                                       | 1,243,449                                   | 46.5       |
| 1886-1890.....                               | 152,879                      |   | 1,414,647                        | 43,136                                       | (7)                                       | 1,524,389                                   | 50.9       |
| 1891-1895.....                               | 284,346                      |   | 1,864,201                        | 16,903                                       | (7)                                       | 2,131,644                                   | 64.3       |
| 1896-1900.....                               | 326,362                      |   | 1,943,678                        | 5,660  | (7)                                       | 2,264,380                                   | 62.2       |
| 1901-1905.....                               | 512,788                      | 500,764   | 1,839,377                        | 7,301  | (7)                                       | 2,875,638                                   | 71.7       |
| 1906-1910.....                               | 808,015                      | 751,650   | 1,956,304                        | 32,423                                       | (7)                                       | 3,483,547                                   | 78.9       |
| 1911-1915.....                               | 985,511                      | 1,038,605   | 2,187,469                        | 91,554                                       | 15,164                                    | 4,104,886                                   | 85.7       |
| 1916-1920.....                               | 1,069,086                    | 1,066,272   | 2,834,957                        | 642,023                                      | 44,538                                    | 4,283,754                                   | 83.3       |
| 1921-1925.....                               | 1,232,959                    | 1,311,489   | 3,721,100                        | 448,697                                      | 36,102                                    | 5,783,849                                   | 104.4      |
| 1911.....                                    | 903,475                      | 943,701   | 1,815,279                        | 36,597                                       | 15,966                                    | 3,639,891                                   | 78.3       |
| 1912.....                                    | 1,005,337                    | 1,187,663   | 1,832,424                        | 50,380                                       | 15,160                                    | 3,950,883                                   | 83.9       |
| 1913.....                                    | 907,070                      | 1,026,972   | 2,266,426                        | 30,963                                       | 19,217                                    | 4,150,288                                   | 86.6       |
| 1914.....                                    | 1,088,844                    | 936,376   | 2,463,252                        | 37,190                                       | 11,892                                    | 4,439,489                                   | 91.3       |
| 1915.....                                    | 1,022,828                    | 1,098,314   | 2,529,963                        | 302,641                                      | 13,585                                    | 4,334,878                                   | 87.9       |
| 1916.....                                    | 1,078,407                    | 1,102,057   | 2,689,067                        | 882,864                                      | 12,213                                    | 3,974,458                                   | 79.4       |
| 1917.....                                    | 1,193,107                    | 1,203,938   | 2,527,984                        | 676,752                                      | 29,211                                    | 4,219,066                                   | 83.2       |
| 1918.....                                    | 1,068,437                    | 975,684   | 2,344,816                        | 305,429                                      | 46,131                                    | 4,037,377                                   | 78.5       |
| 1919.....                                    | 1,102,421                    | 1,073,944   | 2,799,962                        | 568,566                                      | 36,747                                    | 4,371,013                                   | 83.4       |
| 1920.....                                    | 903,060                      | 975,735   | 3,812,955                        | 776,502                                      | 98,386                                    | 4,816,862                                   | 91.1       |
| 1921.....                                    | 1,346,811                    | 1,076,342   | 3,228,279                        | 319,589                                      | 89,491                                    | 5,242,852                                   | 97.6       |
| 1922.....                                    | 1,424,726                    | 1,340,867   | 3,940,777                        | 1,085,319                                    | 31,397                                    | 5,589,624                                   | 102.4      |
| 1923.....                                    | 1,021,360                    | 1,235,049   | 4,068,205                        | 412,196                                      | 12,568                                    | 5,890,849                                   | 106.5      |
| 1924.....                                    | 1,111,898                    | 1,274,870   | 3,436,955                        | 152,883                                      | 24,617                                    | 5,646,223                                   | 100.2      |
| 1925.....                                    | 1,260,000                    | 1,645,319   | 3,931,282                        | 273,470                                      | 22,436                                    | 6,540,695                                   | 114.2      |
| 1926.....                                    | 1,121,000                    | 1,981,482   | 3,895,947                        | 325,804                                      | 24,998                                    | 6,647,627                                   | 114.4      |
| 1927.....                                    | 1,011,000                    | 1,689,347   | 3,968,880                        | 447,055                                      | (7)                                       | (8)   | (9)        |
| 1928 (preliminary).....                      | 1,217,000                    | (7)   | (7)                              | (7)  | (7)                                       | (8)   | (9)        |

<sup>1</sup> Beet and cane sugar only.

<sup>2</sup> Includes Hawaii, Porto Rico, and the Philippine Islands; Virgin Islands included after 1916.

<sup>3</sup> Sugar imported in other forms excluded. Imports from the Philippine Islands excluded after 1900; reexports deducted.

<sup>4</sup> Includes shipments to Hawaii and Porto Rico. Excludes direct exports from them to foreign countries.

<sup>5</sup> Sugar used in the manufacture of other commodities for exports on which drawback was paid.

<sup>6</sup> Stocks at the beginning or end of year ignored. <sup>7</sup> Not computed. <sup>8</sup> Not yet available.

**No. 627.—SUGAR: PRODUCTION, TRADE, AND SUPPLY AVAILABLE FOR CONSUMPTION, CONTINENTAL UNITED STATES—Continued**

| Yearly average or<br>year ending June<br>30— | Produce-<br>tion                       | Brought in<br>from insular<br>areas | Imports<br>as sugar | Domestic<br>exports as<br>sugar | Exports<br>in other<br>forms | Available for con-<br>sumption |                  |
|--|--|-------------------------------------|---------------------|---------------------------------|------------------------------|--------------------------------|------------------|
|  |  |                                     |                     |                                 |                              | Total                          | Per capita       |
|  | In terms of refined sugar <sup>1</sup> |                                     |                     |                                 |                              |                                |                  |
|  | Short tons                             | Short tons                          | Short tons          | Short tons                      | Short tons                   | Short tons                     | Pounds           |
| 1922   | 1,325,906                              | 1,260,894                           | 3,686,397           | 1,004,377                       | 29,182                       | 5,234,638                      | 96.9             |
| 1923   | 950,625                                | 1,161,351                           | 3,805,745           | 332,439                         | 11,682                       | 5,322,600                      | 98.7             |
| 1924   | 1,034,615                              | 1,198,777                           | 3,214,883           | 142,217                         | 22,943                       | 5,283,115                      | 98.7             |
| 1925   | 1,172,000                              | 1,547,567                           | 3,674,563           | 254,391                         | 20,911                       | 6,118,648                      | 106.8            |
| 1926   | 1,043,000                              | 1,859,332                           | 3,634,323           | 303,073                         | 23,298                       | 6,210,284                      | 106.8            |
| 1927   | 941,000                                | 1,588,981                           | 3,714,054           | 415,865                         | ( <sup>2</sup> )             | ( <sup>2</sup> )               | ( <sup>2</sup> ) |
| 1928 (preliminary)                           | 1,133,000                              | ( <sup>2</sup> )                    | ( <sup>2</sup> )    | ( <sup>2</sup> )                | ( <sup>2</sup> )             | ( <sup>2</sup> )               | ( <sup>2</sup> ) |

<sup>1</sup> Not yet available.

<sup>2</sup> Raw sugar converted to refined by multiplying by the following factors: Cuba and Hawaii, 0.9966; Porto Rico, 0.9393; Philippine Islands, 0.95; all others, 0.962.

**No. 628.—SUGAR: PER CENT OF WORLD PRODUCTION RETAINED FOR CONSUMPTION AND THE SOURCE**

| Yearly average or year ending June 30— | Per cent of world production retained for consumption | Per cent of consumption from — |                          |                       | Yearly average or year ending June 30— | Per cent of world production retained for consumption | Per cent of consumption from — |                          |                       |
|--|---|--------------------------------|--------------------------|-----------------------|--|---|--------------------------------|--------------------------|-----------------------|
|  |   | Domestic                       | Non-contiguous territory | All foreign countries |  |   | Domestic                       | Non-contiguous territory | All foreign countries |
| 1866-1870                              | ( <sup>2</sup> )                                      | 6.6                            | 14.1                     | 80.3                  | 1912                                   | 22.0  | 24.4                           | 30.2                     | 45.4                  |
| 1871-1875                              | ( <sup>2</sup> )                                      | 8.8                            | 13.4                     | 78.0                  | 1913                                   | 20.2  | 20.8                           | 24.9                     | 54.3                  |
| 1876-1880                              | ( <sup>2</sup> )                                      | 10.7                           | 13.5                     | 75.8                  | 1914                                   | 20.9  | 23.5                           | 21.3                     | 55.2                  |
| 1881-1885                              | ( <sup>2</sup> )                                      | 10.5                           | 17.1                     | 72.4                  | 1915                                   | 20.7  | 22.5                           | 25.5                     | 52.0                  |
| 1886-1890                              | ( <sup>2</sup> )                                      | 10.0                           | 18.8                     | 71.2                  | 1916                                   | 21.1  | 25.4                           | 27.7                     | 46.9                  |
| 1891-1895                              | ( <sup>2</sup> )                                      | 13.3                           | 11.1                     | 75.6                  | 1917                                   | 22.8  | 26.7                           | 28.5                     | 44.8                  |
| 1896-1900                              | 20.9  | 14.4                           | 13.4                     | 72.1                  | 1918                                   | 19.9  | 25.0                           | 24.1                     | 50.9                  |
| 1901-1905                              | 21.6  | 18.9                           | 17.4                     | 68.7                  | 1919                                   | 23.4  | 23.7                           | 24.4                     | 51.9                  |
| 1906-1910                              | 22.0  | 23.0                           | 21.6                     | 55.3                  | 1920                                   | 27.0  | 17.4                           | 20.1                     | 62.5                  |
| 1911-1915                              | 20.6  | 23.0                           | 25.6                     | 51.4                  | 1921                                   | 26.9  | 24.0                           | 20.4                     | 55.6                  |
| 1916-1920                              | 22.8  | 23.5                           | 24.8                     | 51.8                  | 1922                                   | 27.3  | 24.0                           | 23.9                     | 52.1                  |
| 1921-1925                              | 26.1  | 20.1                           | 22.8                     | 57.2                  | 1923                                   | 26.2  | 16.5                           | 21.0                     | 62.6                  |
| 1926                                   | 21.7  | 26.1                           | 24.0                     | 49.9                  | 1924                                   | 24.8  | 16.6                           | 22.7                     | 58.7                  |
| 1927                                   | 22.9  | 23.1                           | 21.9                     | 55.0                  | 1925                                   | 24.3  | 18.1                           | 25.3                     | 56.5                  |
| 1928                                   | 21.8  | 23.2                           | 25.5                     | 51.3                  | 1926                                   | 23.8  | 15.9                           | 29.9                     | 54.3                  |
| 1929                                   | 19.2  | 23.9                           | 26.1                     | 50.0                  | 1927                                   | 24.2  | 14.8                           | 26.5                     | 58.8                  |

<sup>1</sup> Exports assumed to be wholly from sugar imported from foreign countries. <sup>2</sup> Not available.

**No. 629.—SUGAR: WHOLESALE PRICES OF RAW AND REFINED, NEW YORK**  
(Cents per pound)

| Yearly average or year | Raw 96° centrifugal | Refined, granulated | Month | Raw 96° centrifugal | Refined, granulated | Month | Raw 96° centrifugal | Refined, granulated | Month | Raw 96° centrifugal | Refined, granulated |
|------------------------|---------------------|---------------------|-------|---------------------|---------------------|-------|---------------------|---------------------|-------|---------------------|---------------------|
| 1891-1905              | 3.4                 | 4.4                 | 1925  |                     |                     | 1926  |                     |                     | 1927  |                     |                     |
| 1896-1900              | 4.0                 | 4.8                 | Jan.  | 4.6                 | 6.1                 | Jan.  | 4.2                 | 5.1                 | Jan.  | 5.1                 | 6.2                 |
| 1901-1905              | 3.9                 | 4.8                 | Feb.  | 4.6                 | 5.8                 | Feb.  | 4.2                 | 5.1                 | Feb.  | 4.9                 | 6.0                 |
| 1906-1910              | 3.9                 | 4.7                 | Mar.  | 4.7                 | 5.9                 | Mar.  | 4.0                 | 4.9                 | Mar.  | 4.6                 | 5.8                 |
| 1911-1915              | 4.1                 | 5.0                 | Apr.  | 4.5                 | 5.8                 | Apr.  | 4.1                 | 5.2                 | Apr.  | 4.8                 | 5.8                 |
| 1916-1920              | 7.8                 | 8.6                 | May   | 4.3                 | 5.5                 | May   | 4.2                 | 5.5                 | May   | 4.4                 | 6.0                 |
| 1921-1925              | 5.4                 | 6.7                 | June  | 4.4                 | 5.5                 | June  | 4.1                 | 5.4                 | June  | 4.6                 | 6.0                 |
| 1926                   | 12.0                | 12.6                |       |                     |                     |       | 5.6                 |                     |       |                     |                     |
| 1927                   | 4.8                 | 6.2                 | July  | 4.3                 | 5.3                 | July  | 4.2                 | 5.5                 | July  | 4.5                 | 5.9                 |
| 1928                   | 4.7                 | 5.9                 | Aug.  | 4.4                 | 5.4                 | Aug.  | 4.2                 | 5.6                 | Aug.  | 4.5                 | 5.6                 |
| 1929                   | 7.0                 | 8.4                 | Sept. | 4.3                 | 5.4                 | Sept. | 4.4                 | 5.7                 | Sept. | 4.7                 | 5.8                 |
| 1930                   | 6.0                 | 7.6                 | Oct.  | 3.9                 | 5.0                 | Oct.  | 4.6                 | 5.8                 | Oct.  | 4.7                 | 5.7                 |
| 1931                   | 4.3                 | 5.5                 | Nov.  | 4.0                 | 5.1                 | Nov.  | 4.7                 | 6.1                 | Nov.  | 4.7                 | 5.6                 |
| 1932                   | 4.3                 | 5.5                 | Dec.  | 4.1                 | 5.3                 | Dec.  | 5.1                 |                     | Dec.  | 4.6                 | 5.6                 |
| 1933                   | 4.7                 | 5.8                 |       |                     |                     |       |                     |                     |       |                     |                     |

Sources: Tables 627 and 628, Bureau of Agricultural Economics, Department of Agriculture; Table 629 Survey of Current Business, Department of Commerce.



## No. 630.—SUGAR BEETS AND BEET SUGAR: PRODUCTION

[Note.—Acreage and production accredited to State in which made into sugar. "Crop" represents deliveries to factories and includes a small quantity produced in Canada for United States factories. "Per cent of sucrose in beets" is based on analysis. "Per cent extracted" is per cent of total weight of beets actually recovered by factories. United States totals include data for States not specified, covering 62,000 acres of beets in 1927. Tons of 2,000 pounds.]

| Yearly average or year, and State      | Beets produced for sugar |                                |               |                         |                            | Sugar manufacture   |                         |                         |                      |            |
|--|--------------------------|--------------------------------|---------------|-------------------------|----------------------------|---------------------|-------------------------|-------------------------|----------------------|------------|
|  | Acres harvested          | Crop <sup>1</sup> (1,000 tons) | Tons per acre | Price per ton (dollars) | Farm value (1,000 dollars) | Number of factories | Beets used (1,000 tons) | Sugar made (1,000 tons) | Per cent of sucrose— |            |
|  |                          |                                |               |                         |                            |                     |                         |                         | In beets             | Ex-tracted |
| <b>United States:</b>                  |                          |                                |               |                         |                            |                     |                         |                         |                      |            |
| 1901-1905                              | 227,841                  | 2,079                          | 9.23          | 4.88                    | 10,106                     | 48                  | 2,079                   | 240                     | 15.08                | 11.38      |
| 1906-1910                              | 386,062                  | 3,910                          | 10.13         | 5.18                    | 20,254                     | 68                  | 3,910                   | 479                     | 15.78                | 12.37      |
| 1911-1915                              | 540,777                  | 5,054                          | 10.17         | 5.63                    | 30,830                     | 87                  | 5,477                   | 724                     | 16.17                | 13.13      |
| 1916-1920                              | 697,649                  | 6,523                          | 9.38          | 9.28                    | 58,156                     | 98                  | 6,300                   | 832                     | 15.85                | 13.61      |
| 1921-1925                              | 694,400                  | 6,981                          | 10.05         | 7.47                    | 51,991                     | 88                  | 6,606                   | 916                     | 15.71                | 13.00      |
| 1918                                   | 594,000                  | 5,949                          | 10.01         | 10.00                   | 59,494                     | 89                  | 5,578                   | 761                     | 16.18                | 13.04      |
| 1919                                   | 602,000                  | 6,421                          | 9.27          | 11.74                   | 75,420                     | 89                  | 6,888                   | 730                     | 14.48                | 12.34      |
| 1920                                   | 672,000                  | 6,538                          | 9.79          | 11.63                   | 89,324                     | 97                  | 7,991                   | 1,080                   | 15.90                | 13.69      |
| 1921                                   | 815,000                  | 7,782                          | 9.55          | 8.25                    | 49,392                     | 92                  | 7,414                   | 1,020                   | 15.77                | 13.76      |
| 1922                                   | 530,000                  | 5,182                          | 9.77          | 7.91                    | 41,017                     | 81                  | 4,963                   | 676                     | 15.44                | 12.61      |
| 1923                                   | 637,000                  | 7,006                          | 10.99         | 8.99                    | 62,965                     | 89                  | 6,565                   | 881                     | 15.30                | 13.27      |
| 1924                                   | 817,000                  | 7,813                          | 9.20          | 7.92                    | 59,524                     | 90                  | 7,075                   | 1,090                   | 17.19                | 15.41      |
| 1925                                   | 663,000                  | 7,423                          | 11.37         | 8.39                    | 47,069                     | 88                  | 6,993                   | 913                     | 14.86                | 12.08      |
| 1926                                   | 667,000                  | 7,300                          | 10.93         | 7.61                    | 54,964                     | 78                  | 6,782                   | 897                     | 14.94                | 13.28      |
| 1927 <sup>2</sup>                      | 731,000                  | 7,808                          | 10.68         |                         |                            | 83                  | 7,443                   | 1,000                   | 16.11                | 14.68      |
| <b>California:</b>                     |                          |                                |               |                         |                            |                     |                         |                         |                      |            |
| 1916-1920                              | 126,735                  | 1,097                          | 8.77          | 10.68                   | 10,726                     | 12                  | 1,097                   | 174                     | 17.86                | 16.78      |
| 1921-1925                              | 73,800                   | 666                            | 9.23          | 9.46                    | 6,298                      | 7                   | 663                     | 118                     | 16.41                | 17.00      |
| 1926                                   | 46,000                   | 369                            | 8.03          | 9.26                    | 3,411                      | 5                   | 363                     | 68                      | 16.29                | 18.73      |
| 1927 <sup>2</sup>                      | 55,000                   | 445                            | 8.09          |                         |                            | 7                   | 470                     | 76                      | 16.72                | 17.67      |
| <b>Colorado:</b>                       |                          |                                |               |                         |                            |                     |                         |                         |                      |            |
| 1916-1920                              | 175,678                  | 1,883                          | 10.71         | 9.25                    | 17,401                     | 15                  | 1,774                   | 235                     | 16.79                | 13.36      |
| 1921-1925                              | 174,600                  | 2,001                          | 11.46         | 7.18                    | 14,273                     | 16                  | 1,808                   | 259                     | 15.16                | 13.89      |
| 1926                                   | 214,000                  | 2,944                          | 13.76         | 7.92                    | 23,060                     | 17                  | 2,765                   | 377                     | 15.86                | 13.63      |
| 1927 <sup>2</sup>                      | 220,000                  | 2,780                          | 12.64         |                         |                            | 17                  | 2,652                   | 373                     | 16.38                | 14.37      |
| <b>Idaho</b>                           |                          |                                |               |                         |                            |                     |                         |                         |                      |            |
| 1916-1920                              | 37,525                   | 322                            | 8.59          | 9.22                    | 2,972                      | 7                   | 309                     | 42                      | 16.40                | 13.68      |
| 1921-1925                              | 37,000                   | 381                            | 10.80         | 7.23                    | 2,716                      | 7                   | 360                     | 55                      | 16.90                | 13.26      |
| 1926                                   | 21,000                   | 136                            | 6.57          | 6.91                    | 744                        | 3                   | 129                     | 19                      | 16.26                | 14.73      |
| 1927 <sup>2</sup>                      | 31,000                   | 396                            | 12.74         |                         |                            | 5                   | 373                     | 57                      | 17.60                | 16.35      |
| <b>Michigan</b>                        |                          |                                |               |                         |                            |                     |                         |                         |                      |            |
| 1916-1920                              | 113,936                  | 912                            | 8.00          | 10.02                   | 9,137                      | 16                  | 826                     | 112                     | 15.92                | 13.61      |
| 1921-1925                              | 121,200                  | 966                            | 8.14          | 7.67                    | 7,344                      | 16                  | 915                     | 120                     | 14.97                | 13.11      |
| 1926                                   | 118,000                  | 963                            | 8.08          | 7.00                    | 5,852                      | 15                  | 860                     | 106                     | 15.29                | 12.33      |
| 1927 <sup>2</sup>                      | 115,000                  | 814                            | 7.08          |                         |                            | 14                  | 780                     | 108                     | 16.28                | 13.97      |
| <b>Montana and Wyoming<sup>3</sup></b> |                          |                                |               |                         |                            |                     |                         |                         |                      |            |
| 1922-1925                              | 42,750                   | 470                            | 10.99         | 7.71                    | 3,600                      | 4                   | 441                     | 63                      | 16.30                | 14.20      |
| 1926                                   | 67,000                   | 724                            | 10.81         | 7.55                    | 5,537                      | 7                   | 638                     | 84                      | 14.73                | 13.17      |
| 1927 <sup>2</sup>                      | 65,000                   | 742                            | 11.42         |                         |                            | 7                   | 711                     | 112                     | 17.03                | 15.61      |
| <b>Nebraska</b>                        |                          |                                |               |                         |                            |                     |                         |                         |                      |            |
| 1916-1920                              | 53,315                   | 340                            | 10.13         | 9.62                    | 3,201                      | 4                   | 506                     | 64                      | 15.07                | 12.68      |
| 1921-1925                              | 61,800                   | 763                            | 12.35         | 7.10                    | 5,419                      | 5                   | 718                     | 96                      | 15.34                | 13.39      |
| 1926                                   | 83,000                   | 966                            | 11.64         | 7.89                    | 7,274                      | 6                   | 896                     | 104                     | 13.14                | 11.58      |
| 1927 <sup>2</sup>                      | 85,000                   | 1,066                          | 12.78         |                         |                            | 7                   | 1,012                   | 134                     | 15.12                | 13.34      |
| <b>Ohio</b>                            |                          |                                |               |                         |                            |                     |                         |                         |                      |            |
| 1916-1920                              | 32,331                   | 289                            | 8.94          | 9.84                    | 2,846                      | 5                   | 261                     | 31                      | 15.49                | 12.15      |
| 1921-1925                              | 35,600                   | 313                            | 8.80          | 7.85                    | 2,532                      | 5                   | 291                     | 34                      | 14.47                | 11.62      |
| 1926                                   | 29,000                   | 286                            | 9.88          | 7.00                    | 2,383                      | 5                   | 270                     | 26                      | 12.80                | 9.63       |
| 1927 <sup>2</sup>                      | 30,000                   | 268                            | 8.97          |                         |                            | 4                   | 249                     | 26                      | 16.87                | 14.46      |
| <b>Utah</b>                            |                          |                                |               |                         |                            |                     |                         |                         |                      |            |
| 1916-1920                              | 60,206                   | 664                            | 11.14         | 9.63                    | 9,569                      | 16                  | 896                     | 109                     | 15.29                | 12.09      |
| 1921-1925                              | 63,200                   | 930                            | 11.18         | 6.86                    | 6,413                      | 17                  | 879                     | 123                     | 16.09                | 13.96      |
| 1926                                   | 48,000                   | 383                            | 7.98          | 6.97                    | 2,894                      | 10                  | 356                     | 53                      | 16.29                | 14.99      |
| 1927 <sup>2</sup>                      | 56,000                   | 602                            | 12.04         |                         |                            | 11                  | 623                     | 91                      | 16.69                | 15.09      |
| <b>Wisconsin</b>                       |                          |                                |               |                         |                            |                     |                         |                         |                      |            |
| 1916-1920                              | 12,897                   | 119                            | 8.85          | 9.99                    | 1,084                      | 4                   | 99                      | 12                      | 15.05                | 11.94      |
| 1921-1925                              | 14,400                   | 120                            | 8.25          | 7.43                    | 951                        | 4                   | 111                     | 13                      | 15.39                | 12.06      |
| 1926                                   | 13,000                   | 116                            | 8.92          | 7.24                    | 1,141                      | 3                   | 107                     | 12                      | 14.02                | 11.21      |
| 1927 <sup>2</sup>                      | 14,000                   | 103                            | 7.36          |                         |                            | 3                   | 100                     | 13                      | 16.00                | 13.00      |

<sup>1</sup> Beets used 1901 to 1912<sup>2</sup> Four-year average.<sup>3</sup> Preliminary<sup>4</sup> Prior to 1922 Montana and Wyoming data not segregated.

Source. Bureau of Agricultural Economics, Department of Agriculture.

## No. 631.—LOUISIANA SUGAR CANE, CANE SUGAR, AND MOLASSES

[Note.—Louisiana produces practically all the cane sugar produced in the United States. In other States cane is largely used for making sirup (see Table 634). Tons are of 2,000 pounds]

| Yearly average or year | Total acres in cane | Cane used for sugar |                   |                       | Factories in operation | Sugar made          |                          | Molasses made          |                            |
|------------------------|---------------------|---------------------|-------------------|-----------------------|------------------------|---------------------|--------------------------|------------------------|----------------------------|
|                        |                     | Acres harvested     | Crop (1,000 tons) | Yield per acre (tons) |                        | Amount (1,000 tons) | Per ton of cane (pounds) | Amount (1,000 gallons) | Per ton of sugar (gallons) |
| 1911-1915              | ---                 | 230,200             | 3,496             | 14.6                  | 150                    | 236                 | 137.6                    | 20,666                 | 88                         |
| 1916-1920              | ---                 | 211,780             | 3,286             | 15.1                  | 123                    | 224                 | 135.4                    | 22,956                 | 102                        |
| 1921-1925              | 305,320             | 207,580             | 3,044             | 13.9                  | 107                    | 202                 | 130.9                    | 19,286                 | 91                         |
| 1923                   | 317,600             | 217,250             | 2,387             | 11.1                  | 100                    | 162                 | 135.8                    | 15,719                 | 97                         |
| 1924                   | 301,100             | 162,640             | 1,228             | 7.6                   | 82                     | 88                  | 144.1                    | 9,500                  | 108                        |
| 1925                   | 263,000             | 190,248             | 2,645             | 14.0                  | 91                     | 139                 | 106.4                    | 17,783                 | 128                        |
| 1926                   | 197,000             | 127,916             | 894               | 6.8                   | 54                     | 47                  | 109.1                    | 5,614                  | 141                        |
| 1927 (preliminary)     | 121,000             | 80,000              | 1,120             | 14.0                  | ---                    | 78                  | 139.0                    | 7,963                  | 102                        |

## SUGAR MADE (1,000 tons)

|         |     |         |     |         |     |         |     |
|---------|-----|---------|-----|---------|-----|---------|-----|
| 1906    | 258 | 1911    | 353 | 1916    | 304 | 1921    | 324 |
| 1907    | 351 | 1912    | 154 | 1917    | 244 | 1922    | 296 |
| 1908    | 308 | 1913    | 293 | 1918    | 281 | 1923    | 162 |
| 1909    | 364 | 1914    | 243 | 1919    | 121 | 1924    | 88  |
| 1910    | 343 | 1915    | 138 | 1920    | 169 | 1925    | 139 |
| Average | 349 | Average | 236 | Average | 224 | Average | 202 |

## No. 632.—HAWAIIAN SUGAR CANE AND CANE SUGAR

[Note.—Figures are for years ending September 30. All tons are of 2,000 pounds]

| Yearly average or year | Total acres in cane | Cane used for sugar |                   |                       | Sugar made          |                       |
|------------------------|---------------------|---------------------|-------------------|-----------------------|---------------------|-----------------------|
|                        |                     | Acres harvested     | Crop (1,000 tons) | Yield per acre (tons) | Amount (1,000 tons) | Per cent of cane used |
| All Islands            |                     |                     |                   |                       |                     |                       |
| 1913-1915              | ---                 | 113,500             | 4,854             | 43                    | 602                 | 12.30                 |
| 1916-1920              | 251,200             | 116,584             | 4,630             | 41                    | 594                 | 12.30                 |
| 1921-1925              | 234,700             | 116,820             | 5,253             | 45                    | 622                 | 11.64                 |
| 1923                   | 235,000             | 114,000             | 4,560             | 40                    | 537                 | 11.77                 |
| 1924                   | 232,000             | 111,000             | 5,061             | 51                    | 691                 | 12.21                 |
| 1925                   | 241,000             | 122,000             | 6,297             | 52                    | 769                 | 12.21                 |
| 1926                   | 237,774             | 122,309             | 6,498             | 53                    | 787                 | 12.12                 |
| 1927                   | 234,809             | 124,642             | 6,992             | 56                    | 811                 | 11.60                 |
| Hawaii 1925            | 108,000             | 54,000              | 2,321             | 43                    | 263                 | 11.33                 |
| 1926                   | 109,063             | 55,236              | 2,442             | 44                    | 279                 | 11.42                 |
| Kauai 1925             | 47,000              | 24,000              | 1,111             | 46                    | 134                 | 12.00                 |
| 1926                   | 44,796              | 23,494              | 1,153             | 49                    | 131                 | 11.77                 |
| Molokai 1927           | 40,000              | 20,000              | 1,258             | 63                    | 170                 | 13.5                  |
| 1926                   | 39,518              | 19,680              | 1,186             | 60                    | 169                 | 13.41                 |
| Oahu 1925              | 46,000              | 24,000              | 1,607             | 67                    | 202                 | 12.57                 |
| 1926                   | 44,397              | 23,693              | 1,715             | 72                    | 213                 | 12.46                 |

## TOTAL, ALL ISLANDS: SUGAR MADE (1,000 tons)

|         |     |         |     |         |     |         |     |
|---------|-----|---------|-----|---------|-----|---------|-----|
| 1906    | 429 | 1911    | 567 | 1916    | 503 | 1921    | 622 |
| 1907    | 440 | 1912    | 595 | 1917    | 645 | 1922    | 592 |
| 1908    | 521 | 1913    | 547 | 1918    | 577 | 1923    | 537 |
| 1909    | 535 | 1914    | 612 | 1919    | 600 | 1924    | 691 |
| 1910    | 517 | 1915    | 646 | 1920    | 556 | 1925    | 769 |
| Average | 489 | Average | 593 | Average | 594 | Average | 622 |

Source of Tables 631 and 632: Bureau of Agricultural Economics, Department of Agriculture.

## No. 633.—MAPLE SUGAR AND SIRUP: PRODUCTION BY STATES

| State and year                         |                   | Trees tapped | Sugar made   | Sirup made    | Total product in terms of sugar <sup>1</sup> | State and year       |           | Trees tapped | Sugar made    | Sirup made   | Total product in terms of sugar <sup>1</sup> |
|--|-------------------|--------------|--------------|---------------|--|----------------------|-----------|--------------|---------------|--------------|--|
| BUREAU OF CENSUS                       |                   |              |              |               |  | BUREAU OF CENSUS     |           |              |               |              |  |
| Total                                  | United States     | Thousands    | 1,000 pounds | 1,000 gallons | 1,000 pounds                                 | Vermont              | Thousands | 1,000 pounds | 1,000 gallons | 1,000 pounds |  |
| 1920                                   | 1920              | 46,120       | 1,908        | 12,901        | 12,901                                       | 1925                 | 5,554     | 1,794        | 956           | 9,442        |  |
| 1921                                   | 1921              | 29,444       | 921          | 15,812        | 15,812                                       | 1926                 | 5,554     | 1,622        | 980           | 9,442        |  |
| 1922                                   | 1922              | 30,571       | 1,798        | 10,944        | 10,944                                       | 1927 <sup>2</sup>    | 5,465     | 1,494        | 1,417         | 13,080       |  |
| 1923                                   | 1923              | 32,975       | 2,256        | 11,050        | 11,050                                       | Massachusetts        |           |              |               |              |  |
| 1924                                   | 1924              | 11,929       | 2,057        | 28,202        | 28,202                                       | 1925                 | 272       | 126          | 56            | 371          |  |
| 1925                                   | 1925              | 14,024       | 4,106        | 46,912        | 46,912                                       | 1926                 | 272       | 126          | 96            | 516          |  |
| 1926                                   | 1926              | 17,457       | 9,692        | 3,205         | 37,754                                       | 1927 <sup>2</sup>    | 277       | 132          | 75            | 732          |  |
| DEPARTMENT OF AGRICULTURE <sup>3</sup> |                   |              |              |               |  | New York             |           |              |               |              |  |
| Total                                  | Total             |              |              |               |  | 1925                 | 2,998     | 624          | 596           | 7,782        |  |
| 1920                                   | 1920              | 15,894       | 7,324        | 3,360         | 35,900                                       | 1926                 | 2,955     | 1,146        | 1,129         | 10,192       |  |
| 1921                                   | 1921              | 15,114       | 6,780        | 2,366         | 24,820                                       | 1927 <sup>2</sup>    | 2,839     | 733          | 1,002         | 9,749        |  |
| 1922                                   | 1922              | 16,274       | 5,167        | 2,640         | 34,263                                       | Pennsylvania         |           |              |               |              |  |
| 1923                                   | 1923              | 15,291       | 4,685        | 1,606         | 13,523                                       | 1925                 | 696       | 308          | 191           | 1,736        |  |
| 1924                                   | 1924              | 16,407       | 4,074        | 3,903         | 31,302                                       | 1926                 | 696       | 223          | 251           | 2,237        |  |
| 1925                                   | 1925              | 15,312       | 2,236        | 3,089         | 27,946                                       | 1927 <sup>2</sup>    | 636       | 148          | 139           | 1,260        |  |
| 1926                                   | 1926              | 15,245       | 2,577        | 3,900         | 34,776                                       | Ohio <sup>4</sup>    |           |              |               |              |  |
| 1927 <sup>2</sup>                      | 1927 <sup>2</sup> | 12,987       | 2,102        | 2,163         | 24,566                                       | 1925                 | 1,747     | 122          | 341           | 2,650        |  |
| Maine                                  |                   |              |              |               |  | 1926                 | 1,700     | 68           | 574           | 6,092        |  |
| 1925                                   | 1925              | 320          | 32           | 51            | 422  | Indiana <sup>4</sup> |           |              |               |              |  |
| 1926                                   | 1926              | 304          | 29           | 51            | 517  | 1925                 | 515       | 10           | 148           | 1,194        |  |
| 1927 <sup>2</sup>                      | 1927 <sup>2</sup> | 310          | 15           | 60            | 495  | 1926                 | 523       | 8            | 163           | 1,312        |  |
| New Hampshire                          |                   |              |              |               |  | Michigan             |           |              |               |              |  |
| 1925                                   | 1925              | 796          | 227          | 161           | 1,516  | 1925                 | 638       | 75           | 179           | 1,507        |  |
| 1926                                   | 1926              | 700          | 235          | 198           | 1,517  | 1926                 | 663       | 100          | 300           | 2,548        |  |
| 1927 <sup>2</sup>                      | 1927 <sup>2</sup> | 822          | 290          | 154           | 1,601  | 1927 <sup>2</sup>    | 626       | 72           | 172           | 1,444        |  |
|  |                   |              |              |               |  | Wisconsin            |           |              |               |              |  |
|  |                   |              |              |               |  | 1925                 | 575       | 28           | 110           | 908          |  |
|  |                   |              |              |               |  | 1926                 | 575       | 18           | 156           | 1,258        |  |
|  |                   |              |              |               |  | 1927 <sup>2</sup>    | 570       | 19           | 154           | 2,261        |  |

<sup>1</sup> 1 gallon of sirup taken as equivalent to 8 pounds of sugar.<sup>2</sup> Totals cover the 10 States listed, except that for 1920 to 1923 Connecticut, which produced only a negligible quantity of sugar and sirup, is included, and for 1927, Ohio and Indiana are excluded. The 11 States included for 1920 to 1923 produced 97.1 per cent of the maple sugar and 97.2 per cent of the maple sirup made in the United States in 1919 as reported by the Bureau of the Census. That bureau also reported 95.1 per cent of the trees tapped in 1919 as being in these States.<sup>3</sup> Preliminary.<sup>4</sup> Not available for 1927.

## No. 634.—SUGAR CANE AND SIRUP IN SOUTHERN STATES

[Note.—Sorghum, sometimes confused with sugar cane, is not included. For molasses, a by-product of sugar refineries and not included in this table, see Table 631.]

| State and year |      | Cane harvested for sirup | Sirup produced | State and year |      | Cane harvested for sirup | Sirup produced |
|----------------|------|--------------------------|----------------|----------------|------|--------------------------|----------------|
| All States:    |      | Acres                    | 1,000 gallons  | Alabama        |      | Acres                    | 1,000 gallons  |
| 1920           | 1920 | 174,100                  | 38,890         | 1925           | 1925 | 23,000                   | 3,000          |
| 1921           | 1921 | 210,200                  | 41,167         | 1926           | 1926 | 20,000                   | 2,300          |
| 1922           | 1922 | 214,300                  | 41,611         | 1927           | 1927 | 21,000                   | 2,625          |
| 1923           | 1923 | 200,000                  | 33,620         | Mississippi    |      |                          |                |
| 1925           | 1925 | 125,000                  | 20,400         | 1925           | 1925 | 14,000                   | 2,400          |
| 1926           | 1926 | 132,000                  | 22,172         | 1926           | 1926 | 14,000                   | 2,570          |
| 1927           | 1927 | 120,000                  | 21,425         | 1927           | 1927 | 17,000                   | 2,145          |
| South Carolina |      |                          |                | Louisiana      |      |                          |                |
| 1925           | 1925 | 8,000                    | 576            | 1925           | 1925 | 25,000                   | 6,541          |
| 1926           | 1926 | 5,000                    | 700            | 1926           | 1926 | 34,000                   | 4,516          |
| 1927           | 1927 | 7,000                    | 960            | 1927           | 1927 | 18,000                   | 5,478          |
| Georgia        |      |                          |                | Texas          |      |                          |                |
| 1925           | 1925 | 32,000                   | 3,520          | 1925           | 1925 | 11,000                   | 1,515          |
| 1926           | 1926 | 35,000                   | 5,125          | 1926           | 1926 | 11,000                   | 2,150          |
| 1927           | 1927 | 34,000                   | 5,100          | 1927           | 1927 | 12,000                   | 2,040          |
| Florida        |      |                          |                | Arkansas       |      |                          |                |
| 1925           | 1925 | 10,000                   | 2,100          | 1925           | 1925 | 3,000                    | 300            |
| 1926           | 1926 | 10,000                   | 2,100          | 1926           | 1926 | 3,000                    | 400            |
| 1927           | 1927 | 9,000                    | 1,647          | 1927           | 1927 | 2,000                    | 300            |

Source of Tables 633 and 634: Bureau of Agricultural Economics, Department of Agriculture.

## No. 635. COTTONSEED AND COTTONSEED PRODUCTS: PRODUCTION, VALUE, AND EXPORTS

[Note: Data relate to 12 months ended July 31, except exports, which are for 12 months ended June 30 of year indicated in stub.]

| Yearly average or<br>year ended July<br>31 or June 30-- | Cottonseed products  |                     |                     |               |           |                  |                  |                     |                  |                  | Exports              |                       |                       |               |
|---|----------------------|---------------------|---------------------|---------------|-----------|------------------|------------------|---------------------|------------------|------------------|----------------------|-----------------------|-----------------------|---------------|
|   | Pro-<br>duc-<br>tion | Used<br>in<br>mills | Production          |               |           | Value            |                  |                     |                  | Value per unit   |                      |                       | Meal<br>and<br>cake   |               |
|   |                      |                     | Meal<br>and<br>cake | Hulls         | Linters   | All<br>products  | Oil              | Meal<br>and<br>cake | Hulls            | Linters          | Oil                  | Meal<br>and<br>cake   |                       | Hulls         |
|   | 1,000<br>tons        | 1,000<br>tons       | 1,000<br>tons       | 1,000<br>tons | Bales     | 1,000<br>dollars | 1,000<br>dollars | 1,000<br>dollars    | 1,000<br>dollars | 1,000<br>dollars | Cents<br>per<br>gal. | Dollars<br>per<br>ton | Cents<br>per<br>pound | 1,000<br>tons |
| 1881-1890   | 3,018                | 553                 | 193                 | 1,169         | 114,544   | 12,164           | 7,864            | 11,783              | 3,190            | 1,800            | 36                   | 22.25                 | 3.1                   | 389           |
| 1891-1900   | 4,280                | 1,025               | 570                 | 1,392         | 167,327   | 25,580           | 13,348           | 11,783              | 5,400            | 2,886            | 21                   | 20.58                 | 3.4                   | 438           |
| 1901-1903   | 5,159                | 3,065               | 1,130               | 3,106         | 282,064   | 63,424           | 40,432           | 22,824              | 7,242            | 3,514            | 29                   | 20.19                 | 2.5                   | 548           |
| 1904-1910   | 5,258                | 3,296               | 1,359               | 3,106         | 282,064   | 63,424           | 40,432           | 32,238              | 10,128           | 3,514            | 31                   | 24.07                 | 2.5                   | 578           |
| 1911-1913   | 6,353                | 4,947               | 2,162               | 1,527         | 696,225   | 143,766          | 75,634           | 51,680              | 10,128           | 6,526            | 39                   | 23.86                 | 2.2                   | 561           |
| 1914-1920   | 5,116                | 4,285               | 2,041               | 1,068         | 945,474   | 312,781          | 179,249          | 92,191              | 14,845           | 26,496           | 106                  | 45.18                 | 5.6                   | 301           |
| 1921-1923   | 4,878                | 3,640               | 1,654               | 1,082         | 578,394   | 177,947          | 91,147           | 61,141              | 11,859           | 14,126           | 61                   | 37.10                 | 4.0                   | 258           |
| 1914  | 5,305                | 4,848               | 2,220               | 1,405         | 660,087   | 159,670          | 81,020           | 59,810              | 11,210           | 7,690            | 42                   | 28.94                 | 2.2                   | 400           |
| 1915  | 7,186                | 4,780               | 2,648               | 1,677         | 820,374   | 152,880          | 80,640           | 57,740              | 8,460            | 6,160            | 35                   | 21.81                 | 1.6                   | 740           |
| 1916  | 4,992                | 4,202               | 1,923               | 1,220         | 889,577   | 180,360          | 87,940           | 53,860              | 12,340           | 28,120           | 56                   | 28.01                 | 2.9                   | 629           |
| 1917  | 5,113                | 4,479               | 2,225               | 1,669         | 1,273,345 | 267,102          | 153,419          | 74,686              | 13,994           | 45,193           | 82                   | 33.52                 | 7.1                   | 576           |
| 1918  | 5,040                | 4,252               | 2,068               | 1,098         | 1,082,802 | 360,736          | 217,902          | 97,362              | 18,878           | 26,604           | 126                  | 47.08                 | 4.9                   | 23            |
| 1919  | 5,360                | 4,479               | 2,170               | 1,137         | 889,600   | 383,680          | 227,316          | 116,119             | 17,917           | 22,228           | 129                  | 63.51                 | 5.0                   | 184           |
| 1920  | 5,074                | 4,013               | 1,817               | 1,143         | 564,146   | 352,138          | 209,605          | 119,039             | 11,086           | 12,336           | 130                  | 65.51                 | 4.2                   | 225           |
| 1921  | 5,971                | 4,069               | 1,786               | 1,256         | 422,226   | 166,513          | 84,650           | 59,296              | 10,059           | 3,506            | 45                   | 32.64                 | 1.7                   | 237           |
| 1922  | 3,531                | 3,039               | 1,355               | 937           | 389,547   | 136,974          | 71,606           | 49,806              | 8,949            | 6,619            | 58                   | 36.84                 | 3.5                   | 256           |
| 1923  | 4,336                | 3,242               | 1,437               | 944           | 694,177   | 173,234          | 84,818           | 59,037              | 12,200           | 17,190           | 63                   | 39.70                 | 5.9                   | 227           |
| 1924  | 4,502                | 3,308               | 1,518               | 941           | 642,848   | 182,137          | 89,008           | 69,800              | 12,737           | 22,007           | 67                   | 39.00                 | 6.9                   | 125           |
| 1925  | 7,150                | 5,568               | 2,597               | 1,547         | 1,068,919 | 266,027          | 139,652          | 81,508              | 12,649           | 23,218           | 64                   | 31.39                 | 6.3                   | 308           |
| 1927  | 7,989                | 6,308               | 3,040               | 1,834         | 1,110,619 | 340,344          | 148,948          | 79,679              | 8,869            | 16,684           | 67                   | 35.58                 | 8.0                   | 486           |
| Alabama   | 365                  | 14,963              | 165                 | 112           | 57,375    | 13,306           | 8,316            | 3,062               | 674              | 926              | 56                   | 25.56                 | 3.2                   | ---           |
| Arkansas  | 688                  | 462                 | 197                 | 141           | 79,824    | 17,066           | 10,160           | 5,072               | 554              | 1,263            | 65                   | 25.70                 | 3.2                   | ---           |
| California  | 36                   | 32                  | 43                  | 19            | 14,645    | 3,800            | 2,004            | 1,189               | 175              | 380              | 38                   | 27.54                 | 3.2                   | ---           |
| Georgia   | 664                  | 690                 | 297                 | 199           | 118,183   | 27,128           | 16,575           | 7,442               | 1,300            | 1,611            | 58                   | 25.08                 | 3.1                   | ---           |
| Louisiana   | 368                  | 290                 | 99                  | 74            | 89,001    | 8,643            | 5,831            | 2,431               | 311              | 570              | 57                   | 24.41                 | 2.9                   | ---           |
| Mississippi   | 438                  | 713                 | 303                 | 217           | 139,671   | 28,640           | 17,279           | 7,736               | 1,135            | 2,400            | 57                   | 25.56                 | 3.7                   | ---           |
| North Carolina  | 538                  | 442                 | 313                 | 112           | 78,861    | 17,707           | 10,684           | 5,277               | 614              | 1,252            | 57                   | 24.54                 | 3.1                   | ---           |
| Oklahoma  | 786                  | 688                 | 308                 | 164           | 93,453    | 20,144           | 11,470           | 6,978               | 925              | 1,071            | 53                   | 25.99                 | 2.3                   | ---           |
| South Carolina  | 447                  | 307                 | 147                 | 74            | 66,346    | 12,948           | 7,228            | 3,544               | 443              | 1,083            | 57                   | 24.15                 | 3.1                   | ---           |
| Tennessee   | 201                  | 360                 | 156                 | 117           | 76,811    | 14,425           | 8,408            | 4,779               | 477              | 1,261            | 57                   | 27.40                 | 3.3                   | ---           |
| Texas   | 2,506                | 1,915               | 684                 | 571           | 324,210   | 69,707           | 40,842           | 21,466              | 2,343            | 4,057            | 57                   | 25.42                 | 2.6                   | ---           |
| Other States  | 7,228                | 1,174               | 77                  | 54            | 31,607    | 6,865            | 3,926            | 2,131               | 229              | 570              | 56                   | 27.80                 | 3.6                   | ---           |

Source: Bureau of the Census, Department of Commerce.

\* Six-year average, 1906-1909.

\* Figures for 1900.

\* Of 500 pounds net.

# No. 636.—PRODUCTION, CONSUMPTION, EXPORTS, IMPORTS, AND PRICES OF COTTON

[NOTE.—All quantities in thousands of bales, reduced to equivalent of 500 pounds, gross weight. Production statistics relate to the growth year indicated in the stub. Other statistics for the most part relate to the 12-months period roughly corresponding to the marketing of the given crop; there have been minor variations from time to time in the periods covered. An exception appears in the price statistics from 1902 to 1909 which represent marketings of the preceding crop up to Mar 31. Prices for 1902 to 1909 represent the average grade at New Orleans. Prices from 1910 to date represent average price on the farms of all lint cotton throughout the country. Production, consumption, and exports include linters.]

| Year or<br>yearly average<br>(growth year) | Pro-<br>duc-<br>tion | Con-<br>sump-<br>tion | Domes-<br>tic ex-<br>ports | Net<br>imports | Year (growth<br>year) | Pro-<br>duc-<br>tion | Con-<br>sump-<br>tion | Domes-<br>tic ex-<br>ports | Net<br>imports |
|--|----------------------|-----------------------|----------------------------|----------------|-----------------------|----------------------|-----------------------|----------------------------|----------------|
| 1790.....                                  | 3                    | 11                    | (1)                        | 1              | 1906.....             | 13,595               | 4,974                 | 8,825                      | 208            |
| 1800.....                                  | 73                   | 19                    | 32                         | 9              | 1907.....             | 11,875               | 4,493                 | 7,780                      | 141            |
| 1810.....                                  | 178                  | 36                    | 124                        | (1)            | 1908.....             | 13,587               | 5,199                 | 8,890                      | 166            |
| 1820.....                                  | 335                  | 100                   | 250                        | (1)            | 1909.....             | 10,315               | 5,759                 | 6,492                      | 153            |
| 1830.....                                  | 732                  | 130                   | 554                        | (1)            | 1910.....             | 12,006               | 4,713                 | 8,026                      | 291            |
| 1840.....                                  | 1,348                | 245                   | 1,060                      | 1              | 1911.....             | 16,250               | 5,400                 | 11,081                     | 229            |
| 1850.....                                  | 2,130                | 423                   | 1,854                      | (1)            | 1912.....             | 14,313               | 5,867                 | 9,169                      | 225            |
| 1860.....                                  | 3,841                | 842                   | 3,115                      |                | 1913.....             | 14,795               | 5,943                 | 9,258                      | 206            |
| 1870.....                                  | 4,025                | 1,027                 | 2,923                      | 2              | 1914.....             | 16,992               | 6,087                 | 8,931                      | 364            |
| 1880-1875.....                             | 3,104                | 1,007                 | 2,164                      | 3              | 1915.....             | 12,123               | 7,527                 | 6,405                      | 421            |
| 1876-1885.....                             | 5,432                | 1,708                 | 3,721                      | 6              | 1916.....             | 12,781               | 7,721                 | 5,964                      | 269            |
| 1886-1895.....                             | 7,636                | 2,473                 | 5,174                      | 52             | 1917.....             | 12,428               | 7,555                 | 4,587                      | 217            |
| 1896-1900.....                             | 10,133               | 3,455                 | 6,907                      | 116            | 1918.....             | 12,970               | 6,289                 | 5,843                      | 197            |
| 1901-1905.....                             | 11,007               | 4,330                 | 7,210                      | 141            | 1919.....             | 12,029               | 6,808                 | 6,761                      | 468            |
| 1906-1910.....                             | 12,176               | 4,828                 | 8,002                      | 178            | 1920.....             | 13,880               | 5,478                 | 6,036                      | 211            |
| 1911-1915.....                             | 14,895               | 6,125                 | 8,975                      | 301            | 1921.....             | 8,351                | 6,560                 | 6,479                      | 352            |
| 1916-1920.....                             | 13,817               | 6,770                 | 5,836                      | 319            | 1922.....             | 10,370               | 7,350                 | 5,049                      | 480            |
| 1921-1925.....                             | 11,903               |                       |                            |                | 1923.....             | 10,808               | 6,235                 | 5,936                      | 272            |
| 1901.....                                  | 9,876                | 4,080                 | 6,870                      | 190            | 1924.....             | 14,488               | 6,878                 | 8,435                      | 303            |
| 1902.....                                  | 10,827               | 4,187                 | 6,914                      | 149            | 1925.....             | 17,219               | 7,307                 | 8,377                      | 314            |
| 1903.....                                  | 10,046               | 3,961                 | 6,234                      | 100            | 1926.....             | 19,137               | 8,178                 | 11,567                     | 392            |
| 1904.....                                  | 13,680               | 4,523                 | 9,057                      | 130            | 1927 (prel.)          | 13,970               | 7,590                 | 7,773                      | 321            |
| 1905.....                                  | 10,806               | 4,877                 | 6,976                      | 123            |                       |                      |                       |                            |                |

## AVERAGE PRICE, UPLAND LINT COTTON, CENTS PER POUND

|                |      |                |      |           |      |                |      |
|----------------|------|----------------|------|-----------|------|----------------|------|
| 1790.....      | 26.0 | 1901-1905..... | 9.6  | 1912..... | 11.5 | 1927:          |      |
| 1800.....      | 44.0 | 1906-1910..... | 11.8 | 1913..... | 12.5 | August.....    | 17.1 |
| 1810.....      | 15.5 | 1911-1915..... | 10.4 | 1914..... | 7.3  | September..... | 22.5 |
| 1820.....      | 14.3 | 1916-1920..... | 24.9 | 1915..... | 11.2 | October.....   | 21.0 |
| 1830.....      | 9.7  | 1921-1925..... | 22.2 | 1916..... | 17.3 | November.....  | 20.0 |
| 1840.....      | 9.5  | 1901.....      | 8.1  | 1917..... | 27.1 | December.....  | 18.7 |
| 1850.....      | 12.1 | 1902.....      | 8.2  | 1918..... | 28.8 | 1928:          |      |
| 1860.....      | 13.0 | 1903.....      | 12.2 | 1919..... | 25.4 | January.....   | 18.6 |
| 1870.....      | 17.0 | 1904.....      | 10.9 | 1920..... | 15.8 | February.....  | 17.0 |
| 1871-1875..... | 16.7 | 1905.....      | 10.0 | 1921..... | 16.9 | March.....     | 17.8 |
| 1876-1880..... | 11.4 | 1906.....      |      | 1922..... | 22.9 | April.....     | 16.7 |
| 1881-1885..... | 10.7 | 1907.....      | 11.5 | 1923..... | 28.7 | May.....       | 20.1 |
| 1886-1890..... | 10.3 | 1908.....      | 9.2  | 1924..... | 22.9 |                |      |
| 1891-1895..... | 7.5  | 1909.....      | 14.3 | 1925..... | 19.6 |                |      |
| 1896-1900..... | 6.9  | 1910.....      | 14.0 | 1926..... | 12.5 |                |      |
|                |      | 1911.....      | 9.6  |           |      |                |      |

<sup>1</sup> Less than 500 bales.

<sup>1</sup> Running bales.

Source: Bureau of the Census. See Bulletin 158, p. 49, of that bureau for original sources.

## No. 637.—EXPORTS OF DOMESTIC COTTON (INCLUDING LINTERS)

| Yearly average or year ended June 30— | Total value (thousands of dollars) | Quantity in thousands of equivalent 500-pound bales, exported to— |              |                |         |        |       |       |         |       |        |
|---------------------------------------|------------------------------------|---|--------------|----------------|---------|--------|-------|-------|---------|-------|--------|
|                                       |                                    | All countries   | Total Europe | United Kingdom | Germany | France | Italy | Spain | Belgium | Japan | Canada |
| 1866-1875                             | 205,285                            | 1,963   | 1,972        | 1,433          | 142     | 227    | 17    | 56    | 11      | —     | 4      |
| 1876-1885                             | 200,146                            | 3,594   | 3,553        | 2,311          | 336     | 421    | 54    | 125   | 28      | —     | 21     |
| 1886-1895                             | 227,678                            | 5,121   | 5,029        | 2,961          | 844     | 536    | 182   | 192   | 120     | 18    | 64     |
| 1896-1900                             | 220,557                            | 6,465   | 6,163        | 2,969          | 1,523   | 718    | 367   | 290   | 122     | 167   | 96     |
| 1901-1905                             | 334,256                            | 7,097   | 6,769        | 3,086          | 1,812   | 778    | 431   | 261   | 139     | 168   | —      |
| 1906-1910                             | 437,582                            | 7,850   | 7,508        | 3,243          | 2,180   | 956    | 486   | 252   | 130     | 183   | 128    |
| 1911-1915                             | 537,044                            | 9,318   | 8,708        | 3,804          | 2,196   | 1,081  | 648   | —     | 164     | 362   | 165    |
| 1916-1920                             | 765,515                            | 8,920   | 8,972        | 2,796          | —       | 796    | 614   | 310   | —       | 661   | 211    |
| 1921-1925                             | 764,101                            | 6,386   | 5,405        | 1,863          | 1,300   | 764    | 584   | 272   | 186     | 713   | 189    |
| 1914                                  | 610,475                            | 9,522   | 8,972        | 3,582          | 2,884   | 1,139  | 537   | —     | 227     | 353   | 151    |
| 1915                                  | 376,218                            | 8,807   | 8,028        | 2,920          | 294     | 693    | 1,127 | 466   | 5       | 429   | 183    |
| 1916                                  | 374,186                            | 6,168   | 5,273        | 2,761          | —       | 890    | 837   | 340   | —       | 508   | 199    |
| 1917                                  | 543,075                            | 6,176   | 5,328        | 2,895          | —       | 1,066  | 687   | 394   | —       | 531   | 187    |
| 1918                                  | 655,025                            | 4,641   | 3,783        | 2,387          | —       | 659    | 289   | 259   | —       | 564   | 250    |
| 1919                                  | 873,860                            | 5,526   | 4,497        | 2,494          | —       | 774    | 556   | 281   | 73      | 809   | 208    |
| 1920                                  | 1,391,708                          | 7,087   | 5,977        | 3,445          | 421     | 596    | 617   | 275   | 210     | 876   | 217    |
| 1921                                  | 600,186                            | 5,623   | 4,775        | 1,787          | 1,152   | 591    | 556   | 261   | 166     | 555   | 169    |
| 1922                                  | 596,379                            | 6,718   | 5,476        | 1,807          | 1,617   | 820    | 469   | 342   | 186     | 895   | 201    |
| 1923                                  | 656,963                            | 5,253   | 4,314        | 1,408          | 946     | 704    | 572   | 260   | 186     | 679   | 217    |
| 1924                                  | 903,975                            | 5,899   | 5,129        | 1,685          | 1,346   | 751    | 564   | 216   | 189     | 864   | 152    |
| 1925                                  | 1,080,980                          | 8,439   | 7,332        | 2,623          | 1,692   | 951    | 756   | 390   | 234     | 856   | 207    |
| 1926                                  | 917,720                            | 8,212   | 6,712        | 2,368          | 1,690   | 944    | 746   | 315   | 308     | 1,118 | 254    |
| 1927                                  | 866,923                            | 11,560  | 9,071        | 2,673          | 2,962   | 1,080  | 845   | 394   | 298     | 1,644 | 292    |

\* 5-year average, 1891-1905.

## No. 638.—COFFEE: IMPORTS AND REEXPORTS

NOTE.—Imports and reexports in thousands of pounds.—Years ended June 30 through 1918; thereafter, calendar years. Imports represent imports from foreign countries and from territories and possessions into continental United States, and reexports represent exports from continental United States to foreign countries and outlying territories and possessions.]

| Yearly average or year | Imports   | Reexports | Net imports per capita, pounds | Average import price per pound, cents | Year          | Imports   | Reexports | Net imports per capita, pounds | Average import price per pound, cents |
|------------------------|-----------|-----------|--------------------------------|---------------------------------------|---------------|-----------|-----------|--------------------------------|---------------------------------------|
| 1830                   | 51,488    | 13,126    | 2.99                           | 8.3                                   | 1898          | 870,514   | 16,823    | 11.59                          | 7.5                                   |
| 1840                   | 94,996    | 8,098     | 5.04                           | 8.8                                   | 1899          | 831,827   | 20,070    | 10.72                          | 6.5                                   |
| 1850                   | 145,273   | 15,481    | 5.59                           | 7.6                                   | 1900          | 787,992   | 29,191    | 9.84                           | 6.7                                   |
| 1851-1860              | 203,190   | 14,710    | 6.78                           | 9.0                                   | 1901          | 857,018   | 45,846    | 10.43                          | 7.4                                   |
| 1861-1870              | 173,200   | 8,229     | 4.66                           | 10.5                                  | 1902          | 1,092,844 | 36,126    | 13.32                          | 6.4                                   |
| 1871-1880              | 331,925   | 7,911     | 7.19                           | 14.7                                  | 1903          | 923,254   | 48,949    | 10.80                          | 6.6                                   |
| 1881-1890              | 513,089   | 24,725    | 8.52                           | 10.8                                  | 1904          | 946,677   | 35,102    | 11.67                          | 7.0                                   |
| 1891-1895              | 585,270   | 8,788     | 8.61                           | 16.8                                  | 1905          | 1,046,028 | 37,087    | 11.96                          | 8.1                                   |
| 1896-1900              | 761,715   | 21,819    | 10.07                          | 8.9                                   | 1906          | 853,800   | 19,133    | 9.72                           | 8.6                                   |
| 1901-1905              | 963,464   | 40,403    | 11.65                          | 7.1                                   | 1907          | 986,596   | 11,627    | 11.15                          | 7.9                                   |
| 1906-1910              | 931,644   | 15,326    | 10.29                          | 7.9                                   | 1908          | 894,092   | 17,116    | 9.82                           | 7.6                                   |
| 1911-1915              | 952,906   | 21,498    | 9.66                           | 11.5                                  | 1909          | 1,051,750 | 15,188    | 11.43                          | 7.6                                   |
| 1916-1920              | 1,227,214 | 67,382    | 11.20                          | —                                     | 1910          | 873,964   | 13,569    | 9.23                           | 7.9                                   |
| 1921-1925              | 1,343,579 | 80,804    | 11.67                          | —                                     | 1911          | 878,322   | 8,371     | 9.29                           | 10.3                                  |
| 1921                   | 455,190   | 31,913    | 8.21                           | 12.5                                  | 1912          | 887,748   | 7,196     | 9.26                           | 13.3                                  |
| 1922                   | 459,921   | 24,343    | 8.25                           | 10.0                                  | 1913          | 866,064   | 7,135     | 8.90                           | 13.6                                  |
| 1923                   | 515,879   | 37,376    | 8.84                           | 8.2                                   | 1914          | 1,006,362 | 13,811    | 10.14                          | 11.1                                  |
| 1924                   | 534,786   | 26,153    | 9.16                           | 9.3                                   | 1915          | 1,126,042 | 70,953    | 10.62                          | 9.6                                   |
| 1925                   | 572,600   | 33,333    | 9.52                           | 8.2                                   | 1916          | 1,208,841 | 75,819    | 11.20                          | 9.6                                   |
| 1926                   | 564,708   | 27,496    | 9.37                           | 7.6                                   | 1917          | 1,322,069 | 67,508    | 12.33                          | 10.1                                  |
| 1927                   | 526,109   | 25,290    | 8.46                           | 10.7                                  | 1918          | 1,145,956 | 65,598    | —                              | 9.0                                   |
| 1928                   | 423,646   | 15,083    | 6.75                           | 14.0                                  | 1918 (6 mos.) | 436,771   | 23,816    | —                              | 10.0                                  |
| 1929                   | 578,397   | 17,265    | 9.08                           | 13.0                                  | 1919          | 1,341,306 | 93,021    | 11.80                          | 10.5                                  |
| 1930                   | 499,159   | 8,997     | 7.77                           | 16.0                                  | 1920          | 1,299,743 | 54,846    | 11.70                          | 19.5                                  |
| 1931                   | 519,628   | 8,487     | 7.94                           | 19.0                                  | 1921          | 1,345,367 | 41,821    | 12.02                          | 10.7                                  |
| 1932                   | 640,211   | 10,539    | 9.59                           | 20.0                                  | 1922          | 1,248,938 | 35,576    | 11.04                          | 12.9                                  |
| 1933                   | 563,469   | 12,074    | 8.29                           | 14.0                                  | 1923          | 1,412,233 | 31,899    | 12.36                          | 13.6                                  |
| 1934                   | 560,934   | 3,865     | 8.01                           | 16.4                                  | 1924          | 1,423,758 | 39,213    | 12.17                          | 17.5                                  |
| 1935                   | 652,309   | 8,974     | 9.24                           | 14.7                                  | 1925          | 1,287,601 | 27,623    | 10.92                          | 22.3                                  |
| 1936                   | 580,598   | 7,926     | 8.08                           | 14.6                                  | 1926          | 1,494,517 | 26,629    | 12.54                          | 21.6                                  |
| 1937                   | 737,646   | 13,086    | 10.04                          | 11.1                                  | 1927          | 1,444,124 | 24,029    | 11.97                          | 18.5                                  |

\* Overvalued, due to depreciation of Brazilian paper milreis. \* Average, July 1, 1915, to Dec. 31, 1920. Source Tables 637 and 638, Bureau of Foreign and Domestic Commerce.

## No. 639.—TRA: NET IMPORTS

[NOTE.—Quantity, except per capita, in thousands of pounds; value in thousands of dollars; per capita in pounds. Years ended June 30 through 1918, thereafter, calendar years. Beginning 1919, data relate to trade of continental United States only, see headnote, Table 638; prior to that time the small trade between the United States and noncontiguous territories is not included.]

| Yearly average or year | Quantity | Value  | Per capita | Yearly average or year | Quantity | Value  | Per capita | Year              | Quantity | Value  | Per capita |
|------------------------|----------|--------|------------|------------------------|----------|--------|------------|-------------------|----------|--------|------------|
| 1830                   | 5,873    | 1,532  | 0.54       | 1911-1915              | 95,199   | 17,176 | 0.99       | 1918              | 147,379  | 29,409 | 1.48       |
| 1840                   | 16,883   | 4,067  | .99        | 1916-1920 <sup>1</sup> | 106,988  | 22,526 | 1.03       | 1918 <sup>2</sup> | 76,865   | 16,461 | —          |
| 1850                   | 28,200   | 3,982  | 1.21       | 1921-1925              | 92,202   | 30,829 | .83        | 1919              | 65,074   | 15,056 | —          |
| 1851-1860              | 21,028   | 5,361  | .78        | 1910                   | 83,298   | 13,349 | .90        | 1920              | 87,801   | 23,408 | —          |
| 1861-1870              | 32,394   | 8,969  | .91        | 1911                   | 94,367   | 17,166 | 1.06       | 1921              | 75,002   | 13,797 | —          |
| 1871-1880              | 59,536   | 18,550 | 1.32       | 1912                   | 100,395  | 18,057 | 1.06       | 1922              | 98,888   | 23,067 | —          |
| 1881-1890              | 76,534   | 15,071 | 1.34       | 1913                   | 93,911   | 17,295 | .97        | 1923              | 102,157  | 28,860 | —          |
| 1891-1895              | 89,875   | 13,689 | 1.34       | 1914                   | 90,148   | 16,599 | .92        | 1924              | 90,490   | 26,608 | —          |
| 1896-1900              | 86,217   | 11,357 | 1.17       | 1915                   | 92,174   | 16,763 | .93        | 1925              | 99,467   | 30,967 | —          |
| 1901-1905              | 95,814   | 13,849 | 1.18       | 1916                   | 109,075  | 20,442 | 1.08       | 1926              | 94,512   | 30,855 | —          |
| 1906-1910              | 98,595   | 15,211 | 1.05       | 1917                   | 102,739  | 19,068 | 1.01       | 1927              | 87,896   | 27,601 | —          |

<sup>1</sup> Average for period July 1, 1915, to Dec. 31, 1920.

<sup>2</sup> June 30 to Dec. 31, 1918.

## No. 640.—IMPORTS OF COCOA AND CHOCOLATE

[NOTE.—Quantity in thousands of pounds; value in thousands of dollars. For data covering additional and fiscal years see Statistical Abstract, 1924, Table 577.]

| Yearly average or year | Cocoa and chocolate, prepared or manufactured <sup>1</sup> |        | Year | Cocoa and chocolate, prepared or manufactured <sup>1</sup> |        | Year | Cocoa and chocolate, prepared or manufactured <sup>1</sup> |        |
|------------------------|--|--------|------|--|--------|------|--|--------|
|                        | Quantity   | Value  |      | Quantity   | Value  |      | Quantity   | Value  |
| 1871-1880 <sup>2</sup> | 5,132  | 706    | 1906 | 77,363   | 9,494  | 1917 | 390,838  | 41,876 |
| 1881-1890              | 13,504   | 1,891  | 1906 | 84,127   | 9,698  | 1918 | 390,916  | 37,923 |
| 1891-1900              | 29,408   | 4,120  | 1907 | 97,060   | 14,579 | 1919 | 392,365  | 58,363 |
| 1901-1905              | 63,660   | 8,260  | 1908 | 89,606   | 15,284 | 1920 | 344,986  | 64,611 |
| 1906-1910              | 102,304  | 13,378 | 1909 | 132,661  | 15,562 | 1921 | 308,568  | 33,568 |
| 1911-1915              | 161,473  | 19,002 | 1910 | 111,070  | 11,966 | 1922 | 347,010  | 32,571 |
| 1916-1920              | 346,583  | 45,480 | 1911 | 140,970  | 15,261 | 1923 | 416,818  | 34,368 |
| 1921-1925              | 367,907  | 32,019 | 1912 | 148,786  | 16,590 | 1924 | 382,629  | 30,182 |
| 1901                   | 47,620   | 6,904  | 1913 | 143,510  | 18,177 | 1925 | 387,108  | 39,412 |
| 1902                   | 52,879   | 7,064  | 1914 | 179,373  | 21,504 | 1926 | 423,117  | 44,227 |
| 1903                   | 65,047   | 8,257  | 1915 | 194,734  | 23,478 | 1927 | 431,046  | 58,291 |
| 1904                   | 75,071   | 9,001  | 1916 | 244,911  | 34,092 |      |  |        |

<sup>1</sup> Fiscal years through 1915; calendar thereafter.

<sup>2</sup> Not including confectionery.

<sup>3</sup> Includes 3-year average for quantity of chocolate, and 9-year average for its value.

## No. 641.—FOREIGN TRADE IN SILK AND SILK MANUFACTURES

[Quantity in thousands of pounds; value, except average price per pound, in thousands of dollars.]

| Yearly average or year | Unmanufactured silk, imports |         |                         | Silk manufactures, value |         | Year | Unmanufactured silk, imports |         |                         | Silk manufactures, value |         |
|------------------------|------------------------------|---------|-------------------------|--------------------------|---------|------|------------------------------|---------|-------------------------|--------------------------|---------|
|                        | Quantity                     | Value   | Average price per pound | Imports                  | Exports |      | Quantity                     | Value   | Average price per pound | Imports                  | Exports |
| 1871-1880 <sup>1</sup> | 1,340                        | 6,390   | \$4.77                  | 27,063                   | 53      | 1911 | 26,666                       | 74,008  | \$2.81                  | 28,894                   | 1,289   |
| 1881-1890              | 5,328                        | 16,775  | 3.16                    | 34,162                   | 83      | 1912 | 26,565                       | 69,542  | 2.62                    | 24,561                   | 2,499   |
| 1891-1900              | 9,259                        | 26,843  | 2.90                    | 29,775                   | 368     | 1913 | 32,102                       | 84,915  | 2.65                    | 27,596                   | 2,491   |
| 1901-1905              | 15,796                       | 45,908  | 2.91                    | 32,215                   | 425     | 1914 | 34,546                       | 100,630 | 2.92                    | 35,459                   | 2,216   |
| 1906-1910              | 20,281                       | 67,414  | 3.32                    | 33,725                   | 835     | 1915 | 31,053                       | 83,131  | 2.68                    | 26,060                   | 2,754   |
| 1911-1915              | 30,190                       | 82,700  | 2.74                    | 28,306                   | 2,210   | 1916 | 40,872                       | 149,785 | 3.66                    | 37,110                   | 4,389   |
| 1916-1920              | 45,041                       | 235,332 | 5.16                    | 47,121                   | 10,735  | 1917 | 43,428                       | 189,753 | 4.37                    | 39,763                   | 8,499   |
| 1921-1925              | 62,030                       | 356,287 | 5.74                    | 40,941                   | 12,992  | 1918 | 48,721                       | 194,199 | 3.99                    | 29,569                   | 17,922  |
| 1901                   | 16,406                       | 34,051  | 2.69                    | 27,031                   | 254     | 1919 | 55,522                       | 341,887 | 6.16                    | 54,748                   | 23,908  |
| 1902                   | 14,235                       | 42,633  | 3.00                    | 32,888                   | 312     | 1920 | 39,090                       | 301,038 | 7.59                    | 75,419                   | 29,421  |
| 1903                   | 15,271                       | 50,011  | 3.27                    | 30,198                   | 482     | 1921 | 52,332                       | 264,723 | 5.06                    | 48,276                   | 9,679   |
| 1904                   | 16,723                       | 46,101  | 2.76                    | 32,173                   | 497     | 1922 | 58,467                       | 371,629 | 6.36                    | 37,413                   | 11,436  |
| 1905                   | 22,357                       | 61,040  | 2.73                    | 32,813                   | 630     | 1923 | 61,954                       | 401,655 | 6.48                    | 44,567                   | 11,136  |
| 1906                   | 17,352                       | 54,981  | 3.12                    | 33,138                   | 609     | 1924 | 60,603                       | 335,041 | 5.53                    | 37,699                   | 14,168  |
| 1907                   | 19,744                       | 71,412  | 3.61                    | 38,903                   | 708     | 1925 | 76,795                       | 406,386 | 5.32                    | 36,719                   | 18,488  |
| 1908                   | 19,062                       | 64,547  | 3.37                    | 32,968                   | 770     | 1926 | 77,666                       | 402,676 | 5.18                    | 40,570                   | 17,798  |
| 1909                   | 25,188                       | 79,904  | 3.17                    | 30,719                   | 926     | 1927 | 86,344                       | 399,088 | 4.62                    | 42,186                   | 18,297  |
| 1910                   | 23,457                       | 67,130  | 2.86                    | 32,896                   | 1,162   |      |                              |         |                         |                          |         |

<sup>1</sup> Fiscal years through 1915; calendar thereafter.

<sup>2</sup> Includes artificial silk prior to 1911.

<sup>3</sup> Raw silk.

Source of Tables 639, 640, and 641. Bureau of Foreign and Domestic Commerce.



## No. 642.—RUBBER: WORLD PRODUCTION AND UNITED STATES IMPORTS

[NOTE.—For value of imports see Table 502]

| Year | World production |             |   | United States <sup>1</sup> |            |           |                           | Average price per pound, New York |                     |
|------|------------------|-------------|---|----------------------------|------------|-----------|---------------------------|-----------------------------------|---------------------|
|      | Total            | Plan-tation | Total wild (mainly tropical America and Africa) | Imports                    | Reex-ports | Retained  |                           | Fine para                         | Ribbed smoked sheet |
|      |                  |             |   |                            |            | Amount    | Share of world production |                                   |                     |
|      | Long tons        | Long tons   | Long tons                                       | Long tons                  | Long tons  | Long tons | Per cent                  | Dollars                           | Dollars             |
| 1905 | 98,494           | 174         | 59,320  | 28,687                     | 1,616      | 27,021    | 45.4                      | 1.243                             | .....               |
| 1906 | 92,581           | 577         | 62,004  | 30,316                     | 1,676      | 28,640    | 45.8                      | 1.213                             | .....               |
| 1907 | 67,170           | 1,157       | 66,013  | 39,849                     | 1,832      | 28,817    | 42.9                      | 1.063                             | .....               |
| 1908 | 66,596           | 1,798       | 64,770  | 34,058                     | 1,665      | 32,403    | 48.7                      | .871                              | .....               |
| 1909 | 73,758           | 3,398       | 70,370  | 41,950                     | 2,156      | 38,794    | 54.0                      | 1.481                             | .....               |
| 1910 | 93,960           | 10,916      | 83,034  | 45,008                     | 2,749      | 42,264    | 45.0                      | 1.098                             | 2.068               |
| 1911 | 94,055           | 17,501      | 108,588   | 44,424                     | 2,823      | 41,601    | 44.6                      | 1.110                             | 1.413               |
| 1912 | 114,278          | 33,306      | 80,970  | 58,425                     | 2,455      | 55,979    | 49.0                      | 1.082                             | 1.216               |
| 1913 | 120,123          | 53,644      | 66,479  | 53,906                     | 1,881      | 52,025    | 43.8                      | .897                              | .639                |
| 1914 | 123,173          | 74,587      | 48,586  | .....                      | 2,618      | 62,206    | 50.6                      | .616                              | .653                |
| 1915 | 170,826          | 118,370     | 54,456  | 101,083                    | 2,082      | 99,011    | 58.0                      | .657                              | .689                |
| 1916 | 214,689          | 161,842     | 52,247  | 121,709                    | 4,098      | 117,611   | 54.9                      | .699                              | .726                |
| 1917 | 278,140          | 231,452     | 46,688  | 183,255                    | 4,000      | 179,255   | 64.4                      | .646                              | .723                |
| 1918 | 219,664          | 181,661     | 38,003  | 146,132                    | 2,746      | 143,386   | 65.3                      | .549                              | .602                |
| 1919 | 299,731          | 248,980     | 50,741  | 240,689                    | 2,292      | 238,407   | 59.6                      | .493                              | .487                |
| 1920 | 341,994          | 306,106     | 35,888  | 253,680                    | 4,100      | 249,580   | 73.0                      | .333                              | .363                |
| 1921 | 201,618          | 277,516     | 24,102  | 185,482                    | 5,716      | 179,766   | 59.8                      | .182                              | .163                |
| 1922 | 406,398          | 379,520     | 26,878  | 301,203                    | 4,809      | 296,394   | 72.9                      | .182                              | .175                |
| 1923 | 408,719          | 389,271     | 28,448  | 310,299                    | 8,772      | 301,527   | 73.8                      | .268                              | .286                |
| 1924 | 426,178          | 383,931     | 32,247  | 329,323                    | 10,309     | 319,013   | 74.9                      | .212                              | .282                |
| 1925 | 527,549          | 488,523     | 39,026  | 400,423                    | 14,827     | 385,596   | 73.1                      | .599                              | .726                |
| 1926 | 624,045          | 583,730     | 40,315  | 417,643                    | 17,671     | 399,972   | 64.1                      | .....                             | .487                |
| 1927 | 610,000          | 565,000     | 45,000  | 431,246                    | 27,775     | 403,471   | 66.1                      | .296                              | .361                |

<sup>1</sup> Includes guayule.<sup>2</sup> Preliminary estimates.

Source: Bureau of Foreign and Domestic Commerce (compiled from various original sources); prices, Bureau of Labor Statistics, Department of Labor.

## No. 643.—ACREAGE AND PRODUCTION OF SPRING AND WINTER WHEAT

[Acreage in thousands and production in thousands of bushels]

| Year | Winter wheat |            |             |                          | Spring wheat |             |                          |
|------|--------------|------------|-------------|--------------------------|--------------|-------------|--------------------------|
|      | Acreage      |            | Produc-tion | Yield per acre (bushels) | Acreage      | Produc-tion | Yield per acre (bushels) |
|      | Sown         | Har-vested |             |                          |              |             |                          |
| 1911 | 32,648       | 29,162     | 430,656     | 14.8                     | 20,381       | 190,682     | 9.4                      |
| 1912 | 33,229       | 26,571     | 399,919     | 15.1                     | 19,243       | 330,348     | 17.2                     |
| 1913 | 33,274       | 31,699     | 523,561     | 16.5                     | 18,485       | 230,819     | 12.0                     |
| 1914 | 37,158       | 36,008     | 684,990     | 19.0                     | 17,533       | 206,027     | 11.8                     |
| 1915 | 42,431       | 41,308     | 673,947     | 16.3                     | 19,161       | 351,854     | 18.4                     |
| 1916 | 39,245       | 34,709     | 480,553     | 13.8                     | 17,607       | 155,765     | 8.8                      |
| 1917 | 39,859       | 27,257     | 412,901     | 15.1                     | 17,832       | 223,754     | 12.5                     |
| 1918 | 43,126       | 37,120     | 565,099     | 15.2                     | 22,051       | 356,339     | 16.2                     |
| 1919 | 51,483       | 50,494     | 760,377     | 15.1                     | 25,200       | 207,602     | 8.2                      |
| 1920 | 44,861       | 40,016     | 610,597     | 15.3                     | 21,127       | 222,430     | 10.5                     |
| 1921 | 45,625       | 42,414     | 600,316     | 13.8                     | 20,262       | 214,599     | 10.6                     |
| 1922 | 47,930       | 42,354     | 586,678     | 13.8                     | 19,959       | 290,739     | 14.1                     |
| 1923 | 46,691       | 39,508     | 571,777     | 14.5                     | 20,131       | 225,617     | 11.2                     |
| 1924 | 38,916       | 35,656     | 592,259     | 16.6                     | 16,879       | 272,169     | 16.1                     |
| 1925 | 39,848       | 31,224     | 401,734     | 12.9                     | 21,021       | 274,695     | 13.1                     |
| 1926 | 39,687       | 36,987     | 627,432     | 17.0                     | 19,850       | 203,607     | 10.6                     |
| 1927 | 43,465       | 37,872     | 562,284     | 14.6                     | 20,711       | 319,207     | 15.4                     |

Source: Bureau of Agricultural Economics, Department of Agriculture.

**No. 644.—WHEAT: SUPPLY AND DISTRIBUTION AND PER CAPITA DISAPPEARANCE FOR FOOD, ETC., IN THE UNITED STATES**

[All quantities, except per capita, in thousands of bushels]

| Item  | Year beginning July 1 |                    |                    |                    |                |                |         |
|---|-----------------------|--------------------|--------------------|--------------------|----------------|----------------|---------|
|   | 1899-1908, average    | 1909-1913, average | 1914-1920, average | 1921-1925, average | 1925           | 1926           | 1927    |
| <b>Supply, total</b> .....  | <b>791,629</b>        | <b>782,287</b>     | <b>951,935</b>     | <b>923,866</b>     | <b>815,215</b> | <b>952,098</b> | -----   |
| On hand July 1:   |                       |                    |                    |                    |                |                |         |
| Stocks on farms.....  | 46,423                | 28,872             | 32,631             | 37,059             | 29,357         | 20,973         | 27,215  |
| Stocks in country mills and elevators <sup>1</sup> .....                        | 27,000                | 29,000             | 26,997             | 30,991             | 25,287         | 28,490         | 22,075  |
| Commercial visible (Bradstreet's).....  | 31,817                | 24,168             | 19,290             | 25,519             | 20,285         | 16,484         | 25,516  |
| Stocks of flour (in terms of wheat) <sup>1</sup> .....                          | 7,709                 | 8,305              | 8,606              | 8,576              | 8,530          | 9,757          | 9,076   |
| In merchant mills and elevators.....  |                       |                    |                    |                    | 21,648         | 24,640         | 37,321  |
| In transit.....   |                       |                    |                    |                    | 9,000          | 7,390          | 11,360  |
| New crop.....   | 677,927               | 690,108            | 844,605            | 804,148            | 676,429        | 831,040        | 871,691 |
| Imports (flour included).....   | 753                   | 1,834              | 19,806             | 17,473             | 15,679         | 13,264         | -----   |
| <b>Distribution, total</b> .....  | <b>331,408</b>        | <b>280,519</b>     | <b>437,581</b>     | <b>394,373</b>     | <b>302,003</b> | <b>429,998</b> | -----   |
| Exports (flour included).....   | 156,435               | 107,103            | 257,030            | 207,237            | 108,035        | 219,160        | -----   |
| Reexports.....  | 399                   | 195                | 562                | 221                | 313            | 98             | -----   |
| Shipments (flour included) to Alaska, Hawaii, and Porto Rico <sup>1</sup> ..... | 2,034                 | 2,549              | 2,546              | 2,836              | 2,741          | 3,062          | -----   |
| Estimated seed requirements.....  | 70,444                | 72,326             | 88,312             | 86,849             | 83,180         | 85,000         | -----   |
| Carry over at end of year:  |                       |                    |                    |                    |                |                |         |
| On farms.....   | 40,654                | 32,485             | 36,127             | 29,913             | 20,973         | 27,215         | -----   |
| In country mills and elevators <sup>1</sup> .....                               | 25,400                | 31,600             | 26,449             | 31,255             | 28,490         | 22,075         | -----   |
| Commercial visible (Bradstreet's).....  | 28,668                | 25,326             | 18,265             | 26,822             | 16,484         | 25,516         | -----   |
| Flour (in terms of wheat).....  | 7,374                 | 8,935              | 8,290              | 9,240              | 9,757          | 9,076          | -----   |
| In merchant mills and elevators.....  |                       |                    |                    |                    | 24,640         | 37,321         | -----   |
| In transit.....   |                       |                    |                    |                    | 7,390          | 11,360         | -----   |
| <b>Disappearance for food, feed, and loss</b> .....                             | <b>460,221</b>        | <b>501,768</b>     | <b>514,354</b>     | <b>529,493</b>     | <b>513,212</b> | <b>512,125</b> | -----   |
| Per capita (bushels).....   | 5.6                   | 5.3                | 5.0                | 4.7                | 4.4            | 4.3            | -----   |

<sup>1</sup> From Chicago Daily Trade Bulletin. Stocks in country mills and elevators, from 1899-1918, are stocks in second hands less visible supply on July 1, as given by Chicago Daily Trade Bulletin.

<sup>2</sup> 7-year average.

Source: Compiled from various sources by the Bureau of Agricultural Economics, Department of Agriculture.

**No. 645.—VISIBLE SUPPLY OF GRAIN IN UNITED STATES: As Reported on SATURDAY NEAREST THE FIRST OF EACH MONTH**

[All figures in thousands of bushels]

**WHEAT<sup>1</sup>**

| Year beginning July 1-- | July   | Aug.   | Sept.  | Oct.   | Nov.    | Dec.    | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   |
|-------------------------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| 1909-1913, avg..        | 24,168 | 28,569 | 37,458 | 48,202 | 56,838  | 63,908  | 66,229 | 62,228 | 58,419 | 53,802 | 43,857 | 34,183 |
| 1914-1920, avg..        | 19,290 | 24,822 | 38,946 | 55,865 | 69,909  | 76,250  | 75,530 | 69,586 | 60,014 | 49,475 | 35,591 | 27,728 |
| 1921-1925, avg..        | 25,519 | 34,513 | 52,612 | 64,541 | 66,786  | 67,445  | 68,605 | 62,988 | 59,746 | 52,365 | 43,975 | 35,777 |
| 1923.....               | 29,403 | 40,526 | 63,922 | 72,930 | 79,034  | 82,269  | 84,030 | 75,111 | 72,914 | 66,739 | 50,383 | 48,656 |
| 1924.....               | 38,597 | 46,193 | 79,700 | 92,353 | 100,712 | 108,997 | 99,121 | 84,476 | 76,437 | 62,766 | 49,529 | 38,328 |
| 1925.....               | 29,285 | 34,041 | 39,800 | 56,639 | 52,394  | 52,686  | 59,244 | 52,730 | 48,105 | 38,173 | 33,798 | 23,170 |
| 1926.....               | 16,486 | 34,575 | 72,884 | 84,724 | 81,175  | 78,910  | 70,811 | 62,317 | 61,271 | 53,827 | 42,402 | 31,116 |
| 1927.....               | 25,516 | 37,533 | 71,908 | 88,755 | 98,675  | 100,013 | 94,336 | 83,720 | 77,949 | 73,220 | 66,184 | 52,400 |

**CORN<sup>2</sup>**

| Year beginning Nov. 1 | Nov.   | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   |
|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1909-1913, avg.       | 3,352  | 2,088  | 7,342  | 10,406 | 15,165 | 16,233 | 8,358  | 4,656  | 7,980  | 4,583  | 3,566  | 5,444  |
| 1914-1920, avg.       | 3,763  | 2,953  | 6,909  | 12,521 | 17,069 | 18,949 | 13,827 | 9,059  | 8,509  | 6,140  | 4,048  | 5,245  |
| 1921-1925, avg.       | 7,679  | 7,861  | 17,054 | 23,496 | 31,478 | 34,183 | 26,334 | 17,732 | 16,882 | 11,558 | 8,053  | 8,853  |
| 1923.....             | 809    | 2,690  | 8,799  | 9,379  | 18,898 | 26,074 | 17,978 | 12,288 | 8,279  | 4,887  | 5,070  | 7,154  |
| 1924.....             | 8,097  | 7,563  | 18,573 | 27,571 | 32,292 | 32,727 | 23,379 | 17,140 | 13,094 | 6,093  | 6,524  | 5,470  |
| 1925.....             | 1,790  | 2,461  | 17,861 | 28,092 | 33,878 | 36,485 | 32,408 | 25,453 | 30,333 | 24,930 | 19,771 | 17,381 |
| 1926.....             | 22,258 | 28,699 | 34,712 | 38,792 | 45,103 | 47,244 | 36,621 | 29,961 | 34,427 | 30,205 | 22,312 | 23,687 |
| 1927.....             | 20,574 | 19,216 | 27,034 | 31,849 | 40,988 | 43,865 | 33,556 | 25,496 | 16,008 | 13,267 | -----  | -----  |

<sup>1</sup> Bradstreet's.

<sup>2</sup> Chicago Board of Trade.

**No. 645.—VISIBLE SUPPLY OF GRAIN IN UNITED STATES: AS REPORTED ON SATURDAY NEAREST THE FIRST OF EACH MONTH—Continued**
OATS<sup>1</sup>

| Year beginning Aug. 1— | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1909-1913, avg.        | 7,185  | 13,400 | 18,525 | 19,024 | 17,909 | 14,286 | 14,857 | 14,521 | 13,899 | 10,748 | 7,896  | 7,894  |
| 1914-1920, avg.        | 7,879  | 14,984 | 23,791 | 26,613 | 28,498 | 28,660 | 26,513 | 26,208 | 23,404 | 20,717 | 17,141 | 13,698 |
| 1921-1923, avg.        | 21,818 | 34,206 | 47,372 | 51,211 | 50,468 | 51,075 | 50,611 | 49,053 | 43,708 | 36,706 | 28,498 | 26,539 |
| 1923.....              | 5,477  | 10,111 | 16,514 | 20,488 | 18,686 | 19,940 | 17,539 | 17,741 | 16,715 | 10,656 | 6,720  | 5,264  |
| 1924.....              | 3,086  | 11,408 | 52,715 | 66,564 | 67,265 | 72,128 | 73,570 | 72,386 | 61,104 | 48,082 | 36,331 | 33,283 |
| 1925.....              | 26,298 | 80,708 | 65,818 | 64,926 | 64,251 | 63,187 | 63,076 | 58,974 | 52,023 | 47,025 | 38,976 | 37,009 |
| 1926.....              | 33,772 | 43,671 | 48,450 | 48,097 | 48,299 | 44,927 | 45,422 | 43,464 | 37,145 | 39,573 | 30,502 | 17,790 |
| 1927.....              | 12,002 | 21,501 | 24,931 | 23,857 | 23,252 | 21,907 | 20,350 | 19,791 | 15,746 | 11,168 | 7,086  | 3,226  |

<sup>1</sup> Chicago Board of Trade.

Source: Bureau of Agricultural Economics, Department of Agriculture.

**No. 646.—EXPORTS (DOMESTIC) AND IMPORTS OF WHEAT, CORN, RICE, TOBACCO, AND FLAXSEED**

| Yearly average or year ended June 30— | Domestic exports |               |                              | Imports—wheat and flour <sup>1</sup> | Year ended June 30— | Domestic exports |               |                              | Imports—wheat and flour <sup>1</sup> |
|---------------------------------------|------------------|---------------|------------------------------|--------------------------------------|---------------------|------------------|---------------|------------------------------|--------------------------------------|
|                                       | Wheat (grain)    | Wheat flour   | Wheat and flour <sup>1</sup> |                                      |                     | Wheat (grain)    | Wheat flour   | Wheat and flour <sup>1</sup> |                                      |
|                                       | 1,000 bushels    | 1,000 barrels | 1,000 bushels                |                                      |                     | 1,000 bushels    | 1,000 barrels | 1,000 bushels                |                                      |
| 1852-1856.....                        | 4,715            | 2,892         | 19,173                       | 4,178                                | 1913.....           | 91,603           | 11,396        | 142,880                      | 1,263                                |
| 1857-1861.....                        | 12,378           | 3,318         | 28,970                       | 2,617                                | 1914.....           | 92,394           | 11,821        | 145,500                      | 2,384                                |
| 1862-1866.....                        | 22,530           | 3,531         | 40,194                       | .....                                | 1915.....           | 259,643          | 16,183        | 332,465                      | 715                                  |
| 1867-1871.....                        | 22,107           | 2,585         | 35,032                       | 1,818                                | 1916.....           | 173,274          | 16,521        | 243,117                      | 7,186                                |
| 1872-1876.....                        | 48,958           | 3,416         | 66,037                       | 1,680                                | 1917.....           | 149,831          | 11,943        | 203,574                      | 24,925                               |
| 1877-1881.....                        | 107,781          | 5,376         | 133,263                      | 906                                  | 1918.....           | 34,119           | 21,860        | 132,579                      | 31,216                               |
| 1882-1886.....                        | 82,884           | 8,620         | 121,675                      | 517                                  | 1919.....           | 178,583          | 24,182        | 287,402                      | 11,289                               |
| 1887-1891.....                        | 64,739           | 11,287        | 115,529                      | 352                                  | 1920.....           | 122,431          | 21,652        | 219,865                      | 5,498                                |
| 1892-1896.....                        | 90,914           | 15,713        | 170,634                      | 1,634                                | 1921.....           | 293,268          | 16,180        | 306,077                      | 57,308                               |
| 1897-1901.....                        | 120,247          | 17,151        | 197,427                      | 1,280                                | 1922.....           | 208,321          | 15,797        | 279,407                      | 17,261                               |
| 1902-1906.....                        | 70,527           | 15,444        | 140,026                      | 993                                  | 1923.....           | 154,951          | 14,863        | 221,923                      | 19,945                               |
| 1907-1911.....                        | 62,855           | 11,841        | 116,138                      | 706                                  | 1924.....           | 78,793           | 17,253        | 156,420                      | 26,045                               |
| 1912-1916.....                        | 129,416          | 13,185        | 188,748                      | 2,996                                | 1925.....           | 195,490          | 13,896        | 258,023                      | 6,199                                |
| 1917-1921.....                        | 155,646          | 19,167        | 241,899                      | 20,064                               | 1926.....           | 63,199           | 9,542         | 108,036                      | 15,680                               |
| 1922-1926.....                        | 140,129          | 14,274        | 204,764                      | 17,424                               | 1927.....           | 156,250          | 13,385        | 219,160                      | 13,263                               |

| Yearly average or year ended June 30— | Corn <sup>1</sup> |               | Rice <sup>2</sup> |              | Flaxseed      |               | Unmanufactured tobacco |              |
|---------------------------------------|-------------------|---------------|-------------------|--------------|---------------|---------------|------------------------|--------------|
|                                       | Exports           | Imports       | Exports           | Imports      | Exports       | Imports       | Exports                | Imports      |
|                                       | 1,000 bushels     | 1,000 bushels | 1,000 pounds      | 1,000 pounds | 1,000 bushels | 1,000 bushels | 1,000 pounds           | 1,000 pounds |
| 1852-1856.....                        | 7,123             | .....         | 56,515            | .....        | 11            | 1,133         | 140,184                | 5,044        |
| 1857-1861.....                        | 6,558             | .....         | 65,732            | .....        | 7             | .....         | 167,711                | 5,184        |
| 1862-1866.....                        | 12,000            | .....         | 2,258             | 70,893       | 16            | 1,037         | 140,208                | .....        |
| 1867-1871.....                        | 9,924             | 75            | 1,857             | 52,954       | (*)           | .....         | 194,754                | 5,631        |
| 1872-1876.....                        | 28,561            | 67            | 391               | 72,536       | (*)           | 2,915         | 241,848                | 8,886        |
| 1877-1881.....                        | 88,190            | 42            | 602               | 62,613       | (*)           | 1,224         | 246,315                | 7,871        |
| 1882-1886.....                        | 49,992            | 24            | 561               | 99,871       | (*)           | 1,541         | 237,942                | 13,673       |
| 1887-1891.....                        | 54,606            | 15            | 3,210             | 156,859      | 66            | 1,833         | 259,248                | 21,640       |
| 1892-1896.....                        | 63,980            | 8             | 10,278            | 160,808      | 1,516         | 1,181         | 241,746                | 25,871       |
| 1897-1901.....                        | 192,531           | 4             | 18,407            | 165,232      | 2,680         | 404           | 304,402                | 15,958       |
| 1902-1906.....                        | 74,615            | 20            | 45,978            | 150,914      | 2,960         | 234           | 325,589                | 33,805       |
| 1907-1911.....                        | 56,568            | 92            | 27,195            | 215,892      | 2,313         | 3,249         | 334,396                | 42,813       |
| 1912-1916.....                        | 38,774            | 5,889         | 60,043            | 250,775      | 87            | 9,227         | 408,006                | 55,586       |
| 1917-1921.....                        | 45,296            | 4,950         | 299,021           | 262,514      | 13            | 14,760        | 496,924                | 74,506       |
| 1922-1926.....                        | 66,759            | 1,149         | 300,030           | 74,178       | (*)           | 18,198        | 490,676                | 66,470       |
| 1921.....                             | 70,906            | 5,743         | 440,855           | 96,806       | 1             | 16,170        | 506,526                | 58,923       |
| 1922.....                             | 179,490           | 125           | 741,509           | 73,620       | 2             | 13,632        | 463,386                | 65,225       |
| 1923.....                             | 96,896            | 138           | 370,670           | 69,536       | (*)           | 26,006        | 454,364                | 75,786       |
| 1924.....                             | 23,135            | 228           | 227,757           | 38,216       | (*)           | 19,577        | 597,630                | 54,497       |
| 1925.....                             | 9,791             | 4,617         | 112,037           | 57,677       | (*)           | 13,419        | 430,702                | 76,870       |
| 1926.....                             | 24,781            | 635           | 48,176            | 131,848      | (*)           | 19,354        | 537,239                | 69,973       |
| 1927.....                             | 19,819            | 1,098         | 303,994           | 61,053       | (*)           | 24,224        | 516,566                | 92,957       |

<sup>1</sup> Flour included in terms of grain.<sup>2</sup> Includes flour, meal, etc.<sup>3</sup> Not separately reported.<sup>4</sup> Including meal in terms of grain.<sup>5</sup> Less than 800 bushels.<sup>6</sup> 3-year average.

Source: Bureau of Foreign and Domestic Commerce; for data covering additional individual years, see Statistical Abstract, 1924, Table 577.

**No. 647.—YEARLY WEIGHTED AVERAGE FARM PRICES OF SPECIFIED CROPS:  
By Crop Years, for the United States as a Whole**

[NOTE.—All prices in cents per bushel except for hays and cottonseed, which are in dollars per ton; cotton and peanuts in cents per pound; and timothy, clover, and alfalfa seeds in dollars per bushel. Crop year ends in May for apples; in July for oats, barley, cotton, cottonseed, and timothy seed, in August for flaxseed, buckwheat, clover seed; in October for corn and peanuts; and in June for other crops named. For index numbers of prices of farm products by great groups see Table 562.]

| Crop year ending— | Wheat <sup>1</sup> | Corn  | Oats | Barley | Rye   | Buck-<br>wheat | Flaxseed |
|-------------------|--------------------|-------|------|--------|-------|----------------|----------|
| 1909              | 94.8               | 86.9  | 49.2 | 57.0   | 74.5  | 77.3           | 117.3    |
| 1910              | 100.7              | 83.2  | 43.2 | 55.6   | 74.6  | 72.1           | 148.6    |
| 1911              | 91.7               | 83.5  | 36.2 | 60.8   | 73.4  | 67.5           | 229.6    |
| 1912              | 88.8               | 88.6  | 46.1 | 81.9   | 81.0  | 75.4           | 195.8    |
| 1913              | 83.3               | 86.7  | 34.9 | 92.7   | 68.7  | 68.3           | 127.4    |
| 1914              | 79.3               | 71.6  | 38.9 | 63.0   | 62.9  | 76.6           | 123.9    |
| 1915              | 99.4               | 71.4  | 44.9 | 54.8   | 83.3  | 81.1           | 131.6    |
| 1916              | 98.2               | 69.6  | 39.3 | 53.9   | 85.0  | 81.5           | 169.0    |
| 1917              | 144.4              | 119.0 | 51.4 | 83.4   | 112.0 | 136.5          | 233.6    |
| 1918              | 205.8              | 148.1 | 72.1 | 122.5  | 176.4 | 167.1          | 315.9    |
| 1919              | 206.3              | 153.1 | 70.1 | 100.0  | 162.1 | 164.7          | 374.2    |
| 1920              | 218.6              | 151.5 | 80.3 | 124.9  | 146.9 | 159.2          | 427.0    |
| 1921              | 182.9              | 62.1  | 51.1 | 70.7   | 148.2 | 126.3          | 217.6    |
| 1922              | 104.4              | 54.3  | 33.4 | 48.4   | 86.9  | 89.1           | 171.0    |
| 1923              | 98.0               | 76.7  | 39.0 | 51.8   | 68.1  | 89.9           | 309.5    |
| 1924              | 92.4               | 84.0  | 42.6 | 50.5   | 59.4  | 96.2           | 212.2    |
| 1925              | 127.8              | 106.8 | 48.3 | 77.1   | 90.3  | 108.6          | 282.7    |
| 1926              | 148.9              | 70.4  | 38.8 | 58.7   | 83.1  | 87.5           | 234.7    |
| 1927              | 122.8              | 73.7  | 41.1 | 59.4   | 84.2  | 87.0           | 197.4    |

| Crop year ending— | Potatoes | Sweet<br>potatoes | Apples           | Cotton | Cotton-<br>seed  | Peanuts          | All hay<br>(loose) |
|-------------------|----------|-------------------|------------------|--------|------------------|------------------|--------------------|
| 1909              | 79.0     | ( <sup>1</sup> )  | ( <sup>2</sup> ) | 9.0    | ( <sup>3</sup> ) | ( <sup>4</sup> ) | 9.47               |
| 1910              | 87.9     | ( <sup>1</sup> )  | ( <sup>2</sup> ) | 13.5   | ( <sup>3</sup> ) | ( <sup>4</sup> ) | 10.59              |
| 1911              | 61.3     | 78.7              | 88.1             | 14.0   | 25.82            | 4.6              | 11.54              |
| 1912              | 99.5     | 92.2              | 78.6             | 9.6    | 17.08            | 4.4              | 14.36              |
| 1913              | 55.6     | 85.6              | 66.8             | 11.5   | 19.10            | 4.6              | 11.17              |
| 1914              | 70.6     | 64.0              | 93.0             | 12.5   | 22.39            | 4.6              | 11.49              |
| 1915              | 58.0     | 84.6              | 62.7             | 7.4    | 16.60            | 4.4              | 10.93              |
| 1916              | 70.8     | 78.4              | 71.0             | 11.2   | 32.65            | 4.3              | 10.34              |
| 1917              | 166.3    | 92.9              | 90.7             | 17.3   | 49.13            | 4.5              | 11.21              |
| 1918              | 122.6    | 122.3             | 113.6            | 27.1   | 66.15            | 7.1              | 16.60              |
| 1919              | 125.6    | 150.0             | 137.5            | 23.8   | 65.23            | 6.5              | 19.66              |
| 1920              | 221.8    | 161.7             | 186.1            | 35.2   | 67.27            | 9.2              | 21.34              |
| 1921              | 131.5    | 144.8             | 133.8            | 15.8   | 22.96            | 4.7              | 16.51              |
| 1922              | 121.3    | 110.9             | 196.2            | 17.0   | 29.72            | 3.7              | 11.83              |
| 1923              | 73.9     | 97.4              | 109.4            | 23.8   | 34.70            | 5.5              | 11.66              |
| 1924              | 94.2     | 121.7             | 117.4            | 38.7   | 42.23            | 6.5              | 12.98              |
| 1925              | 76.5     | 152.4             | 122.1            | 22.9   | 34.08            | 6.7              | 12.76              |
| 1926              | 183.5    | 165.9             | 127.0            | 19.6   | 30.82            | 4.7              | 12.77              |
| 1927              | 140.8    | 120.3             | 88.3             | 12.5   | 21.63            | 4.8              | 12.22              |

| Crop year ending— | Prairie<br>hay | Timothy<br>hay | Clover<br>hay | Alfalfa<br>hay | Timothy<br>seed | Clover<br>seed | Alfalfa<br>seed |
|-------------------|----------------|----------------|---------------|----------------|-----------------|----------------|-----------------|
| 1915              | 7.69           | 13.87          | 12.83         | 9.12           | 2.49            | 8.41           | 7.83            |
| 1916              | 7.13           | 13.09          | 11.29         | 9.39           | 2.80            | 9.98           | 9.16            |
| 1917              | 8.61           | 12.83          | 11.33         | 12.76          | 2.42            | 9.54           | 8.76            |
| 1918              | 13.31          | 18.67          | 17.21         | 18.42          | 3.50            | 14.45          | 8.66            |
| 1919              | 16.03          | 22.66          | 20.93         | 20.35          | 4.19            | 21.01          | 16.40           |
| 1920              | 16.75          | 25.13          | 23.69         | 22.70          | 4.99            | 23.84          | 16.97           |
| 1921              | 10.94          | 20.64          | 19.48         | 15.96          | 3.29            | 11.81          | 11.74           |
| 1922              | 7.62           | 14.82          | 14.15         | 10.66          | 2.64            | 11.14          | 8.23            |
| 1923              | 8.79           | 14.18          | 13.03         | 12.82          | 2.60            | 10.71          | 9.36            |
| 1924              | 8.92           | 16.53          | 15.14         | 13.54          | 3.19            | 12.38          | 10.63           |
| 1925              | 8.70           | 14.30          | 12.43         | 13.81          | 3.11            | 15.35          | 11.68           |
| 1926              | 9.36           | 15.40          | 14.52         | 13.52          | 3.33            | 15.87          | 10.09           |
| 1927              | 10.87          | 15.42          | 15.00         | 13.57          | 3.61            | 19.06          | 9.65            |

<sup>1</sup> Prices weighted by current monthly marketings.

<sup>2</sup> Not available.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 648.—GRAIN PRICES: WEIGHTED AVERAGE MARKET PRICE PER BUSHEL OF REPORTED CASH SALES

| Yearly average or<br>crop year ending— | Wheat,<br>July-June                               |   |   | Corn,<br>Nov.-Oct.                     |   | Oats,<br>Aug.-July               |   | Bar-<br>ley,<br>Aug.-<br>July   | Rye,<br>July-<br>June  | Flax-<br>seed,<br>Sept.-<br>Aug. <sup>1</sup> | Kafir,<br>Nov.-<br>Oct. <sup>1</sup>    |
|--|---|---|---|--|---|----------------------------------|---|---------------------------------|------------------------|---|---|
|  | No. 1,<br>North-<br>ern,<br>Min-<br>neapo-<br>lis | No. 2,<br>Hard<br>Win-<br>ter,<br>Kan-<br>sas<br>City | No. 2,<br>Red<br>Win-<br>ter,<br>Chi-<br>cago | No. 3,<br>Yel-<br>low,<br>Chi-<br>cago | No. 3,<br>Yel-<br>low,<br>Kan-<br>sas<br>City | No. 3,<br>White,<br>Chi-<br>cago | No. 3,<br>White,<br>Min-<br>neapo-<br>lis | No. 2,<br>Min-<br>neapo-<br>lis | No. 2,<br>Chi-<br>cago | No. 1,<br>Min-<br>neapo-<br>lis               | No. 2,<br>White,<br>Kan-<br>sas<br>City |
| 1910-1914.....                         | \$0.99  | \$0.95  | \$0.99  | \$0.61                                 | \$0.60  | \$0.40                           | \$0.38                                    | \$0.64                          | \$0.76                 | \$1.92  | \$1.34                                  |
| 1915-1921.....                         | 1.90  | 1.85  | 1.83  | 1.15                                   | 1.12  | .60                              | .58                                       | 1.02                            | 1.52                   | 3.03  | 2.17                                    |
| 1922-1926.....                         | 1.39  | 1.27  | 1.33  | .79                                    | .78   | .42                              | .38                                       | .65                             | .94                    | 2.47  | 1.52                                    |
| 1913.....                              | .87   | .88   | 1.03  | .53                                    | .55   | .33                              | .33                                       | .48                             | .65                    | 1.38  | 1.06                                    |
| 1914.....                              | .88   | .84   | .88   | .70                                    | .67   | .40                              | .38                                       | .51                             | .64                    | 1.52  | 1.74                                    |
| 1915.....                              | 1.20  | 1.05  | 1.08  | .70                                    | .72   | .50                              | .48                                       | .66                             | 1.05                   | 1.70  | 1.17                                    |
| 1916.....                              | 1.09  | 1.19  | 1.13  | .79                                    | .69   | .41                              | .38                                       | .63                             | .99                    | 2.04  | 1.19                                    |
| 1917.....                              | 1.76  | 1.71  | 1.68  | 1.11                                   | 1.06  | .54                              | .52                                       | 1.17                            | 1.54                   | 2.91  | 3.24                                    |
| 1918.....                              | 2.20  | 2.52  | 2.25  | 1.63                                   | 1.63  | .71                              | .71                                       | 1.49                            | 2.11                   | 3.78  | 3.28                                    |
| 1919.....                              | 2.25  | 2.19  | 2.22  | 1.62                                   | 1.56  | .70                              | .66                                       | 1.00                            | 1.61                   | 4.19  | 2.86                                    |
| 1920.....                              | 2.72  | 2.42  | 2.24  | 1.59                                   | 1.60  | .80                              | .80                                       | 1.43                            | 1.70                   | 4.52  | 2.41                                    |
| 1921.....                              | 2.07  | 1.83  | 2.23  | .62                                    | .59   | .51                              | .48                                       | .74                             | 1.62                   | 2.09  | 1.06                                    |
| 1922.....                              | 1.43  | 1.20  | 1.25  | .55                                    | .54   | .35                              | .32                                       | .55                             | .97                    | 2.19  | 1.36                                    |
| 1923.....                              | 1.20  | 1.13  | 1.14  | .73                                    | .74   | .41                              | .36                                       | .58                             | .81                    | 2.58  | 1.63                                    |
| 1924.....                              | 1.17  | 1.05  | 1.02  | .88                                    | .78   | .45                              | .40                                       | .63                             | .70                    | 2.44  | 1.51                                    |
| 1925.....                              | 1.56  | 1.35  | 1.58  | 1.06                                   | 1.12  | .50                              | .47                                       | .84                             | 1.25                   | 2.63  | 1.81                                    |
| 1926.....                              | 1.61  | 1.63  | 1.64  | .75                                    | .74   | .41                              | .37                                       | .67                             | .96                    | 2.52  | 1.30                                    |
| 1927.....                              | 1.46  | 1.35  | 1.38  | .87                                    | .88   | .43                              | .42                                       | .71                             | 1.01                   | 2.24  | 1.20                                    |

<sup>1</sup> Average closing price through December, 1920. <sup>1</sup> Price per 100 pounds.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 649.—GRAIN RECEIVED AT SIX ATLANTIC PORTS

[NOTE.—Data are for calendar years. Total receipts by ports include flour, meal, and malt reduced to grain equivalent. Receipts at New York, Boston, Philadelphia, and Baltimore include shipments from the West to foreign countries through these ports on through bills of lading. Receipts at Baltimore include flour ground by city millers, and therefore duplicate an equivalent quantity of wheat received in grain]

|  | 1910                | 1915                 | 1920                 | 1924                 | 1925                 | 1926                 | 1927                 |
|--|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| TOTALS BY PORTS                          |                     |                      |                      |                      |                      |                      |                      |
| New York, total.....                     | 1,000 bu.<br>93,320 | 1,000 bu.<br>220,667 | 1,000 bu.<br>145,534 | 1,000 bu.<br>188,726 | 1,000 bu.<br>189,162 | 1,000 bu.<br>173,062 | 1,000 bu.<br>166,224 |
| By canal via river.....                  | 10,168              | 2,504                | 4,139                | 23,668               | 32,767               | 28,899               | 29,668               |
| Coastwise and river.....                 | 410                 | 7,120                | 5,966                | 1,467                | 9                    | 40                   | 631                  |
| By rail.....                             | 82,742              | 211,044              | 135,429              | 163,591              | 156,386              | 144,123              | 135,925              |
| Boston.....                              | 22,402              | 28,097               | 13,099               | 12,722               | 11,911               | 13,264               | 13,694               |
| Philadelphia.....                        | 28,736              | 69,772               | 45,148               | 50,729               | 55,933               | 34,606               | 34,154               |
| Baltimore.....                           | 32,272              | 105,856              | 74,260               | 43,498               | 35,552               | 33,775               | 35,459               |
| New Orleans.....                         | 16,213              | 56,774               | 72,976               | 48,047               | 32,039               | 25,036               | 25,875               |
| Montreal, Canada.....                    | 44,178              | 68,185               | 67,044               | 190,359              | 179,959              | 170,242              | 219,173              |
| COMMODITY                                |                     |                      |                      |                      |                      |                      |                      |
| Flour.....1,000 bbls.....                | 16,841              | 23,279               | 17,016               | 25,557               | 23,801               | 23,374               | 22,928               |
| Corn meal.....do.....                    | 1,039               | 941                  | 77                   | 85                   | 75                   | 154                  | 237                  |
| Wheat.....1,000 bu.....                  | 62,944              | 200,719              | 220,296              | 276,016              | 238,631              | 232,186              | 262,630              |
| Corn.....do.....                         | 42,193              | 45,434               | 17,916               | 17,353               | 13,220               | 12,191               | 9,101                |
| Oats.....do.....                         | 47,181              | 104,554              | 34,629               | 45,609               | 76,401               | 41,707               | 25,115               |
| Barley.....do.....                       | 3,929               | 16,195               | 16,600               | 31,779               | 45,191               | 40,335               | 54,186               |
| Rye.....do.....                          | 934                 | 13,928               | 51,742               | 47,979               | 23,709               | 17,767               | 39,893               |
| Total grain.....do.....                  | 157,181             | 440,829              | 341,183              | 418,736              | 397,152              | 344,186              | 390,926              |
| Flour and meal <sup>1</sup> .....do..... | 79,940              | 108,522              | 76,878               | 115,347              | 107,404              | 105,798              | 103,653              |
| Grand total.....do.....                  | 237,122             | 549,351              | 418,061              | 534,083              | 504,556              | 449,984              | 494,579              |

<sup>1</sup> Grain equivalent.  
Source: Annual reports of New York Produce Exchange.

## No. 650.—GRAIN RECEIPTS AT PRIMARY MARKETS, BY CROP YEARS

(All figures in thousands of bushels)

| Yearly average<br>or year ending— | Total   | Chi-<br>cago | Mil-<br>waukee | Miami-<br>apolis | Du-<br>luth | St.<br>Louis | Toledo | De-<br>troit | Kan-<br>sas<br>City | Peoria | Omaha  | Indian-<br>apolis |
|-----------------------------------|---------|--------------|----------------|------------------|-------------|--------------|--------|--------------|---------------------|--------|--------|-------------------|
| WHEAT                             |         |              |                |                  |             |              |        |              |                     |        |        |                   |
| June 30:                          |         |              |                |                  |             |              |        |              |                     |        |        |                   |
| 1910-1914.....                    | 279,257 | 37,111       | 8,750          | 102,067          | 52,048      | 24,713       | 5,203  | 1,821        | 35,750              | 1,525  | 15,892 | 1,211             |
| 1915-1921.....                    | 385,102 | 60,409       | 9,655          | 119,090          | 51,044      | 38,228       | 6,628  | 2,121        | 67,515              | 2,232  | 22,321 | 4,000             |
| 1922-1926.....                    | 388,047 | 49,959       | 5,903          | 112,309          | 66,874      | 37,295       | 10,801 | 1,836        | 74,144              | 2,601  | 22,541 | 4,685             |
| 1923.....                         | 430,166 | 51,660       | 3,681          | 133,830          | 65,541      | 40,605       | 10,472 | 1,797        | 77,684              | 4,355  | 25,250 | 5,186             |
| 1924.....                         | 333,388 | 49,804       | 2,307          | 105,958          | 38,201      | 33,119       | 15,401 | 1,884        | 60,510              | 2,221  | 17,896 | 6,081             |
| 1925.....                         | 475,555 | 71,009       | 8,934          | 104,037          | 111,194     | 44,047       | 12,434 | 1,915        | 86,444              | 2,095  | 29,120 | 4,326             |
| 1926.....                         | 325,490 | 25,770       | 4,919          | 111,877          | 70,210      | 29,697       | 8,945  | 1,006        | 52,502              | 1,769  | 15,023 | 3,708             |
| 1927.....                         | 359,435 | 39,062       | 6,897          | 89,148           | 53,061      | 33,342       | 14,715 | 2,077        | 92,740              | 1,314  | 21,450 | 3,022             |
| CORN                              |         |              |                |                  |             |              |        |              |                     |        |        |                   |
| Oct. 31                           |         |              |                |                  |             |              |        |              |                     |        |        |                   |
| 1910-1914.....                    | 214,366 | 105,459      | 10,251         | 7,581            | 792         | 22,316       | 4,383  | 2,967        | 19,052              | 16,710 | —      | —                 |
| 1915-1921.....                    | 246,387 | 101,633      | 14,788         | 10,643           | —           | 22,286       | 3,025  | 3,043        | 18,263              | 25,349 | 26,731 | 19,499            |
| 1922-1926.....                    | 266,015 | 115,372      | 14,535         | 13,213           | 5,061       | 30,749       | 3,774  | 1,423        | 18,436              | 22,221 | 22,668 | 18,569            |
| 1923.....                         | 252,124 | 115,960      | 15,280         | 7,531            | 669         | 29,856       | 3,149  | 1,957        | 15,499              | 21,157 | 22,730 | 18,317            |
| 1924.....                         | 275,082 | 101,108      | 17,083         | 18,436           | 9,570       | 39,215       | 4,090  | 1,683        | 21,136              | 17,730 | 27,495 | 17,536            |
| 1925.....                         | 302,225 | 80,606       | 7,180          | 14,310           | 795         | 23,116       | 2,972  | 410          | 21,448              | 20,961 | 13,138 | 17,190            |
| 1926.....                         | 226,484 | 92,263       | 7,519          | 9,867            | 142         | 27,751       | 4,065  | 610          | 18,034              | 27,139 | 20,396 | 15,078            |
| 1927.....                         | 220,778 | 91,899       | 11,000         | 11,261           | 177         | 31,005       | 3,940  | 1,489        | 12,453              | 26,098 | 21,830 | 10,650            |
| OATS                              |         |              |                |                  |             |              |        |              |                     |        |        |                   |
| July 31                           |         |              |                |                  |             |              |        |              |                     |        |        |                   |
| 1910-1914.....                    | 104,643 | 100,873      | 13,978         | 17,320           | 5,963       | 21,430       | 3,507  | 2,131        | 7,296               | 10,252 | —      | —                 |
| 1915-1921.....                    | 277,426 | 121,664      | 30,007         | 31,750           | 3,963       | 27,613       | 5,583  | 4,390        | 10,293              | 12,060 | 15,837 | 14,284            |
| 1922-1926.....                    | 226,219 | 71,431       | 10,646         | 35,224           | 12,404      | 31,180       | 5,860  | 2,376        | 9,834               | 12,833 | 14,404 | 10,641            |
| 1923.....                         | 222,680 | 84,451       | 21,057         | 24,870           | 1,372       | 32,220       | 3,788  | 3,444        | 10,568              | 15,555 | 14,772 | 10,585            |
| 1924.....                         | 220,631 | 89,516       | 19,729         | 29,069           | 5,068       | 35,001       | 4,248  | 3,063        | 11,701              | 13,419 | 18,144 | 11,653            |
| 1925.....                         | 262,501 | 74,000       | 20,233         | 53,533           | 23,165      | 34,211       | 8,848  | 1,942        | 8,198               | 11,131 | 15,918 | 10,632            |
| 1926.....                         | 207,817 | 60,089       | 13,970         | 26,342           | 26,798      | 28,549       | 7,814  | 1,127        | 11,448              | 9,850  | 12,972 | 8,283             |
| 1927.....                         | 143,900 | 49,420       | 14,826         | 18,205           | 2,360       | 21,076       | 8,781  | 1,352        | 3,270               | 8,954  | 6,025  | 9,068             |

Source: Bureau of Agricultural Economics, Department of Agriculture. Compiled from Chicago Daily Trade Bulletin and the annual reports of the Chicago Board of Trade.

## No. 651.—FREIGHT RATES ON WHEAT FROM CHICAGO TO NEW YORK

(NOTE.—In cents per bushel. For earlier years, see Statistical Abstract, 1928, p. 679)

| Calendar year | By lake<br>and<br>canal <sup>1</sup> | By lake<br>and rail | By all<br>rail <sup>2</sup> | Calendar year | By lake<br>and<br>canal <sup>1</sup> | By lake<br>and rail | By all<br>rail <sup>2</sup> |
|---------------|--------------------------------------|---------------------|-----------------------------|---------------|--------------------------------------|---------------------|-----------------------------|
| 1890.....     | 5.85                                 | 6.50                | 14.31                       | 1909.....     | 5.35                                 | 6.88                | 11.70                       |
| 1891.....     | 5.96                                 | 6.53                | 15.00                       | 1910.....     | 5.13                                 | 6.57                | 9.00                        |
| 1892.....     | 5.61                                 | 7.55                | 14.23                       | 1911.....     | 5.35                                 | 6.28                | 9.00                        |
| 1893.....     | 6.33                                 | 8.44                | 14.70                       | 1912.....     | 5.57                                 | 6.17                | 9.00                        |
| 1894.....     | 4.44                                 | 7.00                | 12.88                       | 1913.....     | 5.74                                 | 7.01                | 9.00                        |
| 1895.....     | 4.11                                 | 6.95                | 12.17                       | 1914.....     | 6.31                                 | 6.54                | 9.00                        |
| 1896.....     | 5.38                                 | 7.32                | 12.00                       | 1915.....     | 6.08                                 | 7.48                | 10.00                       |
| 1897.....     | 4.35                                 | 7.37                | 12.32                       | 1916.....     | 7.95                                 | 9.55                | 10.00                       |
| 1898.....     | 4.42                                 | 4.96                | 11.55                       | 1917.....     | 8.72                                 | 9.99                | 10.00                       |
| 1899.....     | 5.65                                 | 6.03                | 11.13                       | 1918.....     | 12.53                                | 12.27               | 12.90                       |
| 1900.....     | 4.42                                 | 5.05                | 9.98                        | 1919.....     | 10.94                                | 11.00               | 14.70                       |
| 1901.....     | 5.14                                 | 5.57                | 9.92                        | 1920.....     | 14.70                                | 15.32               | 16.00                       |
| 1902.....     | 5.25                                 | 5.78                | 10.60                       | 1921.....     | 10.29                                | 10.91               | 20.10                       |
| 1903.....     | 5.44                                 | 6.17                | 11.33                       | 1922.....     | 11.63                                | 11.93               | 19.65                       |
| 1904.....     | 4.71                                 | 5.02                | 11.11                       | 1923.....     | 10.94                                | 12.43               | 18.00                       |
| 1905.....     | 5.51                                 | 6.44                | 10.20                       | 1924.....     | 8.67                                 | 10.92               | 18.00                       |
| 1906.....     | 5.94                                 | 6.48                | 10.50                       | 1925.....     | 7.24                                 | 10.80               | 18.00                       |
| 1907.....     | 6.68                                 | 6.93                | 11.30                       | 1926.....     | 8.08                                 | 12.04               | 18.00                       |
| 1908.....     | 6.00                                 | 6.33                | 11.70                       | 1927.....     | 7.16                                 | 11.14               | 18.00                       |

<sup>1</sup> Includes canal tolls prior to 1883, but not Buffalo transfer charges.<sup>2</sup> Rates beginning with 1900 represent wheat for domestic consumption, lower rates applying on grain for export, since 1923 the export rate has been 13.5 cents.<sup>3</sup> Averages based upon officially published tariffs; actual rates lower.

Source: New York Produce Exchange.

### No. 652.—FREIGHT RATES ON WHEAT FROM BUFFALO TO NEW YORK BY CANAL

| Calendar year | Average rate     | Calendar year | Average rate     | Calendar year | Average rate     | Calendar year | Average rate     |
|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
|               | Cents per bushel |               | Cents per bushel |               | Cents per bushel |               | Cents per bushel |
| 1901.....     | 3.5              | 1901.....     | 3.5              | 1911.....     | 4.3              | 1921.....     | 7.4              |
| 1902.....     | 3.5              | 1902.....     | 3.8              | 1912.....     | 4.4              | 1922.....     | 10.4             |
| 1903.....     | 4.6              | 1903.....     | 4.0              | 1913.....     | 4.6              | 1923.....     | 7.1              |
| 1904.....     | 3.2              | 1904.....     | 3.2              | 1914.....     | 4.3              | 1924.....     | 6.8              |
| 1905.....     | 2.2              | 1905.....     | 3.9              | 1915.....     | 4.6              | 1925.....     | 6.0              |
| 1906.....     | 2.7              | 1906.....     | 4.2              | 1916.....     | 5.0              | 1926.....     | 6.1              |
| 1907.....     | 2.8              | 1907.....     | 5.0              | 1917.....     | 4.4              | 1927.....     | 5.0              |
| 1908.....     | 2.8              | 1908.....     | 5.0              | 1918.....     | 9.3              |               |                  |
| 1909.....     | 3.0              | 1909.....     | 3.9              | 1919.....     | 8.2              |               |                  |
| 1910.....     | 2.5              | 1910.....     | 4.0              | 1920.....     | 10.3             |               |                  |

Source: Secretary of the Buffalo Chamber of Commerce.

### No. 653.—FREIGHT RATES ON GRAIN, FLOUR, AND PROVISIONS, CHICAGO TO EUROPEAN PORTS

(NOTE.—Rates cover all-rail transportation to New York and steamer to foreign ports. Rail rates on grain and flour are reshipping rates. Steamer rates are berth rates. Owing to the war complete statements of freight averages for 1914 to 1916 are impossible and for 1917, 1918, and 1919 no figures are available)

[Rates in cents per 100 pounds]

| Destination            | 1900  | 1905  | 1910  | 1911  | 1912   | 1913   | 1914   | 1915  | 1916   | 1917  | 1918   | 1919   | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 |
|------------------------|-------|-------|-------|-------|--------|--------|--------|-------|--------|-------|--------|--------|------|------|------|------|------|------|------|------|
| <b>Grain</b>           |       |       |       |       |        |        |        |       |        |       |        |        |      |      |      |      |      |      |      |      |
| Liverpool <sup>1</sup> | 29.49 | 19.16 | 18.15 | 23.39 | 50.17  | 48.17  | 34.06  | 32.66 | 34.97  | 33.8  | 37.17  | 33.89  |      |      |      |      |      |      |      |      |
| Glasgow <sup>1</sup>   | 30.98 | 20.00 | 15.91 | 22.92 | 48.80  | (?)    | 34.28  | 32.50 | 34.39  | 35.3  | 39.80  | 36.42  |      |      |      |      |      |      |      |      |
| London <sup>1</sup>    | 31.10 | 20.23 | 17.76 | 24.23 | 49.92  | (?)    | 33.97  | 31.33 | 33.96  | 33.4  | 36.66  | 34.21  |      |      |      |      |      |      |      |      |
| Antwerp                |       |       | 18.05 | 24.62 |        | 45.02  | 35.85  | 33.27 | 34.50  | 33.9  | 35.83  | 35.56  |      |      |      |      |      |      |      |      |
| Hamburg                |       |       |       | 26.16 |        | 45.76  | 35.74  | 32.80 | 35.22  | 35.0  | 37.18  | 36.50  |      |      |      |      |      |      |      |      |
| Amsterdam              |       |       |       | 26.07 |        | 49.53  | 38.72  |       |        |       | 47.50  | 39.80  |      |      |      |      |      |      |      |      |
| Rotterdam              |       |       |       | 25.07 | 61.43  | 48.64  | 36.30  | 33.60 | 35.50  | 35.5  | 37.20  | 36.18  |      |      |      |      |      |      |      |      |
| <b>Sacked Flour:</b>   |       |       |       |       |        |        |        |       |        |       |        |        |      |      |      |      |      |      |      |      |
| Liverpool              | 27.90 | 22.40 | 19.75 | 30.00 | 85.30  | 56.63  | 41.92  | 39.83 | 42.80  | 43.8  | 46.68  | 45.04  |      |      |      |      |      |      |      |      |
| Glasgow                | 31.59 | 22.50 | 21.50 | 32.00 | 85.50  | (?)    | 41.90  | 41.38 | 43.11  | 43.0  | 47.93  | 47.39  |      |      |      |      |      |      |      |      |
| London                 | 35.01 | 23.64 | 22.00 | 30.50 | 85.80  | (?)    | 41.90  | 39.80 | 42.73  | 43.9  | 46.66  | 45.04  |      |      |      |      |      |      |      |      |
| Antwerp                |       |       |       | 35.00 |        | 55.27  | 42.33  | 40.73 | 43.76  | 44.3  | 45.31  | 48.05  |      |      |      |      |      |      |      |      |
| Hamburg                |       |       |       | 37.00 |        | 56.15  | 42.17  | 40.46 | 43.56  | 44.1  | 45.51  | 46.80  |      |      |      |      |      |      |      |      |
| Amsterdam              |       |       |       | 20.00 |        | 55.74  | 42.65  | 41.52 | 44.13  | 44.6  | 46.10  | 47.70  |      |      |      |      |      |      |      |      |
| Rotterdam              |       |       |       | 20.00 | 86.76  | 55.12  | 42.50  | 41.28 | 44.13  | 44.6  | 44.34  | 47.80  |      |      |      |      |      |      |      |      |
| Copenhagen             |       |       |       | 40.00 | 88.75  | 64.01  | 49.42  | 48.89 | 48.94  | 50.4  | 51.18  | 56.32  |      |      |      |      |      |      |      |      |
| Stockholm              |       |       |       | 43.00 |        |        | 50.76  | 48.81 | 52.25  | 53.5  | 54.42  | 57.32  |      |      |      |      |      |      |      |      |
| <b>Provisions</b>      |       |       |       |       |        |        |        |       |        |       |        |        |      |      |      |      |      |      |      |      |
| Liverpool              | 48.84 | 38.49 | 46.38 | 51.00 | 177.50 | 137.13 | 113.50 | 94.10 | 104.83 | 106.5 | 106.50 | 116.33 |      |      |      |      |      |      |      |      |
| Glasgow                | 55.31 | 43.23 | 46.88 | 55.31 | 177.50 | (?)    | 113.50 | 94.10 | 104.83 | 106.5 | 106.50 | 116.33 |      |      |      |      |      |      |      |      |
| London                 | 55.87 | 40.88 | 47.62 | 51.00 | 177.50 | (?)    | 113.50 | 94.10 | 104.83 | 106.5 | 106.50 | 116.33 |      |      |      |      |      |      |      |      |
| Antwerp                | 51.09 | 43.70 | 49.44 | 55.22 |        | 104.01 | 84.80  | 82.94 | 87.75  | 86.5  | 87.19  | 89.00  |      |      |      |      |      |      |      |      |
| Hamburg                | 50.00 | 45.75 | 50.00 | 55.33 |        | 104.87 | 84.36  | 84.65 | 91.50  | 91.5  | 91.50  | 110.22 |      |      |      |      |      |      |      |      |
| Amsterdam              | 51.00 | 45.42 | 48.00 | 54.00 |        | 104.25 | 84.89  | 82.54 | 87.75  | 86.5  | 86.72  | 89.00  |      |      |      |      |      |      |      |      |
| Rotterdam              | 51.00 | 44.53 | 47.00 | 53.00 | 171.80 | 104.25 | 84.89  | 83.00 | 87.75  | 86.5  | 86.72  | 89.00  |      |      |      |      |      |      |      |      |
| Copenhagen             | 55.31 | 48.66 | 55.31 | 60.43 | 176.50 | 113.00 | 90.75  | 96.50 | 100.87 | 90.5  | 100.92 | 103.00 |      |      |      |      |      |      |      |      |
| Stockholm              | 64.50 | 51.47 | 56.72 | 73.14 |        |        | 96.37  | 94.00 | 102.00 | 104.0 | 104.27 | 109.00 |      |      |      |      |      |      |      |      |
| Bordeaux               | 64.12 | 51.45 | 57.50 | 71.25 |        | 106.16 | 101.86 | 96.50 | 105.45 | 106.5 | 106.50 | 110.75 |      |      |      |      |      |      |      |      |
| Havre                  |       |       |       | 69.38 |        | 104.20 | 101.86 | 96.50 | 105.45 | 106.5 | 106.50 | 110.75 |      |      |      |      |      |      |      |      |

<sup>1</sup> Berth rates to British ports beginning 1922 converted from English money at average exchange rates.

<sup>2</sup> Rates for Liverpool applied to London and Glasgow.

<sup>3</sup> Average for first 18 weeks of 1922.

<sup>4</sup> Average for first 8 months.

<sup>5</sup> Average for 11 months; October is not available.

Source: 1900 to 1918, Secretary of the Board of Trade of Chicago; later years from the Mercantile Marine Co.



### Table 664.—FOOD MANUFACTURING INDUSTRIES: Materials Used and Products

(Note.—Data for establishments with products under \$5,000 in value not included in 1933 and 1934. Leaders indicate that the figures were not secured or not reported separately.)

| Industry, material, and product      | Quantity (thousands of unit specified) |         |         | Cost or value (thousands of dollars) |         |           |
|--------------------------------------|--|---------|---------|--------------------------------------|---------|-----------|
|                                      | Unit                                   | 1934    | 1933    | 1932                                 | 1934    | 1933      |
| <b>CANNING AND PRESERVING</b>        |  |         |         |                                      |         |           |
| All products, total value            |  |         |         |                                      | 945,751 | 872,885   |
| Fruits, vegetables, and soups, total |  |         |         |                                      | 151,599 | 249,944   |
| Canned vegetables and soups, total   |  |         |         |                                      | 151,599 | 249,944   |
| Beans                                | Case <sup>1</sup>                      | 5,084   | 20,468  | 24,441                               | 16,865  | 38,638    |
| Corn                                 | do. <sup>2</sup>                       | 9,939   | 14,794  | 22,937                               | 12,883  | 36,638    |
| Pears                                | do. <sup>3</sup>                       | 5,825   | 14,484  | 16,798                               | 15,089  | 39,768    |
| Tomatoes                             | do. <sup>4</sup>                       | 16,220  | 14,781  | 15,308                               | 25,532  | 39,677    |
| Asparagus                            | do. <sup>5</sup>                       | 632     | 1,462   | 1,476                                | 2,791   | 10,955    |
| Spinach                              | do. <sup>6</sup>                       | 392     | 1,975   | 1,681                                | 737     | 4,679     |
| All other                            | do.                                    | 6,798   | 12,124  | 16,840                               | 17,654  | 48,685    |
| Canned fruits, total                 |  |         |         |                                      | 54,997  | 95,998    |
| Peaches                              | Case <sup>7</sup>                      | 2,405   | 7,039   | 2,899                                | 9,308   | 26,262    |
| Apples                               | do. <sup>8</sup>                       | 1,515   | 2,738   | 2,404                                | 2,302   | 6,549     |
| Berries                              | do. <sup>9</sup>                       | 1,323   | 2,447   | 2,502                                | 2,102   | 10,290    |
| Pears                                | do. <sup>10</sup>                      | 1,083   | 1,518   | 2,082                                | 2,554   | 9,300     |
| Apricots                             | do. <sup>11</sup>                      | 1,042   | 1,692   | 1,641                                | 2,081   | 4,498     |
| Cherries                             | do. <sup>12</sup>                      | 542     | 2,124   | 1,878                                | 1,629   | 10,688    |
| All other                            | do. <sup>13</sup>                      | 585     | 2,612   | 2,928                                | 1,273   | 21,511    |
| Dried fruits, total                  | Pound                                  | 568,887 | 791,891 | 1,084,187                            | 56,779  | 74,265    |
| Raisins                              | do.                                    | 225,844 | 220,088 | 523,723                              | 12,949  | 36,297    |
| Prunes                               | do.                                    | 129,092 | 245,786 | 267,642                              | 2,094   | 22,552    |
| Peaches                              | do.                                    | 61,907  | 61,617  | 26,867                               | 2,916   | 6,499     |
| Apples                               | do.                                    | 54,957  | 19,366  | 21,121                               | 2,889   | 1,698     |
| Apricots                             | do.                                    | 39,397  | 54,039  | 23,039                               | 2,816   | 5,098     |
| All other                            | do.                                    | 47,190  | 36,965  | 21,605                               | 2,405   | 2,672     |
| Dried vegetables                     | do.                                    |         | 4,016   | 1,278                                |         | 221       |
| Fish and oysters, total              |  |         |         |                                      | 28,228  | 60,146    |
| Canned fish, oysters, etc., total    |  |         |         |                                      | 28,228  | 60,146    |
| Salmon                               | Case <sup>14</sup>                     | 1,513   | 1,367   | 1,550                                | 8,712   | 12,681    |
| Sardines                             | do. <sup>15</sup>                      | 5,012   | 2,385   | 5,162                                | 6,239   | 9,897     |
| Shrimps                              | do. <sup>16</sup>                      | 460     | 700     | 736                                  | 1,736   | 4,281     |
| Tuna                                 | do. <sup>17</sup>                      | 437     | 818     | 1,102                                | 1,638   | 6,915     |
| Oysters                              | do. <sup>18</sup>                      | 945     | 526     | 508                                  | 2,677   | 2,720     |
| Clams                                | do. <sup>19</sup>                      | 185     | 302     | 342                                  | 670     | 1,431     |
| All other                            | do.                                    | 220     | 325     | 366                                  | 728     | 1,681     |
| Cured fish                           | Pounds                                 | 158,863 | 80,708  | 88,349                               | 10,982  | 10,266    |
| Pickles, preserves, sauces           |  |         |         |                                      | 60,127  | 120,202   |
| All other products                   |  |         |         |                                      | 4,261   | 22,097    |
| <b>FLOUR-MILL INDUSTRY</b>           |  |         |         |                                      |         |           |
| Materials used, total cost           |  |         |         |                                      | 726,276 | 865,979   |
| Wheat                                | Bushel <sup>20</sup>                   | 545,728 | 538,312 | 530,593                              |         |           |
| Corn                                 | do. <sup>21</sup>                      | 180,116 | 125,194 | 105,355                              |         |           |
| Rye                                  | do. <sup>22</sup>                      | 12,814  | 9,249   | 8,120                                |         |           |
| Buckwheat                            | do. <sup>23</sup>                      | 5,478   | 2,938   | 2,408                                |         |           |
| Oats                                 | do. <sup>24</sup>                      | 50,227  | 49,310  | 45,818                               |         |           |
| Other grains                         | do.                                    | 24,568  | 15,235  | 15,658                               |         |           |
| All products, total value            |  |         |         |                                      | 377,650 | 1,046,377 |
| Wheat flour                          | Barrel <sup>25</sup>                   | 116,404 | 114,439 | 114,027                              | 542,840 | 663,302   |
| Rye flour                            | do.                                    | 1,937   | 1,635   | 1,561                                | 7,845   | 6,714     |
| Buckwheat flour                      | Pound                                  | 125,622 | 49,181  | 47,585                               | 3,755   | 1,920     |
| Corn meal                            | Barrel <sup>26</sup>                   | 16,328  | 12,155  | 8,903                                | 54,962  | 52,011    |
| Bras and middlings                   | Ton                                    | 4,697   | 4,189   | 4,474                                | 104,703 | 118,011   |
| Feed, screenings, etc                | do.                                    | 4,753   | 5,476   | 3,023                                | 137,068 | 190,877   |
| All other                            |  |         |         |                                      | 25,506  | 9,742     |

<sup>1</sup> 24 No. 2 cans.

<sup>2</sup> 24 No. 3 cans.

<sup>3</sup> 24 No. 2½ cans.

<sup>4</sup> 48 No. 1 cans.

<sup>5</sup> 100 No. ½ cans.

<sup>6</sup> 48 No. ½ cans.

<sup>7</sup> Weight of bushel: Wheat, 60 pounds; corn, 56; rye, 56; buckwheat, 48; oats, 32.

<sup>8</sup> 196 pounds.

<sup>9</sup> 200 pounds.

## No. 654.—FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS—Continued

| Industry, material, and product        | Quantity (thousands of unit specified) |           |           |            | Cost or value (thousands of dollars) |         |         |
|--|--|-----------|-----------|------------|--------------------------------------|---------|---------|
|  | Unit                                   | 1914      | 1923      | 1934       | 1914                                 | 1923    | 1934    |
| <b>CORN SIRUP (GLUCOSE) AND STARCH</b> |  |           |           |            |                                      |         |         |
| Materials used, total cost             |  |           |           |            | 40,308                               | 74,481  | 93,084  |
| Corn                                   | Pound                                  | 2,498,792 |           |            | 30,308                               |         |         |
| All products, total value              |  |           |           |            | 52,615                               | 119,600 | 132,600 |
| Cornstarch                             | Pound                                  | 574,248   | 839,382   | 854,125    | 13,785                               | 20,738  | 23,716  |
| Corn sirup (including all sirup)       | do                                     |           | 1,164,467 | 1,144,858  | 18,541                               | 33,791  | 41,375  |
| Corn sugar                             | do                                     | 174,369   | 527,910   | 580,370    | 3,706                                | 16,797  | 19,806  |
| Corn oil                               | Gallon                                 | 8,802     | 13,568    | 12,705     | 3,693                                | 13,873  | 14,093  |
| Stock feed                             |  |           |           |            | 6,690                                | 18,758  | 17,934  |
| All other                              |  |           |           |            | 6,140                                | 4,618   | 6,375   |
| <b>RICE CLEANING AND POLISHING</b>     |  |           |           |            |                                      |         |         |
| Materials used, total cost             |  |           |           |            | 30,618                               | 40,212  | 65,847  |
| Rough rice                             | Pound                                  | 1,038,588 |           | 1,438,901  |                                      |         |         |
| All products, total value              |  |           |           |            | 23,089                               | 47,088  | 53,490  |
| Clean rice                             | Pound                                  | 674,872   | 1,171,634 | 947,787    | 21,855                               | 44,799  | 51,113  |
| All other                              |  |           |           |            | 1,384                                | 2,289   | 2,385   |
| <b>BEET SUGAR</b>                      |  |           |           |            |                                      |         |         |
| Materials used, total cost             |  |           |           |            | 41,380                               | 70,830  | 87,086  |
| Beets treated                          | Ton                                    | 5,639     | 5,786     | 7,423      |                                      |         |         |
| All products, total value              |  |           |           |            | 62,806                               | 116,314 | 139,389 |
| Sugar                                  | Ton                                    | 742       | 754       | 1,063      | 59,590                               | 112,794 | 124,413 |
| Molasses                               | Gallon                                 | 20,461    | 17,967    | 24,466     | 1,536                                | 1,287   | 2,261   |
| Pulp                                   | Ton                                    |           |           | 1,550      | 2,085                                | 3,708   | 5,530   |
| All other                              |  |           |           |            | 284                                  | 535     | 145     |
| <b>CANE SUGAR</b>                      |  |           |           |            |                                      |         |         |
| Materials used, total cost             |  |           |           |            | 15,948                               | 20,989  | 11,586  |
| Cane, crushed                          | Ton                                    | 3,755     |           |            | 12,409                               |         |         |
| All products, total value              |  |           |           |            | 21,635                               | 27,181  | 12,423  |
| Sugar                                  | Ton                                    | 265       | 170       | 116        | 18,948                               | 22,893  | 9,670   |
| Molasses                               | Gallon                                 | 20,675    | 6,112     | 15,171     | 2,021                                | 1,835   | 1,751   |
| Sirup                                  | do                                     | 2,421     | 2,365     | 5,099      | 610                                  | 1,546   | 1,798   |
| All other                              |  |           |           |            | 56                                   | 907     | 348     |
| <b>CANE SUGAR REFINING</b>             |  |           |           |            |                                      |         |         |
| Materials used, total cost             |  |           |           |            | 264,055                              | 681,800 | 549,000 |
| Raw sugar                              | Pound                                  | 7,120,957 | 9,466,434 | 11,470,234 | 247,096                              |         |         |
| All products, total value              |  |           |           |            | 299,399                              | 726,942 | 604,631 |
| Refined sugar                          | Ton                                    | 3,333     | 4,429     | 5,412      | 285,496                              | 722,279 | 600,109 |
| Sirup                                  | Gallon                                 |           | 21,947    | 8,536      |                                      | 1,896   | 2,132   |
| Refiners' blackstrap                   | do                                     | 35,908    | 19,149    | 37,373     | 3,284                                | 1,441   | 3,669   |
| All other                              |  |           |           |            | 619                                  | 626     | 513     |
| <b>CHOCOLATE AND COCOA PRODUCTS</b>    |  |           |           |            |                                      |         |         |
| All products, total value              |  |           |           |            | 25,713                               | 95,881  | 106,849 |
| Chocolate in cakes                     | Pound                                  |           | 339,382   | 374,663    |                                      | 79,172  | 85,614  |
| Cocoa                                  | do                                     |           | 80,763    | 85,259     |                                      | 9,213   | 11,040  |
| Cocoa butter                           | do                                     |           | 19,805    | 25,293     |                                      | 6,233   | 6,800   |
| Other products                         |  |           |           |            |                                      | 1,613   | 3,189   |

Source: Bureau of the Census, Department of Commerce.



## 29.—FORESTS AND FOREST PRODUCTS

### No. 655.—FORESTS: ESTIMATED ORIGINAL AND PRESENT AREAS, GROWING AREA, ANNUAL GROWTH, AND PRESENT STAND, BY REGIONS

[NOTE.—Estimates of present area relate to 1922, of stand of timber and annual growth to 1920 or about that year. These data are necessarily approximate. Annual growth relates to acreage specified as growing area, other areas having no growth in excess of decay.]

|   | Original area (thousand acres) | Present area (thousand acres) <sup>1</sup> |            |          |          |                     |                |
|---|--------------------------------|--|------------|----------|----------|---------------------|----------------|
|   |                                | Total                                      | Saw timber |          |          | Cord-wood (growing) | Non-restocking |
|   |                                |  | Total      | Virgin   | Growing  |                     |                |
| <b>Total</b> .....                              | 622, 238                       | 469, 475                                   | 251, 916   | 138, 160 | 113, 756 | 136, 340            | 81, 909        |
| New England <sup>2</sup> .....                  | 38, 908                        | 25, 708                                    | 11, 261    | 2, 000   | 9, 261   | 8, 872              | 5, 576         |
| Middle Atlantic <sup>3</sup> .....              | 60, 610                        | 28, 478                                    | 11, 455    | 1, 898   | 9, 559   | 10, 793             | 6, 430         |
| Lake <sup>4</sup> .....                         | 108, 680                       | 57, 100                                    | 24, 030    | 19, 100  | 13, 930  | 12, 570             | 20, 500        |
| Central <sup>5</sup> .....                      | 170, 560                       | 60, 182                                    | 31, 901    | 7, 600   | 24, 301  | 26, 011             | 2, 270         |
| South Atlantic and East Gulf <sup>6</sup> ..... | 170, 240                       | 99, 000                                    | 46, 200    | 18, 300  | 27, 900  | 32, 080             | 20, 720        |
| Lower Mississippi <sup>7</sup> .....            | 128, 400                       | 78, 865                                    | 41, 035    | 20, 835  | 20, 200  | 24, 075             | 13, 755        |
| Rocky Mountain <sup>8</sup> .....               | 63, 720                        | 60, 842                                    | 41, 059    | 37, 748  | 3, 313   | 14, 533             | 5, 260         |
| Pacific Coast <sup>9</sup> .....                | 77, 120                        | 59, 100                                    | 44, 975    | 39, 983  | 5, 292   | 7, 425              | 6, 700         |

|   | Stand of saw timber (millions of board feet) |           |             | Annual growth in growing area       |                                    |                                |
|---|--|-----------|-------------|-------------------------------------|------------------------------------|--------------------------------|
|   | Total  | Hard-wood | Softwood    | Saw timber (millions of board feet) | Cord-wood (millions of cubic feet) | Total (millions of cubic feet) |
| <b>Total</b> .....                              | 2, 214, 893                                  | 459, 875  | 1, 755, 018 | 8, 872                              | 3, 877                             | 1, 995                         |
| New England <sup>1</sup> .....                  | 49, 799                                      | 11, 319   | 38, 480     | 609                                 | 341                                | 474                            |
| Middle Atlantic <sup>2</sup> .....              | 44, 857                                      | 29, 504   | 15, 353     | 714                                 | 342                                | 499                            |
| Lake <sup>3</sup> .....                         | 110, 110                                     | 69, 350   | 40, 760     | 988                                 | 251                                | 468                            |
| Central <sup>4</sup> .....                      | 144, 470                                     | 133, 182  | 11, 318     | 1, 458                              | 587                                | 906                            |
| South Atlantic and East Gulf <sup>5</sup> ..... | 230, 577                                     | 83, 750   | 136, 827    | 2, 428                              | 1, 062                             | 1, 594                         |
| Lower Mississippi <sup>6</sup> .....            | 280, 908                                     | 132, 600  | 148, 308    | 1, 752                              | 600                                | 983                            |
| Rocky Mountain <sup>7</sup> .....               | 223, 141                                     | ---       | 223, 141    | 461                                 | 264                                | 365                            |
| Pacific Coast <sup>8</sup> .....                | 1, 141, 031                                  | ---       | 1, 141, 031 | 1, 262                              | 430                                | 708                            |

<sup>1</sup> Revised October, 1922.

<sup>2</sup> Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

<sup>3</sup> New York, New Jersey, Pennsylvania, Delaware, and Maryland.

<sup>4</sup> Michigan, Wisconsin, and Minnesota.

<sup>5</sup> Ohio, Indiana, Illinois, West Virginia, Kentucky, Tennessee, Iowa, Missouri, eastern Kansas, and eastern Nebraska.

<sup>6</sup> Virginia, North Carolina, South Carolina, Georgia, Florida, and Alabama.

<sup>7</sup> Mississippi, Arkansas, Louisiana, eastern Texas, and eastern Oklahoma.

<sup>8</sup> Idaho, Montana, Wyoming, Colorado, western South Dakota (Black Hills), New Mexico, Arizona, Utah, and Nevada.

<sup>9</sup> California, Oregon, and Washington.

Source: Report of the Forest Service, Department of Agriculture, on Senate Resolution 311

## No. 656.—STAND OF SAW TIMBER (ESTIMATED): ABOUT 1920

[Quantities in millions of board feet]

| Species                              | Total            | New England   | Middle Atlantic | Lake           | Central        | South Atlantic and East Gulf | Lower Mississippi | Rocky Mountain | Pacific coast    |
|--------------------------------------|------------------|---------------|-----------------|----------------|----------------|------------------------------|-------------------|----------------|------------------|
| <b>Grand total</b>                   | <b>2,314,883</b> | <b>49,789</b> | <b>44,857</b>   | <b>110,110</b> | <b>144,470</b> | <b>220,577</b>               | <b>220,808</b>    | <b>223,141</b> | <b>1,141,981</b> |
| <b>Western hardwoods, total</b>      | <b>459,975</b>   | <b>11,319</b> | <b>29,504</b>   | <b>89,350</b>  | <b>133,133</b> | <b>53,750</b>                | <b>132,600</b>    |                |                  |
| Oak                                  | 157,372          | 1,510         | 5,500           | 8,201          | 64,712         | 27,820                       | 49,440            |                |                  |
| Birch, beech, and maple              | 90,784           | 8,143         | 15,897          | 36,076         | 20,505         | 4,522                        | 4,041             |                |                  |
| Red gum                              | 44,223           |               | 176             |                | 3,728          | 13,400                       | 20,918            |                |                  |
| Chestnut                             | 19,319           | 960           | 3,754           |                | 7,989          | 6,610                        |                   |                |                  |
| Hickory                              | 15,784           | 40            | 412             | 187            | 6,791          | 3,183                        | 5,171             |                |                  |
| Cottonwood and aspen                 | 10,824           | 374           | 13              | 999            | 2,131          | 1,340                        | 5,967             |                |                  |
| Ash                                  | 9,968            | 215           | 513             | 1,893          | 2,929          | 1,256                        | 3,182             |                |                  |
| Yellow poplar                        | 9,611            |               | 125             | 7              | 5,193          | 4,020                        | 265               |                |                  |
| Others                               | 101,771          | 77            | 2,113           | 21,887         | 19,174         | 21,524                       | 36,996            |                |                  |
| <b>Eastern softwoods, total</b>      | <b>381,048</b>   | <b>25,480</b> | <b>15,353</b>   | <b>40,780</b>  | <b>11,818</b>  | <b>128,837</b>               | <b>143,306</b>    |                |                  |
| Southern yellow pine                 | 257,891          |               |                 |                | 365            | 121,442                      | 135,884           |                |                  |
| Hemlock                              | 30,806           | 1,804         | 5,036           | 13,301         | 3,910          | 1,845                        |                   |                |                  |
| Spruce and fir                       | 31,572           | 23,971        | 2,048           | 3,772          |                | 881                          |                   |                |                  |
| Cypress                              | 22,921           |               |                 |                |                | 11,306                       | 11,713            |                |                  |
| White and Norway pine                | 23,457           | 9,816         | 4,037           | 8,000          | 515            | 1,060                        |                   |                |                  |
| Others                               | 24,509           | 2,899         | 13,333          | 10,687         | 5,528          | 362                          | 711               |                |                  |
| <b>Western softwoods, total</b>      | <b>1,354,171</b> |               |                 |                |                |                              |                   | <b>223,141</b> | <b>1,141,981</b> |
| Douglas fir                          | 595,506          |               |                 |                |                |                              |                   | 36,934         | 528,371          |
| Western yellow pine and Jeffrey pine | 249,578          |               |                 |                |                |                              |                   | 66,125         | 183,453          |
| Western hemlock                      | 95,092           |               |                 |                |                |                              |                   | 1,092          | 94,000           |
| True firs                            | 91,349           |               |                 |                |                |                              |                   | 8,870          | 82,479           |
| Redwood                              | 72,208           |               |                 |                |                |                              |                   |                | 72,208           |
| Western white pine and sugar pine    | 57,071           |               |                 |                |                |                              |                   | 18,686         | 38,485           |
| Western red cedar                    | 53,348           |               |                 |                |                |                              |                   | 4,346          | 49,002           |
| Lodgepole pine                       | 43,919           |               |                 |                |                |                              |                   | 39,363         | 4,556            |
| Spruce                               | 39,822           |               |                 |                |                |                              |                   | 26,467         | 13,355           |
| Others                               | 66,280           |               |                 |                |                |                              |                   | 21,366         | 44,914           |

<sup>1</sup> Includes small amounts of spruce, cypress, and various species of yellow pine.

## No. 657.—NATIONAL GOVERNMENT FORESTS: AREA AND STANDING TIMBER

[NOTE.—Figures include acreage actually acquired under the Weeks law, see Table 656. There were in 1925, 11,196,928 acres of State forests, including Hawaiian forest reserves, State parks, and other forest lands belonging to States; also 697,447 acres of municipal and county forests and parks]

| State                      | Net area (acres)<br>June 30, 1927 | Standing timber,<br>Jan. 1, 1926 |                        | State          | Net area (acres)<br>June 30, 1927 | Standing timber,<br>Jan. 1, 1926 |                        |
|----------------------------|-----------------------------------|----------------------------------|------------------------|----------------|-----------------------------------|----------------------------------|------------------------|
|                            |                                   | Saw timber (million board feet)  | Cordwood (1,000 cords) |                |                                   | Saw timber (million board feet)  | Cordwood (1,000 cords) |
| <b>Total</b>               | <b>148,549,434</b>                | <b>552,236</b>                   | <b>91,143</b>          | Nebraska       | 205,945                           |                                  |                        |
| <b>Total, excl. Alaska</b> | <b>127,466,089</b>                | <b>467,379</b>                   | <b>91,143</b>          | Nevada         | 4,979,146                         | 298                              | 5,613                  |
| Alabama                    | 122,739                           | 124                              | 34                     | New Hampshire  | 427,323                           | 1,037                            |                        |
| Alaska                     | 21,340,392                        | 84,760                           |                        | New Jersey     | 4,785                             | 8                                | (1)                    |
| Arizona                    | 11,336,462                        | 14,385                           | 11,427                 | New Mexico     | 8,508,539                         | 11,187                           | 13,468                 |
| Arkansas                   | 982,754                           | 1,799                            |                        | New York       | 9,800                             | 8                                | (1)                    |
| California                 | 18,971,409                        | 100,500                          | 24,771                 | North Carolina | 276,183                           | 421                              | 2,737                  |
| Colorado                   | 13,234,380                        | 22,167                           | 5,694                  | Oklahoma       | 61,480                            |                                  |                        |
| Florida                    | 343,180                           | 182                              | 1,288                  | Oregon         | 13,228,092                        | 128,266                          |                        |
| Georgia                    | 273,505                           | 338                              | 455                    | Pennsylvania   | 235,876                           | 17                               | 124                    |
| Idaho                      | 19,097,789                        | 46,993                           | 6,017                  | Porto Rico     | 12,443                            |                                  |                        |
| Illinois                   | 10,710                            |                                  |                        | South Carolina | 61,267                            | 73                               | 58                     |
| Kentucky                   | 22,600                            | 10                               |                        | South Dakota   | 1,062,581                         | 2,508                            | 221                    |
| Maine                      | 32,256                            | 57                               |                        | Tennessee      | 322,790                           | 667                              | 719                    |
| Maryland                   | 4,725                             | 1                                | 6                      | Utah           | 7,484,522                         | 5,225                            | 6,670                  |
| Michigan                   | 126,762                           | 9                                |                        | Virginia       | 588,666                           | 230                              | 877                    |
| Minnesota                  | 1,001,042                         | 859                              | 6,349                  | Washington     | 9,625,266                         | 77,155                           |                        |
| Montana                    | 15,919,090                        | 28,495                           |                        | West Virginia  | 225,326                           | 75                               | 146                    |
|                            |                                   |                                  |                        | Wyoming        | 8,548,234                         | 14,447                           | 2,813                  |

<sup>1</sup> Less than 500 cords.

Source of Tables 656 and 657: Forest Service, Department of Agriculture.

## No. 658.—NATIONAL GOVERNMENT FORESTS: AREA OF EACH FOREST, 1927

(NOTE.—Net area is gross area less area of alienated lands)

| State and forest                         | Net area                           | State and forest                         | Net area     | State and forest               | Net area     |  |
|--|------------------------------------|--|--------------|--------------------------------|--------------|--|
| <b>Aggregate (150 national forests).</b> | <b>Acres</b><br><b>150,800,494</b> | <b>Idaho—Continued.</b>                  | <b>Acres</b> | <b>Oregon—Continued.</b>       | <b>Acres</b> |  |
| Alabama.....                             | 122,739                            | Kaniku <sup>1</sup> .....                | 192,264      | Klamath <sup>1</sup> .....     | 8,723        |  |
| Alabama.....                             | 107,349                            | Lemhi.....                               | 1,358,772    | Malheur.....                   | 1,048,886    |  |
| McClellan.....                           | 15,350                             | Minidoka <sup>1</sup> .....              | 520,549      | Mount Hood.....                | 1,060,852    |  |
| Alaska.....                              | 21,340,392                         | Nesperco.....                            | 1,661,508    | Ochoco.....                    | 718,137      |  |
| Chugach.....                             | 4,792,634                          | Payette.....                             | 1,307,555    | Santiam.....                   | 610,918      |  |
| Tongass.....                             | 16,547,758                         | Pend Oreille.....                        | 676,572      | Siskiyou <sup>1</sup> .....    | 1,032,750    |  |
| Arizona.....                             | 11,336,462                         | St. Joe.....                             | 555,114      | Siuslaw.....                   | 549,774      |  |
| Apache <sup>2</sup> .....                | 677,392                            | Salmon.....                              | 1,708,374    | Umatilla <sup>1</sup> .....    | 920,897      |  |
| Coconino.....                            | 1,717,744                          | Sawtooth.....                            | 1,158,262    | Umpqua.....                    | 1,014,174    |  |
| Coronado <sup>1</sup> .....              | 1,358,983                          | Selway.....                              | 1,689,157    | Willows.....                   | 961,701      |  |
| Crook.....                               | 1,426,166                          | Targhee <sup>2</sup> .....               | 1,031,371    | Whitman.....                   | 1,338,184    |  |
| Katibab.....                             | 723,411                            | Weiser.....                              | 565,945      | Pennsylvania.....              | 235,378      |  |
| Prescott.....                            | 1,207,706                          | Illinois Bellevue.....                   |              | Allegheny.....                 | 214,506      |  |
| Sitgreaves.....                          | 673,921                            | Savanna.....                             | 10,710       | Tobyhanna.....                 | 20,870       |  |
| Tonto.....                               | 2,261,147                          | Kentucky Knorr.....                      | 22,660       | Porto Rico Luquillo.....       | 12,443       |  |
| Tusayan.....                             | 1,292,942                          | Maine: White Mountain <sup>2</sup> ..... | 82,256       | South Carolina.....            | 61,267       |  |
| Arkansas.....                            | 982,754                            | Maryland Meade.....                      | 4,725        | Jackson.....                   | 20,325       |  |
| Quachita.....                            | 1,665,784                          | Michigan Michigan.....                   | 126,762      | Nantahala <sup>1</sup> .....   | 41,042       |  |
| Ozark.....                               | 1,316,979                          | Minnesota.....                           | 1,001,042    | South Dakota.....              | 1,062,581    |  |
| California.....                          | 18,971,409                         | Minnesota.....                           | 191,025      | Black Hills <sup>2</sup> ..... | 475,461      |  |
| Angeles.....                             | 646,312                            | Superior.....                            | 810,017      | Custer <sup>2</sup> .....      | 73,806       |  |
| California.....                          | 822,996                            | Montana.....                             | 15,919,690   | Harney.....                    | 513,494      |  |
| Cleveland.....                           | 390,569                            | Abasco.....                              | 851,046      | Tennessee.....                 | 322,790      |  |
| Crater <sup>2</sup> .....                | 48,218                             | Beartooth.....                           | 660,112      | Cherokee <sup>1</sup> .....    | 190,228      |  |
| Eldorado <sup>1</sup> .....              | 551,478                            | Beaverhead.....                          | 1,339,172    | Pisgah <sup>1</sup> .....      | 19,879       |  |
| Inyo <sup>1</sup> .....                  | 1,525,248                          | Bitterroot.....                          | 1,047,071    | Unaka <sup>2</sup> .....       | 112,573      |  |
| Klamath <sup>2</sup> .....               | 1,534,872                          | Blackfoot.....                           | 832,566      | Utah.....                      | 7,494,522    |  |
| Lassen.....                              | 944,922                            | Cabinet.....                             | 829,663      | Ashley <sup>1</sup> .....      | 989,372      |  |
| Modoc.....                               | 1,475,759                          | Custer <sup>1</sup> .....                | 517,703      | Cache <sup>1</sup> .....       | 263,801      |  |
| Mono <sup>1</sup> .....                  | 796,219                            | Deerlodge.....                           | 828,834      | Dixie <sup>1</sup> .....       | 795,630      |  |
| Plumas.....                              | 1,109,600                          | Flathead.....                            | 1,719,112    | Fishlake.....                  | 1,386,459    |  |
| San Bernardino.....                      | 597,359                            | Gallatin.....                            | 581,002      | La Sal <sup>1</sup> .....      | 504,291      |  |
| Santa Barbara.....                       | 1,775,076                          | Helena.....                              | 682,482      | Manti.....                     | 725,478      |  |
| Sequoia.....                             | 1,342,430                          | Jefferson.....                           | 1,640,310    | Minidoka <sup>2</sup> .....    | 70,635       |  |
| Shasta.....                              | 870,034                            | Kootenai.....                            | 7,361,165    | Powell.....                    | 1,051,608    |  |
| Ferra.....                               | 1,493,513                          | Lewis and Clark.....                     | 810,731      | Uinta.....                     | 1,076,826    |  |
| Siskiyou <sup>1</sup> .....              | 329,384                            | Lolo.....                                | 851,249      | Wasatch.....                   | 609,767      |  |
| Stanislaus.....                          | 811,292                            | Madison.....                             | 953,456      | Virginia.....                  | 588,806      |  |
| Tahoe <sup>1</sup> .....                 | 515,657                            | Minocula.....                            | 1,094,028    | Eustis.....                    | 4,220        |  |
| Trinity.....                             | 1,410,460                          | Nebraska Nebraska.....                   | 206,946      | Rumphreys.....                 | 2,184        |  |
| Colorado.....                            | 13,234,380                         | Nevada.....                              | 4,979,146    | Lee.....                       | 7,177        |  |
| Arapaho.....                             | 636,506                            | Dixie <sup>1</sup> .....                 | 56,324       | Monongahela <sup>1</sup> ..... | 10,414       |  |
| Cochetopa.....                           | 908,787                            | Eldorado <sup>2</sup> .....              | 400          | Natural Bridge.....            | 167,346      |  |
| Colorado.....                            | 828,744                            | Humboldt.....                            | 1,322,313    | Shenandoah <sup>2</sup> .....  | 361,416      |  |
| Grand Mesa.....                          | 660,284                            | Inyo <sup>1</sup> .....                  | 60,416       | Unaka <sup>1</sup> .....       | 45,309       |  |
| Gunnison.....                            | 906,265                            | Mono <sup>1</sup> .....                  | 464,502      | Washington.....                | 9,625,266    |  |
| Hayden <sup>1</sup> .....                | 65,769                             | Nevada.....                              | 1,175,128    | Chelan.....                    | 1,807,922    |  |
| Holy Cross.....                          | 1,125,174                          | Tahoe <sup>1</sup> .....                 | 16,373       | Columbia.....                  | 759,420      |  |
| La Sal <sup>1</sup> .....                | 26,631                             | Toiyabe.....                             | 1,883,690    | Colville.....                  | 747,142      |  |
| Leadville.....                           | 927,413                            | New Hampshire:                           |              | Kaniku <sup>1</sup> .....      | 273,163      |  |
| Monteruma.....                           | 997,562                            | White Mountain <sup>1</sup> .....        |              | Mount Baker.....               | 1,460,651    |  |
| Pike.....                                | 1,067,115                          | New Jersey Dix.....                      | 4,785        | Olympic.....                   | 1,529,501    |  |
| Rio Grande.....                          | 1,135,764                          | New Mexico.....                          | 8,508,539    | Rainier.....                   | 1,261,558    |  |
| Routt.....                               | 750,254                            | Apache <sup>2</sup> .....                | 890,861      | Snoqualmie.....                | 612,086      |  |
| San Isabel.....                          | 599,416                            | Carson.....                              | 1,088,603    | Umatilla <sup>1</sup> .....    | 313,359      |  |
| San Juan.....                            | 1,241,720                          | Coronado <sup>2</sup> .....              | 124,828      | Wanatchee.....                 | 890,405      |  |
| Uncompahgre.....                         | 754,291                            | Datil.....                               | 1,748,654    | West Virginia.....             | 225,328      |  |
| White River.....                         | 894,565                            | Gila.....                                | 1,596,229    | Monongahela <sup>1</sup> ..... | 165,639      |  |
| Florida, Florida.....                    | 343,180                            | Lincoln.....                             | 1,113,559    | Shenandoah <sup>1</sup> .....  | 59,699       |  |
| Georgia.....                             | 273,505                            | Manzano.....                             | 679,610      | Wyoming.....                   | 8,548,234    |  |
| Benning.....                             | 78,560                             | Santa Fe.....                            | 1,270,195    | Ashley <sup>1</sup> .....      | 4,480        |  |
| Cherokee <sup>2</sup> .....              | 106,162                            | New York Pine.....                       |              | Bighorn.....                   | 1,126,632    |  |
| Nantahala <sup>1</sup> .....             | 89,783                             | Plains.....                              | 9,800        | Black Hills <sup>1</sup> ..... | 147,003      |  |
| Idaho.....                               | 10,097,794                         | North Carolina.....                      | 376,183      | Caribou <sup>2</sup> .....     | 4,315        |  |
| Bose.....                                | 1,063,313                          | Nantahala <sup>1</sup> .....             | 117,094      | Hayden <sup>2</sup> .....      | 327,784      |  |
| Cache <sup>1</sup> .....                 | 494,449                            | Pisgah <sup>1</sup> .....                | 1,259,089    | Medicine Bow.....              | 552,375      |  |
| Caribou <sup>1</sup> .....               | 703,459                            | Oklahoma, Wichita.....                   | 61,480       | Shoshone.....                  | 1,619,796    |  |
| Challis.....                             | 1,272,023                          | Oregon.....                              | 13,238,092   | Targhee <sup>1</sup> .....     | 345,570      |  |
| Clearwater.....                          | 793,178                            | Cascade.....                             | 1,023,800    | Teton.....                     | 1,881,212    |  |
| Coeur d'Alene.....                       | 657,873                            | Crater <sup>1</sup> .....                | 806,068      | Washakie.....                  | 867,899      |  |
| Idaho.....                               | 1,688,056                          | Deschutes.....                           | 1,296,142    | Wyoming.....                   | 1,668,288    |  |
|  |                                    | Freemont.....                            | 849,286      |                                |              |  |

<sup>1</sup> Figures include acreage actually acquired under the Weeks law. (See Table 659.)<sup>2</sup> Forest lies in more than one State.<sup>3</sup> Figures include acreage transferred from the Treasury Department.

Source: Forest Service, Department of Agriculture.

**No. 659.—NATIONAL GOVERNMENT FORESTS: LANDS ACQUIRED OR APPROVED FOR PURCHASE UNDER WRECKS LAW TO JUNE 30, 1927**

| State and area                            | Total area approved for purchase | Area acquired    | Area approved but not acquired | State and area                        | Total area approved for purchase | Area acquired | Area approved but not acquired |
|---|----------------------------------|------------------|--------------------------------|---------------------------------------|----------------------------------|---------------|--------------------------------|
|   | <i>Acres</i>                     | <i>Acres</i>     | <i>Acres</i>                   |                                       | <i>Acres</i>                     | <i>Acres</i>  | <i>Acres</i>                   |
| <b>Grand total</b> .....                  | <b>2,999,741</b>                 | <b>2,664,619</b> | <b>335,122</b>                 | <b>North Carolina—Continued:</b>      |                                  |               |                                |
| Alabama: Alabama.....                     | 92,856                           | 89,640           | 3,216                          | Pisgah (part).....                    | 261,395                          | 261,395       | 399                            |
| Arkansas, total.....                      | 107,147                          | 77,089           | 30,058                         | Pennsylvania: Allegheny.....          | 280,723                          | 214,806       | 65,916                         |
| Ouachita.....                             | 49,366                           | 29,190           | 20,176                         | South Carolina: Nantahala (part)..... | 43,068                           | 41,942        | 2,016                          |
| Ozark.....                                | 57,661                           | 35,493           | 22,168                         | Tennessee, total.....                 | 377,449                          | 323,790       | 53,659                         |
| Georgia, total.....                       | 245,422                          | 194,945          | 50,477                         | Cherokee (part).....                  | 190,375                          | 190,288       | 8,137                          |
| Cherokee (part).....                      | 181,029                          | 105,162          | 75,867                         | Pisgah (part).....                    | 31,092                           | 19,679        | 11,413                         |
| Nantahala (part).....                     | 25,393                           | 89,783           | 5,610                          | Unaka (part).....                     | 146,982                          | 112,873       | 34,109                         |
| Maine: White Mountain (part).....         | 33,346                           | 33,256           | 1,090                          | Virginia, total.....                  | 589,206                          | 574,355       | 14,851                         |
| Michigan: Michigan.....                   | 55,240                           |                  | 55,240                         | Monongahela (part).....               | 10,414                           | 10,414        |                                |
| Minnesota: Superior.....                  | 1,900                            |                  | 1,900                          | Natural Bridge.....                   | 181,792                          | 157,246       | 24,546                         |
| New Hampshire: White Mountain (part)..... | 437,341                          | 437,326          | 10,015                         | Shenandoah (part).....                | 370,099                          | 361,416       | 8,683                          |
| North Carolina, total.....                | 372,248                          | 364,614          | 7,634                          | Unaka (part).....                     | 46,908                           | 45,209        | 1,699                          |
| Cherokee (part).....                      | 6,646                            |                  | 6,646                          | West Virginia, total.....             | 265,692                          | 226,326       | 39,366                         |
| Nantahala (part).....                     | 114,204                          | 112,793          | 1,411                          | Monongahela (part).....               | 185,399                          | 165,639       | 19,760                         |
|   |                                  |                  |                                | Shenandoah (part).....                | 70,413                           | 59,686        | 10,726                         |

Source: Reports of the National Forest Reservation Commission.

**No. 660.—NATIONAL GOVERNMENT FORESTS: OPERATIONS, YEARS ENDED JUNE 30**

|  | 1921             | 1922             | 1923             | 1924             | 1925             | 1926             |
|--|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>Timber sales:</b>                                 |                  |                  |                  |                  |                  |                  |
| Number <sup>1</sup> .....                            | 12,690           | 12,926           | 12,720           | 11,222           | 12,349           | 12,199           |
| Quantity <sup>2</sup> ..... M ft. <sup>3</sup> ..... | 1,276,991        | 1,878,464        | 2,146,736        | 1,333,264        | 1,771,531        | 1,489,372        |
| Timber cut under sales <sup>1</sup> .....do.....     | 667,922          | 876,978          | 1,065,035        | 1,093,278        | 1,183,167        | 1,173,273        |
| <b>Free timber given:</b>                            |                  |                  |                  |                  |                  |                  |
| Number of users <sup>4</sup> .....                   | 40,535           | 37,158           | 34,032           | 35,566           | 32,695           | 34,797           |
| Timber cut..... M ft. <sup>3</sup> .....             | 123,245          | 89,510           | 95,965           | 99,367           | 78,348           | 108,170          |
| Value..... dollars.....                              | 117,054          | 96,848           | 97,994           | 93,800           | 81,902           | 107,330          |
| <b>Grazing, kinds of stock:</b>                      |                  |                  |                  |                  |                  |                  |
| Cattle <sup>4</sup> ..... No.....                    | 1,990,680        | 1,882,491        | 1,804,274        | 1,664,087        | 1,538,942        | 1,450,858        |
| Goats..... do.....                                   | 43,574           | 26,153           | 31,379           | 29,068           | 19,795           | 15,065           |
| Hogs..... do.....                                    | 2,453            | 2,149            | 1,347            | 1,500            | 846              | 1,085            |
| Horses..... do.....                                  | 78,115           | 67,856           | 64,104           | 58,184           | 57,904           | 57,398           |
| Sheep..... do.....                                   | 6,936,377        | 6,497,912        | 6,377,759        | 6,301,306        | 6,162,263        | 6,212,657        |
| <b>Revenue, total..... dollars.....</b>              | <b>4,151,921</b> | <b>3,481,531</b> | <b>5,335,618</b> | <b>5,251,968</b> | <b>4,600,187</b> | <b>5,164,661</b> |
| From—  |                  |                  |                  |                  |                  |                  |
| Timber <sup>5</sup> ..... do.....                    | 1,769,943        | 1,813,171        | 2,721,876        | 2,036,396        | 2,940,393        | 3,380,085        |
| Water power..... do.....                             | 68,069           | 99,657           | 73,174           | 82,916           | 95,297           | 94,714           |
| Special uses..... do.....                            | 158,296          | 175,182          | 187,501          | 207,637          | 228,236          | 250,830          |
| Grazing..... do.....                                 | 2,132,075        | 1,315,975        | 2,341,486        | 1,915,561        | 1,725,377        | 1,421,589        |
| All other..... do.....                               | 6,548            | 17,546           | 11,781           | 9,393            | 9,844            | 12,649           |

<sup>1</sup> Data are for calendar year.

<sup>2</sup> Amount sold is to be cut during a period of years, hence greater than amount cut in any one year.

<sup>3</sup> Board measure.

<sup>4</sup> Prior to 1922, number for which permits were granted; thereafter, number actually grazed.

<sup>5</sup> Includes receipts from timber and turpentine sales, timber settlement and trespass.

Source: Reports of the Forest Service, Department of Agriculture.



No. 661.—LUMBER PRODUCTION: TOTAL AND BY SPECIES •

[NOTE.—In the data designated as "Reported production" there are considerable variations in the comprehensiveness of the returns. For 1889 and 1904 custom mills are excluded and beginning with 1910 in each year except 1919 custom mills and mills cutting less than 50,000 board feet are excluded. Custom mills are much less important in recent years than formerly. Apart from the specific exclusions mentioned there are other variations in the completeness of the returns]

[All figures in millions of board feet]

| Year (calendar) | Reported production |           |           | Estimated total cut | Year (calendar) | Reported production |           |           | Estimated total cut |
|-----------------|---------------------|-----------|-----------|---------------------|-----------------|---------------------|-----------|-----------|---------------------|
|                 | Total               | Hard-wood | Soft-wood |                     |                 | Total               | Hard-wood | Soft-wood |                     |
| 1869.....       | 12,756              |           |           | (1)                 | 1916.....       | 39,807              | 8,475     | 31,332    | 40,000              |
| 1870.....       | 18,091              |           |           | (1)                 | 1917.....       | 35,831              | 6,657     | 29,174    | 36,000              |
| 1889.....       | 23,842              |           |           | (1)                 | 1918.....       | 31,890              | 6,223     | 25,667    | 32,000              |
| 1899.....       | 34,787              | 8,634     | 26,153    | 35,084              | 1919.....       | 34,552              | 7,145     | 27,407    | 34,552              |
| 1904.....       | 34,135              | 6,782     | 27,353    | 43,000              | 1920.....       | 33,799              | 6,969     | 26,810    | 33,799              |
| 1909.....       | 44,510              | 10,613    | 33,897    | 44,510              | 1921.....       | 26,961              | 4,775     | 22,186    | 30,500              |
| 1910.....       | 40,018              | 8,857     | 31,161    | 44,500              | 1922.....       | 31,569              | 4,925     | 26,644    | 35,000              |
| 1911.....       | 37,003              | 8,101     | 28,902    | 43,000              | 1923.....       | 37,166              | 6,262     | 30,904    | 39,000              |
| 1912.....       | 39,158              | 8,632     | 30,526    | 45,000              | 1924.....       | 35,931              | 6,525     | 29,406    | 37,000              |
| 1913.....       | 38,387              | 8,064     | 30,303    | 44,000              | 1925.....       | 38,339              | 6,628     | 31,710    | 39,000              |
| 1914.....       | 37,346              | 7,939     | 29,407    | 40,500              | 1926.....       | 36,936              | 6,467     | 30,469    | 35,000              |
| 1915.....       | 37,012              | 7,527     | 29,485    | 38,000              |                 |                     |           |           |                     |

| Species                  | Reported production by species |        |        |        |        |        |        |        |
|--------------------------|--------------------------------|--------|--------|--------|--------|--------|--------|--------|
|                          | 1899                           | 1909   | 1914   | 1919   | 1923   | 1924   | 1925   | 1926   |
| <b>Softwoods:</b>        |                                |        |        |        |        |        |        |        |
| Yellow pine.....         | 9,659                          | 16,277 | 14,473 | 13,063 | 12,949 | 12,487 | 13,236 | 11,752 |
| Douglas fir.....         | 1,737                          | 4,856  | 4,764  | 5,902  | 8,223  | 7,462  | 8,154  | 8,807  |
| White pine.....          | 7,742                          | 3,900  | 2,633  | 1,724  | 1,572  | 1,531  | 1,521  | 1,306  |
| Hemlock.....             | 3,421                          | 3,051  | 2,166  | 1,755  | 1,873  | 1,879  | 2,140  | 2,159  |
| Western yellow pine..... | 945                            | 1,500  | 1,327  | 1,755  | 2,805  | 2,603  | 3,127  | 3,173  |
| Spruce.....              | 1,448                          | 1,749  | 1,246  | 980    | 758    | 717    | 751    | 647    |
| Cypress.....             | 496                            | 956    | 1,013  | 656    | 819    | 877    | 903    | 752    |
| Redwood.....             | 360                            | 522    | 535    | 410    | 592    | 604    | 511    | 488    |
| Cedar.....               | 233                            | 346    | 500    | 332    | 365    | 330    | 372    | 368    |
| Larch.....               | 51                             | 421    | 350    | 388    | 351    | 306    | 307    | 254    |
| White fir.....           |                                | 89     | 113    | 223    | 330    | 319    | 337    | 350    |
| Sugar pine.....          | 54                             | 97     | 136    | 134    | 228    | 246    | 307    | 306    |
| Balsam fir.....          |                                | 109    | 125    | 68     | 19     | 22     | 20     | 18     |
| Lodge pole pine.....     |                                | 24     | 18     | 16     | 16     | 23     | 25     | 29     |
| All other softwood.....  | 9                              |        |        |        | 4      |        |        |        |
| <b>Hardwoods:</b>        |                                |        |        |        |        |        |        |        |
| Oak.....                 | 4,438                          | 4,414  | 3,279  | 2,708  | 2,028  | 2,077  | 2,129  | 2,191  |
| Maple.....               | 633                            | 1,107  | 910    | 857    | 842    | 857    | 921    | 829    |
| Red gum.....             | 285                            | 707    | 675    | 851    | 1,016  | 1,071  | 1,101  | 1,133  |
| Yellow poplar.....       | 1,115                          | 858    | 519    | 329    | 353    | 351    | 376    | 322    |
| Chestnut.....            | 207                            | 664    | 541    | 546    | 350    | 313    | 308    | 298    |
| Birch.....               | 133                            | 452    | 431    | 375    | 351    | 382    | 412    | 365    |
| Beech.....               |                                | 511    | 376    | 359    | 191    | 194    | 181    | 175    |
| Basswood.....            | 308                            | 399    | 265    | 184    | 173    | 200    | 180    | 153    |
| Elm.....                 | 457                            | 347    | 214    | 194    | 206    | 209    | 191    | 182    |
| Cottonwood.....          | 415                            | 266    | 195    | 144    | 158    | 167    | 142    | 122    |
| Ash.....                 | 269                            | 291    | 189    | 155    | 149    | 183    | 179    | 164    |
| Hickory.....             | 97                             | 324    | 116    | 170    | 96     | 86     | 79     | 86     |
| Tupelo.....              |                                | 97     | 124    | 144    | 175    | 235    | 220    | 256    |
| Walnut.....              | 39                             | 46     | 26     | 39     | 49     | 68     | 70     | 52     |
| Sycamore.....            | 30                             | 57     | 23     | 28     | 25     | 28     | 24     | 32     |
| All other hardwood.....  | 209                            | 63     | 56     | 61     | 100    | 104    | 115    | 107    |

<sup>1</sup> Not available.  
<sup>2</sup> Excludes items reported in M feet b. m. under "Other sawed products." (For total including these items, see Table 662.)  
 Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture. Estimated total cut for certain years based on National Lumber Manufacturers' Association data.

## No. 662.—LUMBER: REPORTED PRODUCTION BY REGIONS AND STATES

(Note.—See heading, Table 661)

(In millions of board feet)

|                                   | 1920           | 1921           | 1922           | 1923           | 1924           | 1925           | 1926           | 1927           | 1928           |
|-----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>United States</b>              | <b>23, 542</b> | <b>24, 079</b> | <b>24, 510</b> | <b>27, 340</b> | <b>24, 842</b> | <b>27, 144</b> | <b>24, 951</b> | <b>23, 239</b> | <b>24, 222</b> |
| <b>Northeastern States</b>        | <b>4, 726</b>  | <b>5, 709</b>  | <b>4, 197</b>  | <b>2, 849</b>  | <b>2, 854</b>  | <b>1, 998</b>  | <b>1, 919</b>  | <b>1, 907</b>  | <b>1, 426</b>  |
| Maine                             | 597            | 793            | 1, 113         | 903            | 806            | 376            | 370            | 339            | 241            |
| New Hampshire                     | 277            | 372            | 530            | 463            | 330            | 235            | 265            | 361            | 263            |
| Vermont                           | 384            | 376            | 332            | 300            | 313            | 120            | 137            | 126            | 112            |
| Massachusetts                     | 313            | 444            | 304            | 143            | 167            | 136            | 130            | 169            | 36             |
| Connecticut                       | 49             | 103            | 169            | 89             | 87             | 59             | 66             | 61             | 47             |
| New York                          | 935            | 978            | 651            | 476            | 349            | 266            | 290            | 186            | 171            |
| New Jersey                        | 34             | 74             | 63             | 49             | 57             | 14             | 13             | 30             | 7              |
| Pennsylvania                      | 2, 133         | 2, 333         | 1, 463         | 806            | 650            | 362            | 348            | 361            | 249            |
| Maryland                          | 32             | 164            | 303            | 162            | 113            | 63             | 65             | 39             | 69             |
| Rhode Island                      | 8              | 19             | 26             | 16             | 11             | 4              | 4              | 4              | 6              |
| Delaware                          | 26             | 36             | 55             | 26             | 37             | 19             | 14             | 7              | 9              |
| <b>Central States</b>             | <b>2, 130</b>  | <b>2, 949</b>  | <b>5, 437</b>  | <b>2, 621</b>  | <b>2, 416</b>  | <b>2, 645</b>  | <b>2, 687</b>  | <b>1, 969</b>  | <b>1, 997</b>  |
| Ohio                              | 865            | 990            | 543            | 266            | 280            | 163            | 154            | 141            | 140            |
| Indiana                           | 755            | 1, 037         | 556            | 299            | 322            | 159            | 165            | 179            | 129            |
| Illinois                          | 328            | 366            | 179            | 65             | 65             | 25             | 23             | 30             | 66             |
| Missouri                          | 403            | 734            | 660            | 371            | 399            | 179            | 196            | 187            | 179            |
| West Virginia                     | 362            | 778            | 1, 473         | 1, 123         | 763            | 666            | 614            | 585            | 569            |
| Kentucky                          | 423            | 776            | 841            | 806            | 523            | 196            | 194            | 207            | 217            |
| Tennessee                         | 462            | 651            | 1, 234         | 895            | 793            | 661            | 660            | 642            | 633            |
| <b>Lake States</b>                | <b>2, 261</b>  | <b>2, 790</b>  | <b>6, 674</b>  | <b>2, 913</b>  | <b>2, 693</b>  | <b>2, 898</b>  | <b>2, 332</b>  | <b>2, 445</b>  | <b>2, 907</b>  |
| Michigan                          | 4, 209         | 2, 018         | 1, 890         | 1, 314         | 876            | 533            | 794            | 797            | 603            |
| Minnesota                         | 1, 084         | 2, 342         | 1, 642         | 1, 312         | 700            | 552            | 629            | 579            | 471            |
| Wisconsin                         | 2, 866         | 3, 389         | 2, 035         | 1, 301         | 1, 116         | 1, 070         | 1, 016         | 1, 069         | 945            |
| <b>North Carolina Pine States</b> | <b>1, 129</b>  | <b>2, 712</b>  | <b>4, 177</b>  | <b>4, 417</b>  | <b>2, 374</b>  | <b>2, 997</b>  | <b>2, 646</b>  | <b>2, 736</b>  | <b>2, 890</b>  |
| Virginia                          | 416            | 959            | 2, 102         | 1, 463         | 1, 098         | 771            | 696            | 708            | 677            |
| North Carolina                    | 515            | 1, 287         | 2, 178         | 2, 228         | 1, 664         | 1, 090         | 1, 072         | 1, 041         | 971            |
| South Carolina                    | 199            | 466            | 898            | 792            | 622            | 1, 070         | 878            | 980            | 842            |
| <b>Southern States</b>            | <b>2, 718</b>  | <b>2, 604</b>  | <b>14, 790</b> | <b>13, 364</b> | <b>12, 704</b> | <b>13, 604</b> | <b>13, 802</b> | <b>14, 413</b> | <b>13, 608</b> |
| Georgia                           | 878            | 1, 312         | 1, 343         | 1, 026         | 894            | 1, 149         | 1, 207         | 1, 365         | 1, 146         |
| Florida                           | 412            | 790            | 1, 302         | 1, 074         | 1, 137         | 1, 110         | 1, 069         | 1, 084         | 921            |
| Alabama                           | 569            | 1, 101         | 1, 491         | 1, 493         | 1, 799         | 1, 787         | 1, 873         | 2, 228         | 2, 106         |
| Mississippi                       | 454            | 1, 206         | 2, 573         | 2, 281         | 2, 300         | 2, 691         | 2, 677         | 3, 128         | 2, 826         |
| Arkansas                          | 538            | 1, 624         | 2, 111         | 1, 797         | 1, 772         | 1, 638         | 1, 536         | 1, 597         | 1, 441         |
| Louisiana                         | 304            | 1, 116         | 3, 552         | 3, 956         | 3, 164         | 3, 554         | 3, 397         | 3, 293         | 2, 890         |
| Texas                             | 843            | 1, 232         | 2, 099         | 1, 554         | 1, 360         | 1, 559         | 1, 529         | 1, 578         | 1, 406         |
| Oklahoma                          | 3              | 22             | 226            | 201            | 168            | 136            | 156            | 157            | 160            |
| <b>Rocky Mountain States</b>      | <b>349</b>     | <b>356</b>     | <b>1, 293</b>  | <b>1, 340</b>  | <b>1, 340</b>  | <b>1, 611</b>  | <b>1, 700</b>  | <b>1, 920</b>  | <b>1, 908</b>  |
| Montana                           | 90             | 256            | 308            | 318            | 287            | 427            | 350            | 289            | 272            |
| Idaho                             | 28             | 65             | 646            | 764            | 765            | 1, 073         | 1, 019         | 1, 140         | 947            |
| Arizona                           | 5              | 36             | 63             | 79             | 74             | 131            | 143            | 146            | 113            |
| New Mexico                        | 26             | 31             | 92             | 67             | 87             | 126            | 125            | 162            | 127            |
| Colorado                          | 80             | 134            | 142            | 102            | 65             | 38             | 43             | 71             | 73             |
| Utah                              | 14             | 18             | 12             | 9              | 12             | 8              | 7              | 6              | 6              |
| Wyoming                           | 6              | 17             | 29             | 12             | 9              | 8              | 15             | 16             | 19             |
| <b>Pacific States</b>             | <b>2, 098</b>  | <b>2, 608</b>  | <b>6, 808</b>  | <b>7, 067</b>  | <b>5, 798</b>  | <b>12, 789</b> | <b>11, 939</b> | <b>11, 397</b> | <b>14, 139</b> |
| Washington                        | 1, 064         | 1, 429         | 3, 863         | 3, 846         | 4, 961         | 6, 678         | 6, 267         | 7, 027         | 7, 546         |
| Oregon                            | 446            | 735            | 1, 899         | 1, 818         | 2, 577         | 3, 966         | 3, 666         | 4, 217         | 4, 455         |
| California                        | 518            | 727            | 1, 114         | 1, 302         | 1, 259         | 2, 112         | 1, 996         | 2, 043         | 2, 136         |
| <b>All other<sup>1</sup></b>      | <b>612</b>     | <b>401</b>     | <b>179</b>     | <b>46</b>      | <b>36</b>      | <b>66</b>      | <b>69</b>      | <b>63</b>      | <b>69</b>      |
| Iowa                              | ■              | 352            | 132            | 11             | 18             | 10             | 12             | 10             | ■              |
| <b>PERCENTAGE DISTRIBUTION</b>    |                |                |                |                |                |                |                |                |                |
| <b>United States</b>              | <b>100. 0</b>  | <b>100. 0</b>  | <b>100. 0</b>  | <b>100. 0</b>  | <b>100. 0</b>  | <b>100. 0</b>  | <b>100. 0</b>  | <b>100. 0</b>  | <b>100. 0</b>  |
| Northeastern States               | 19. 8          | 16. 3          | 11. 7          | 9. 6           | 7. 5           | 4. 4           | 4. 5           | 2. 9           | 3. 6           |
| Central States                    | 13. 1          | 16. 1          | 12. 3          | 9. 7           | 8. 7           | 5. 5           | 5. 7           | 5. 1           | 5. 4           |
| Lake States                       | 34. 6          | 24. 9          | 12. 3          | 10. 5          | 7. 8           | 6. 4           | 6. 5           | 6. 4           | 5. 5           |
| North Carolina Pine States        | 4. 7           | 7. 7           | 11. 6          | 11. 8          | 9. 8           | 7. 9           | 7. 4           | 7. 1           | 7. 0           |
| Southern States                   | 13. 6          | 24. 0          | 33. 3          | 35. 6          | 30. 8          | 36. 4          | 37. 8          | 37. 6          | 35. 2          |
| Rocky Mountain States             | 1. 1           | 1. 6           | 2. 9           | 3. 6           | 3. 7           | 4. 9           | 4. 7           | 5. 0           | 4. 5           |
| Pacific States                    | 8. 5           | 8. 3           | 15. 5          | 18. 9          | 25. 4          | 24. 3          | 33. 2          | 24. 7          | 29. 4          |
| All other                         | 2. 6           | 1. 1           | 4              | 1              | . 2            | . 2            | . 2            | . 2            | 2              |

<sup>1</sup> Figures include Nevada.<sup>2</sup> Includes, besides Iowa, the plains States of Kansas, Nebraska, South Dakota, and in certain years small figures for the District of Columbia and Nevada.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

### No. 663.—ESTIMATED QUANTITY OF TIMBER REMOVED ANNUALLY FROM FORESTS

[NOTE.—Quantities are based mainly upon averages of production within the period 1912-1921. Values are based on prices prevailing in 1919 and include all value added to the material by cutting, transporting, manufacturing, or otherwise preparing for use]

| Product and waste                                       | Unit of measure | Quantity, in thousands | Approximate value or cost | Equivalent in lumber which could have been sawed from same trees |                            |                            |
|---|-----------------|------------------------|---------------------------|--|----------------------------|----------------------------|
|   |                 |                        |                           | Total (M feet, b. m.)  | Soft-woods (M feet, b. m.) | Hard-woods (M feet, b. m.) |
| Aggregate.....  |                 |                        | \$2,354,015,000           | 80,198,700   | 41,057,780                 | 19,135,920                 |
| Products, total.....                                    |                 |                        | 2,232,015,000             | 52,943,700   | 35,507,750                 | 17,435,950                 |
| Lumber, dimension material and sawed ties.....          | Foot, b. m.     | 37,700,000             | 1,138,917,000             | 37,700,000   | 28,275,000                 | 9,425,000                  |
| Fuel wood.....  | Cord.....       | 100,000                | 475,000,000               | 5,600,000  | 1,500,000                  | 3,500,000                  |
| Pulpwood.....   | do.....         | 5,000                  | 79,750,000                | 2,340,000  | 2,145,000                  | 195,000                    |
| Ties, hewed.....  | Number.....     | 70,000                 | 73,500,000                | 2,100,000  | 420,000                    | 1,680,000                  |
| Cooperage stock.....                                    |                 |                        |                           |  |                            |                            |
| Tight staves.....                                       | do.....         | 350,000                | 19,250,000                | 532,000  | 133,000                    | 399,000                    |
| Tight heading.....                                      | Set.....        | 24,000                 | 12,000,000                | 178,000  | 36,200                     | 141,800                    |
| Slack staves.....                                       | Number.....     | 1,200,000              | 18,000,000                | 362,000  | 121,600                    | 240,400                    |
| Slack heading.....                                      | Set.....        | 90,000                 | 10,800,000                | 333,000  | 166,500                    | 166,500                    |
| Hoops.....  | Number.....     | 120,000                | 1,800,000                 | 21,500   |                            | 21,500                     |
| Shingles.....   | do.....         | 9,000,000              | 37,710,000                | 900,000  | 900,000                    |                            |
| Mine timbers.....                                       | Cubic foot..... | 293,000                | 56,913,000                | 578,000  | 439,500                    | 439,500                    |
| Fence posts.....  | Number.....     | 900,000                | 225,000,000               | 825,000  | 660,000                    | 165,000                    |
| Veneer logs.....  | Foot, l s.....  | 576,000                | 25,079,000                | 691,200  | 103,680                    | 587,520                    |
| Poles.....  | Number.....     | 4,250                  | 10,625,000                | 255,000  | 200,000                    | 55,000                     |
| Vehicle stock, woodenware, handles, furniture, etc..... | Board foot..... | 200,000                | 7,258,000                 | 200,000  | 2,300                      | 197,700                    |
| Distillation wood.....                                  | Cord.....       | 1,400                  | 9,268,000                 | 185,000  |                            | 185,000                    |
| Pillars.....  | Number.....     | 1,500                  | 6,000,000                 | 180,000  | 140,000                    | 40,000                     |
| Export logs and hewn timbers.....                       | Board foot..... | 100,000                | 3,445,000                 | 100,000  | 50,000                     | 50,000                     |
| Tanning extract wood.....                               | Cord.....       | 1,000                  | 10,250,000                | 57,000   |                            | 57,000                     |
| Presses for wood.....                                   | do.....         | 200,000                | 1,800,000                 | 75,000   | 15,000                     | 60,000                     |
| Lath.....   | Number.....     | 2,000,000              | 9,620,000                 |  |                            |                            |
| Destroyed by fire.....                                  | Cubic foot..... | 1,080,000              | 10,000,000                | 2,250,000  | 1,750,000                  | 500,000                    |
| Destroyed by insects, disease, and windfall.....        | do.....         | 1,300,000              | 12,000,000                | 5,000,000  | 4,000,000                  | 1,000,000                  |

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture

### No. 664.—LUMBER: COMPOSITE PRICES

[NOTE.—The prices represent a combined weighted average for the respective species of lumber, based on quotations on various grades for each species, and the species weighted according to annual production. The softwood index is based upon seven species: Yellow pine, Douglas fir, North Carolina pine, white pine, hemlock, spruce, and cypress. The hardwood index is based upon 13 species: Maple, birch, beech, basswood, elm, oak, gum, ash, cottonwood, chestnut, poplar, hickory, and walnut]

[Dollars per 1,000 board feet]

| Month          | Softwoods |        |        |        |        | Hardwoods |        |        |        |        |
|----------------|-----------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|
|                | 1923      | 1924   | 1925   | 1926   | 1927   | 1923      | 1924   | 1925   | 1926   | 1927   |
| Year.....      | 323.94    | 330.95 | 336.71 | 330.37 | 329.66 | 346.73    | 343.11 | 341.80 | 341.56 | 341.13 |
| January.....   | 34.51     | 31.98  | 31.44  | 30.79  | 29.74  | 46.18     | 43.71  | 43.49  | 42.60  | 41.11  |
| February.....  | 35.53     | 32.97  | 31.68  | 31.32  | 29.76  | 45.88     | 44.14  | 44.23  | 43.79  | 41.08  |
| March.....     | 36.56     | 32.44  | 31.63  | 31.44  | 30.26  | 46.11     | 44.46  | 43.78  | 43.00  | 40.80  |
| April.....     | 36.94     | 32.28  | 31.41  | 31.48  | 30.52  | 50.28     | 44.60  | 42.92  | 41.96  | 40.65  |
| May.....       | 36.47     | 31.34  | 30.84  | 31.46  | 30.65  | 49.78     | 44.67  | 41.43  | 41.70  | 41.96  |
| June.....      | 35.10     | 29.97  | 29.93  | 30.23  | 30.65  | 48.42     | 42.58  | 40.94  | 41.61  | 42.47  |
| July.....      | 33.23     | 29.31  | 29.85  | 30.71  | 30.57  | 47.05     | 42.12  | 40.22  | 39.95  | 42.59  |
| August.....    | 31.84     | 29.82  | 30.15  | 29.98  | 29.49  | 45.35     | 41.77  | 40.16  | 39.95  | 42.40  |
| September..... | 31.39     | 30.27  | 30.35  | 29.90  | 29.74  | 44.58     | 41.90  | 40.58  | 40.98  | 41.64  |
| October.....   | 31.69     | 29.79  | 30.35  | 30.26  | 31.77  | 44.37     | 42.19  | 40.54  | 40.93  | 40.02  |
| November.....  | 31.56     | 30.21  | 30.50  | 30.98  | 28.29  | 43.68     | 42.59  | 41.67  | 41.15  | 39.04  |
| December.....  | 31.48     | 30.96  | 30.34  | 29.78  | 28.84  | 43.46     | 42.63  | 41.69  | 41.15  | 39.74  |

Sources: Department of Commerce, Survey of Current Business, compiled from weekly data published in the Lumber Manufacturer and Dealer.

## No. 665.—LUMBER: AVERAGE MILL VALUE PER 1,000 BOARD FEET

| Kind of wood           | 1909    | 1904    | 1909    | 1919    | 1920    | 1921    | 1922    | 1923    | 1924    | 1925    | 1926    |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| All kinds <sup>1</sup> | \$11.12 | \$12.76 | \$15.38 | \$20.21 | \$28.42 | \$23.47 | \$28.15 | \$31.75 | \$22.57 | \$28.02 | \$27.34 |
| SOFTWOODS              |         |         |         |         |         |         |         |         |         |         |         |
| Balsam fir             | (?)     | (?)     | 13.99   | 32.23   | 34.33   | 25.71   | 25.03   | 27.62   | 27.66   | 26.65   | 25.64   |
| Cedar                  | 10.91   | 14.35   | 19.95   | 33.80   | 38.08   | 28.35   | 29.19   | 37.56   | 38.74   | 39.80   | 37.28   |
| Cypress                | 13.32   | 17.50   | 20.46   | 38.38   | 51.02   | 38.88   | 40.06   | 44.01   | 42.08   | 40.90   | 43.33   |
| Douglas fir            | 8.87    | 9.51    | 12.44   | 24.62   | 34.50   | 14.04   | 20.93   | 26.99   | 22.08   | 23.04   | 20.17   |
| Hemlock                | 9.98    | 11.91   | 13.95   | 29.16   | 32.05   | 20.79   | 21.83   | 26.21   | 23.35   | 21.84   | 20.23   |
| Larch (tamarack)       | 8.73    | 11.39   | 12.66   | 23.39   | 20.28   | 15.56   | 18.54   | 21.06   | 20.82   | 18.25   | 17.77   |
| Lodgepole pine         | (?)     | (?)     | 16.25   | 29.98   | 30.58   | 21.81   | 19.67   | 21.76   | 21.67   | 20.27   | 19.08   |
| Redwood                | 10.12   | 12.83   | 14.80   | 30.04   | 46.90   | 40.57   | 35.72   | 43.08   | 35.90   | 33.99   | 33.80   |
| Spruce                 | 11.27   | 14.03   | 16.91   | 30.76   | 34.24   | 25.73   | 28.47   | 31.44   | 30.19   | 27.98   | 27.27   |
| Sugar pine             | 12.30   | (?)     | 18.14   | 35.00   | 48.76   | 37.83   | 43.78   | 45.33   | 40.54   | 44.79   | 48.45   |
| Yellow pine            | 8.46    | 9.96    | 12.69   | 28.71   | 35.89   | 19.42   | 23.66   | 29.82   | 26.55   | 26.46   | 26.54   |
| Western yellow pine    | 9.70    | 11.30   | 15.39   | 27.75   | 36.73   | 26.95   | 27.75   | 33.09   | 27.73   | 27.70   | 26.62   |
| White fir              | (?)     | (?)     | 13.10   | 25.66   | 30.44   | 21.87   | 19.97   | 23.84   | 21.69   | 22.51   | 20.13   |
| White pine             | 12.69   | 14.93   | 18.16   | 32.83   | 41.49   | 30.03   | 36.37   | 34.65   | 32.66   | 32.66   | 31.86   |
| HARDWOODS              |         |         |         |         |         |         |         |         |         |         |         |
| Ash                    | 15.84   | 18.77   | 24.44   | 52.69   | 61.28   | 38.18   | 42.43   | 50.35   | 49.54   | 48.46   | 48.07   |
| Basswood               | 12.84   | 16.98   | 19.59   | 40.03   | 54.28   | 33.09   | 35.67   | 45.00   | 41.94   | 39.76   | 37.07   |
| Beech                  | (?)     | (?)     | 13.25   | 29.08   | 28.51   | 20.99   | 26.64   | 30.22   | 29.95   | 29.21   | 27.94   |
| Birch                  | 12.50   | 15.44   | 16.95   | 35.79   | 53.44   | 31.53   | 35.94   | 43.33   | 43.83   | 41.68   | 40.80   |
| Chestnut               | 13.37   | 13.78   | 16.12   | 32.30   | 42.48   | 27.87   | 29.29   | 29.75   | 25.07   | 26.37   | 29.54   |
| Cottonwood             | 10.37   | 14.92   | 18.05   | 32.24   | 33.38   | 25.05   | 26.95   | 30.19   | 29.43   | 26.70   | 34.47   |
| Elm                    | 11.47   | 14.45   | 17.52   | 36.39   | 47.23   | 29.63   | 23.28   | 43.53   | 38.63   | 36.41   | 37.13   |
| Gum, red and sap.      | 9.63    | 10.87   | 13.20   | 32.68   | 35.24   | 22.46   | 27.07   | 32.35   | 30.24   | 31.39   | 33.73   |
| Hickory                | 18.78   | 23.34   | 30.80   | 44.37   | 52.57   | 36.60   | 36.20   | 46.38   | 52.24   | 39.25   | 51.30   |
| Maple                  | 11.83   | 14.94   | 15.77   | 35.56   | 50.16   | 30.34   | 33.52   | 41.59   | 40.36   | 38.18   | 37.21   |
| Oak                    | 13.78   | 17.51   | 20.50   | 37.87   | 48.88   | 30.56   | 34.01   | 39.08   | 36.13   | 37.00   | 35.67   |
| Sycamore               | 11.04   | (?)     | 14.87   | 30.32   | 32.12   | 22.55   | 25.29   | 30.25   | 29.31   | 31.11   | 29.49   |
| Tupelo                 | (?)     | (?)     | 11.87   | 28.42   | 33.68   | 14.59   | 22.86   | 24.90   | 26.90   | 24.66   | 26.71   |
| Yellow poplar          | 14.03   | 18.99   | 23.39   | 41.65   | 53.87   | 37.31   | 39.18   | 51.29   | 44.38   | 48.44   | 35.63   |
| Walnut                 | 36.49   | 45.64   | 43.70   | 72.13   | 88.92   | 68.83   | 80.06   | 109.38  | 103.66  | 111.52  | 113.57  |

<sup>1</sup> Including minor species.<sup>2</sup> No data.

Sources: Bureau of the Census, Department of Commerce and Forest Service, Department of Agriculture.

## No. 666.—VENEERS: TIMBER CONSUMED IN MANUFACTURING VENEERS

[In thousands of feet, log scale]

| State          | 1909    | 1914    | 1925    | Kind of wood  | 1909    | 1922    | 1925    |
|----------------|---------|---------|---------|---------------|---------|---------|---------|
| Total          | 434,981 | 645,792 | 754,119 | Domestic      |         |         |         |
| Alabama        | 14,565  | 43,214  | 38,561  | Basswood      | 13,715  | 8,771   | 9,413   |
| Arkansas       | 26,116  | 64,117  | 58,122  | Birch         | 24,643  | 42,936  | 51,490  |
| Florida        | 33,293  | 49,016  | 29,999  | Cottonwood    | 30,842  | 40,404  | 39,609  |
| Illinois       | 35,646  | 13,722  | 11,967  | Douglas fir   | 1,111   | 55,123  | 101,809 |
| Kentucky       | 19,356  | 25,020  | 23,309  | Elm           | 16,254  | 9,570   | 8,603   |
| Louisiana      | 3,164   | 23,728  | 34,395  | Maple         | 35,444  | 23,310  | 23,923  |
| Mississippi    | 7,563   | 45,496  | 57,268  | Red gum       | 129,939 | 220,703 | 237,465 |
| New York       | 24,216  | 16,382  | 24,095  | Tupelo        | 18,476  | 26,306  | 48,311  |
| North Carolina | 19,984  | 53,196  | 64,640  | Walnut        | 2,400   | 15,452  | 17,573  |
| Oregon         | 3,291   | 26,369  | 29,793  | White oak     | 28,742  | 12,940  | 20,661  |
| South Carolina | 2,944   | 20,783  | 29,609  | Yellow pine   | 48,143  | 65,100  | 45,818  |
| Tennessee      | 30,574  | 30,963  | 40,454  | Yellow poplar | 28,826  | 45,876  | 50,770  |
| Virginia       | 21,609  | 21,179  | 26,416  | All other     | 32,906  | 58,373  | 65,201  |
| Washington     | 5,419   | 53,510  | 112,484 | Imported      |         |         |         |
| Wisconsin      | 31,737  | 37,513  | 34,292  | Mahogany      | 16,067  | 6,064   | 7,471   |
| All other      | 156,502 | 121,565 | 119,135 | Spanish cedar | 5,140   | 2,714   | 5,149   |
|                |         |         |         | All other     | 3,359   | 961     | 1,114   |

Source: Bureau of the Census, Department of Commerce.

## No. 667.—LATH AND SHINGLES: PRODUCTION

[ All figures in thousands of lath or shingles ]

| Year (calendar) | Lath      | Shingles   | Year (calendar)      | Lath      | Shingles  |
|-----------------|-----------|------------|----------------------|-----------|-----------|
| United States.  |           |            | United States—Contd. |           |           |
| 1899            | 2,523,906 | 12,102,017 | 1920                 | 1,952,963 | 6,156,416 |
| 1904            | 2,647,847 | 14,546,551 | 1921                 | 1,970,606 | 6,843,187 |
| 1910            | 3,494,718 | 12,976,362 | 1922                 | 2,940,714 | 8,131,242 |
| 1915            | 2,745,134 | 8,450,378  | 1923                 | 3,328,013 | 7,505,869 |
| 1916            | 2,754,681 | 9,371,333  | 1924                 | 2,961,200 | 6,862,385 |
| 1917            | 2,281,738 | 8,096,513  | 1925                 | 3,161,137 | 7,324,027 |
| 1918            | 1,362,187 | 5,600,182  | 1926                 | 3,083,130 | 6,008,346 |
| 1919            | 1,734,078 | 9,192,704  |                      |           |           |

| States         | Lath    |         |         |         | Shingles  |           |           |           |
|----------------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|
|                | 1909    | 1919    | 1924    | 1926    | 1909      | 1910      | 1925      | 1926      |
| Alabama        | 50,979  | 42,502  | 44,582  | 39,330  | 245,871   | 62,241    | 16,983    | 16,309    |
| Arkansas       | 78,362  | 72,827  | 58,317  | 48,935  | 208,060   | 98,937    | 21,478    | 1,713     |
| California     | 32,615  | 43,042  | 146,412 | 104,199 | 574,342   | 191,631   | 143,384   | 168,194   |
| Florida        | 55,741  | 76,402  | 147,867 | 132,389 | 283,206   | 128,280   | 47,130    | 32,408    |
| Georgia        | 58,704  | 19,718  | 22,186  | 10,191  | 443,260   | 114,806   | 18,762    | 11,643    |
| Idaho          | 86,740  | 69,150  | 134,240 | 109,935 | 62,306    | 22,657    | 15,836    | 19,497    |
| Louisiana      | 377,708 | 199,015 | 320,443 | 273,348 | 757,868   | 300,784   | 111,887   | 82,977    |
| Maine          | 337,066 | 104,223 | 184,533 | 164,615 | 598,131   | 188,576   | 91,264    | 67,587    |
| Michigan       | 218,308 | 51,469  | 71,360  | 58,129  | 891,649   | 144,173   | 88,053    | 70,418    |
| Minnesota      | 478,008 | 115,741 | 317,149 | 224,560 | 74,818    | 4,451     | 330       | 740       |
| Mississippi    | 90,926  | 96,204  | 170,961 | 197,968 | 151,303   | 34,002    | 23,841    | 15,732    |
| Montana        | 35,430  | 21,362  | 32,109  | 32,261  | 525       | 253       | 2,700     | 275       |
| North Carolina | 70,724  | 19,079  | 11,661  | 29,534  | 280,942   | 92,139    | 29,417    | 21,575    |
| Oregon         | 161,512 | 122,848 | 360,438 | 388,733 | 293,644   | 530,066   | 442,628   | 309,727   |
| Texas          | 69,627  | 35,916  | 60,107  | 70,661  | 137,719   | 13,581    | 1,038     | 1,966     |
| Virginia       | 127,555 | 27,073  | 27,073  | 29,006  | 39,172    | 1,637     | 56        | 57        |
| Washington     | 451,384 | 339,058 | 766,591 | 901,976 | 8,879,467 | 7,095,122 | 6,190,650 | 5,135,160 |
| West Virginia  | 150,820 | 22,005  | 32,810  | 61,224  | 6,829     | 120       |           | 391       |
| Wisconsin      | 290,845 | 138,936 | 142,704 | 119,533 | 392,863   | 98,928    | 54,440    | 50,745    |
| All other      | 481,121 | 107,505 | 108,434 | 86,583  | 585,374   | 72,114    | 18,088    | 9,242     |

¹ Includes Nevada.

## No. 668.—COOPERAGE STOCK: PRODUCTION OF STAVES, HEADING, AND HOOPS

[NOTE.—Production of wooden hoops in 1923 was 153,954,000 and in 1925, 149,167,000, nearly all elm]

| Year and State     | Staves (thou-<br>sands) |           | Heading (thou-<br>sand sets) |         | Kind of wood | Staves (thou-<br>sands) |         | Heading (thou-<br>sand sets) |        |
|--------------------|-------------------------|-----------|------------------------------|---------|--------------|-------------------------|---------|------------------------------|--------|
|                    | Tight                   | Slack     | Tight                        | Slack   |              | Tight                   | Slack   | Tight                        | Slack  |
| Total 1909         | 379,231                 | 2,029,548 | 20,891                       | 140,234 | 1925         |                         |         |                              |        |
| 1919               | 353,825                 | 1,121,324 | 24,274                       | 67,381  |              |                         |         |                              |        |
| 1921               | 255,047                 | 893,621   | 20,505                       | 66,747  | Total        | 240,023                 | 937,597 | 23,052                       | 71,371 |
| 1923               | 222,507                 | 893,682   | 19,342                       | 60,477  | White oak    | 59,322                  |         | 6,745                        |        |
| 1925               | 240,023                 | 937,597   | 23,052                       | 71,371  | Red oak      | 41,608                  | 9,044   | 3,940                        |        |
| 1925               |                         |           |                              |         | Gum          | 17,176                  | 342,434 | 1,712                        | 12,060 |
| Alabama            | 12,005                  | 48,722    | 242                          | 19,471  | Pine         | 22,899                  | 212,416 | 1,081                        | 31,967 |
| Arkansas           | 46,459                  | 245,093   | 5,647                        |         | Douglas fir  | 39,807                  | 52,148  | 2,693                        | 1,466  |
| Florida            | (1)                     | 16,734    | (1)                          | 906     | Hemlock      | (1)                     |         |                              |        |
| Georgia            | 4,540                   | 11,490    | 578                          | 7,279   | Ash          | 4,499                   | 47,423  | 786                          | 4,441  |
| Louisiana          | 21,044                  | 53,845    | 1,356                        | 5,383   | Elm          | (1)                     | 101,011 |                              | 706    |
| Maine              |                         | 12,029    | (1)                          | 251     | Tupelo       |                         | 81,529  |                              | 976    |
| Massachusetts      | (1)                     | 5,219     | (1)                          | 614     | Cottonwood   |                         | 59,730  |                              | 4,480  |
| Mississippi        | 8,892                   | 54,686    | 418                          |         | Birch        |                         | 8,798   |                              | 4,424  |
| Missouri           | (1)                     | 115,822   | (1)                          | 4,316   | Beech        |                         |         |                              | 2,803  |
| New Hamp-<br>shire | 18,888                  | 1,442     | 1,180                        | 1,048   | Spruce       | 52,994                  | 15,759  | 4,841                        | 1,814  |
| North Carolina     |                         | 50,729    |                              | 4,175   | Maple        |                         |         |                              | 1,367  |
| Tennessee          | 18,334                  | 37,074    | 4,028                        | 1,010   | Poplar       |                         | 12,289  |                              |        |
| Virginia           | (1)                     | 112,321   |                              | 1,987   | Basswood     |                         |         |                              | 2,930  |
| Washington         | 54,271                  |           | 4,835                        |         | All other    | 1,718                   | 45,016  | 261                          | 2,047  |
| All other          | 54,990                  | 165,791   | 4,768                        | 24,931  |              |                         |         |                              |        |

¹ Included in "All other."

Sources of Tables 667 and 668: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

# FOREST PRODUCTS

## LPWOOD: CONSUMPTION BY MILLS, AND MILL COST

(Include both domestic and imported wood The cost is f. o. b. pulp mill)

| Year | Cost                          |                          |                  | Year | Cost                          |                          |                  | Year | Cost                          |                          |                  |
|------|-------------------------------|--------------------------|------------------|------|-------------------------------|--------------------------|------------------|------|-------------------------------|--------------------------|------------------|
|      | Quantity, all species (cords) | Total (thousand dollars) | Average per cord |      | Quantity, all species (cords) | Total (thousand dollars) | Average per cord |      | Quantity, all species (cords) | Total (thousand dollars) | Average per cord |
| 1914 | 4,470,763                     | 39,408                   | \$8.81           | 1921 | 4,567,179                     | 91,589                   | \$20.10          | 1921 | 4,567,179                     | 91,589                   | \$20.10          |
| 1915 | 5,228,658                     | 45,786                   | 8.76             | 1922 | 5,548,842                     | 89,800                   | 16.20            | 1922 | 5,548,842                     | 89,800                   | 16.20            |
| 1916 | 5,480,073                     | 60,815                   | 11.10            | 1923 | 5,872,876                     | 95,302                   | 16.23            | 1923 | 5,872,876                     | 95,302                   | 16.23            |
| 1917 | 5,256,794                     | 73,167                   | 13.93            | 1924 | 5,764,082                     | 92,672                   | 16.07            | 1924 | 5,764,082                     | 92,672                   | 16.07            |
| 1918 | 5,447,832                     | 87,386                   | 15.95            | 1925 | 6,063,821                     | 94,340                   | 15.48            | 1925 | 6,063,821                     | 94,340                   | 15.48            |
| 1919 | 6,114,072                     | 116,496                  | 19.03            | 1926 | 6,760,007                     | 101,226                  | 14.95            | 1926 | 6,760,007                     | 101,226                  | 14.95            |

| KIND OF WOOD               | Total consumption (cords) |           |           |           | Consumption by processes, 1926 (cords) |           |         |          | Avg. cost per cord, 1926 |
|----------------------------|---------------------------|-----------|-----------|-----------|--|-----------|---------|----------|--------------------------|
|                            | 1909                      | 1919      | 1925      | 1926      | Mechanical                             | Sulphite  | Soda    | Sulphate |                          |
| Total                      | 4,001,607                 | 5,477,832 | 6,093,891 | 6,766,007 | 1,735,853                              | 3,143,811 | 900,800 | 985,743  | 14.96                    |
| Spruce                     |                           |           |           |           |  |           |         |          |                          |
| Domestic                   | 1,663,249                 | 2,313,419 | 2,353,219 | 2,415,8   | 1,074,462                              | 1,293,664 |         | 47,744   | 17.38                    |
| Imported                   | 768,332                   | 873,795   | 618,143   | 1,013,1   | 396,684                                | 557,747   | 40,180  | 18,344   | 19.96                    |
| Hemlock                    |                           |           |           |           |  |           |         |          |                          |
| Domestic                   | 559,667                   | 795,154   | 1,013,109 | 1,004,661 | 92,953                                 | 858,808   |         | 112,900  | 11.79                    |
| Imported                   |                           |           | 21,765    | 10,702    | 6,834                                  | 3,836     |         |          | 12.68                    |
| Yellow pine                | 90,885                    | 234,463   | 531,157   | 684,816   | 8,024                                  | 21,929    | 104,197 | 860,606  | 8.53                     |
| Poplar                     |                           |           |           |           |  |           |         |          |                          |
| Domestic                   | 302,876                   | 180,160   | 206,982   | 212,178   | 12,442                                 | 7,734     | 187,197 | 4,805    | 14.09                    |
| Imported                   | 25,622                    | 155,220   | 195,038   | 210,133   | 9                                      | 711       | 209,413 |          | 16.44                    |
| Balsam fir                 |                           |           |           |           |  |           |         |          |                          |
| Domestic                   | 95,306                    | 206,814   | 214,600   | 254,614   | 66,987                                 | 134,663   |         | 52,944   | 14.43                    |
| Imported                   |                           |           | 52,500    | 42,500    | 23,212                                 | 19,288    |         |          | 20.94                    |
| Yellow poplar              | (1)                       | 72,005    | 145,871   | 134,747   | 450                                    |           | 134,297 |          | 13.03                    |
| Jack pine                  | (4)                       | 51,831    | 102,040   | 137,494   | 11,026                                 |           |         | 120,468  | 10.75                    |
| White fir                  | 37,176                    | 31,138    | 84,307    | 76,421    | 23,009                                 | 53,412    |         |          | 9.76                     |
| Tamarack or larch          | (1)                       | 44,042    | 79,585    | 94,695    |  | 18,367    |         | 76,328   | 11.45                    |
| Gum                        | (2)                       | 70,355    | 47,386    | 49,801    | 102                                    |           | 49,000  |          | 14.21                    |
| All other                  | 219,467                   | 220,005   | 177,976   | 183,583   | 2,651                                  | 7,081     | 173,617 | 204      | 11.87                    |
| Slabs and other mill waste | 248,977                   | 175,081   | 156,246   | 180,667   | 6,408                                  | 166,519   | 2,200   | 5,340    | 6.52                     |

<sup>1</sup> Included in domestic poplar.

<sup>2</sup> Included in yellow pine.

<sup>3</sup> Included in "All other."

## No. 670.—WOOD PULP PRODUCTION: TOTAL AND BY STATES AND PROCESSES

(NOTE. In 1926, 1,677,326 tons of mechanical pulp were not steamed and 96,922 tons steamed; of the chemical pulp (sulphite, soda, and sulphate) 1,407,717 tons were unbleached and 1,167,338 were bleached)

| Year              | Tons      | Year              | Tons      | Year              | Tons      | Year              | Tons      |
|-------------------|-----------|-------------------|-----------|-------------------|-----------|-------------------|-----------|
| 1899              | 1,179,525 | 1917              | 3,509,939 | 1921 <sup>1</sup> | 2,875,601 | 1925 <sup>1</sup> | 3,962,217 |
| 1904              | 1,921,768 | 1918              | 3,313,801 | 1922              | 3,521,844 | 1926 <sup>1</sup> | 4,394,766 |
| 1909              | 2,493,523 | 1919 <sup>1</sup> | 3,517,952 | 1923 <sup>1</sup> | 3,789,672 |                   |           |
| 1914 <sup>1</sup> | 2,893,150 | 1920              | 3,621,704 | 1924              | 3,723,266 |                   |           |

|                       | 1909 <sup>1</sup> | 1919      | 1921      | 1923      | 1924      | 1925      | 1926 <sup>1</sup> |
|-----------------------|-------------------|-----------|-----------|-----------|-----------|-----------|-------------------|
| Principal States:     |                   |           |           |           |           |           |                   |
| Maine                 | 620,708           | 916,764   | 710,320   | 901,007   | 895,451   | 917,632   | 943,790           |
| New York              | 579,534           | 811,958   | 608,869   | 780,199   | 755,156   | 770,777   | 822,131           |
| Wisconsin             |                   | 506,549   | 496,501   | 577,993   | 609,081   | 590,601   | 712,565           |
| Pennsylvania          |                   | 215,686   | 167,310   | 236,900   | 216,862   | 224,399   | 233,258           |
| New Hampshire         |                   | 232,124   | 162,797   | 188,323   | 181,863   | 217,489   | 248,600           |
| Michigan              |                   | 106,794   | 103,532   | 138,034   | 145,565   | 161,063   | 200,604           |
| Minnesota             |                   | 129,600   | 117,934   | 170,609   | 141,165   | 171,536   | 190,454           |
| Washington            |                   | 83,576    | 95,171    | 136,943   | 159,539   | 161,858   | 190,164           |
| West Virginia         |                   | 39,165    | 27,623    | 28,072    | 27,703    | 27,167    |                   |
| Vermont               |                   | 65,945    | 41,945    | 70,840    | 45,557    | 46,507    | 66,376            |
| California and Oregon |                   | 123,990   | 124,494   | 162,653   | 149,894   | 160,736   | 178,841           |
| All other             | 1,195,284         | 206,402   | 239,106   | 422,099   | 425,400   | 503,362   | 616,983           |
| Processes             |                   |           |           |           |           |           |                   |
| Mechanical            | 1,179,266         | 1,618,820 | 1,267,287 | 1,580,553 | 1,643,283 | 1,612,019 | 1,764,348         |
| Sulphite              | 1,017,631         | 1,418,829 | 1,166,926 | 1,448,690 | 1,336,551 | 1,403,086 | 1,558,173         |
| Soda                  | 206,626           | 411,603   | 360,533   | 445,162   | 440,607   | 472,647   | 496,920           |
| Sulphate              |                   | 120,378   | 140,760   | 314,267   | 302,735   | 409,768   | 519,909           |

<sup>1</sup> Total includes screenings.

<sup>2</sup> Blank spaces indicate figures not reported separately.

Sources of Tables 669 and 670: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

## No. 671.—PAPER AND WOOD PULP: CENSUS STATISTICS OF PRODUCTION

[NOTE: The total value of products involves duplication due to the use of pulp produced by certain plants as material in other plants. Pulp made and consumed in the same plant is not included.]

|   | Quantity (thousands of short tons) |        |        | Value (thousands of dollars) |           |          |
|---|------------------------------------|--------|--------|------------------------------|-----------|----------|
|   | 1911                               | 1923   | 1925   | 1914                         | 1923      | 1925     |
| All products, total value.....                      |                                    |        |        | 332, 147                     | 907, 347  | 971, 589 |
| Total paper.....                                    | 8, 370                             | 8, 029 | 9, 182 | 291, 462                     | 512, 509  | 549, 559 |
| Standard newsprint, in rolls and sheets             | 1, 313                             | 1, 521 | 1, 563 | 52, 943                      | 110, 865  | 106, 083 |
| Hanging papers.....                                 | 97                                 | 111    | 105    | 4, 589                       | 10, 285   | 9, 504   |
| Poster, novel, tablet, lining, etc.....             | 8                                  | 53     | 84     | 491                          | 4, 960    | 7, 096   |
| Book paper.....                                     | 904                                | 1, 208 | 1, 343 | 70, 102                      | 169, 286  | 177, 292 |
| Cover paper.....                                    | 22                                 | 21     | 24     | 2, 809                       | 4, 973    | 5, 806   |
| Fine paper.....                                     | 249                                | 377    | 474    | 34, 055                      | 89, 006   | 105, 474 |
| Wrapping paper.....                                 | 682                                | 1, 027 | 1, 147 | 49, 373                      | 120, 763  | 123, 967 |
| Bag paper (all kinds).....                          | (1)                                | 124    | 124    | (1)                          | 16, 579   | 14, 617  |
| Tag board, light manila board, and pattern.....     | 1 29                               | 1 34   | 21     | 1 1, 935                     | 1 4, 190  | 3, 004   |
| Boards.....   | 1, 292                             | 2, 703 | 3, 287 | 44, 869                      | 182, 867  | 192, 942 |
| Tissue paper.....                                   | 115                                | 251    | 281    | 11, 536                      | 44, 144   | 45, 735  |
| Blotting paper.....                                 | 14                                 | 16     | 13     | 1, 458                       | 3, 776    | 2, 586   |
| Building and sheathing, felts, and roofing.....     | 1 244                              | 1 345  | 555    | 1 9, 476                     | 1 23, 529 | 44, 031  |
| All other paper.....                                | 102                                | 148    | 161    | 8, 052                       | 27, 194   | 22, 451  |
| Wood pulp, for sale or transfer to other mills..... | 912                                | 1, 063 | 913    | 31, 678                      | 65, 497   | 55, 200  |
| All other products.....                             |                                    |        |        | 8, 861                       | 29, 341   | 54, 093  |

<sup>1</sup> Not reported separately.

<sup>2</sup> Reported as "tag stock (rope, jute, and sulphite)."

<sup>3</sup> Reported as building, roofing, asbestos, etc.

<sup>4</sup> Largely paper bags and paper boxes and containers.

## No. 672.—TURPENTINE AND ROSIN PRODUCTION

| Year:         | Turpentine (gallons) |              |             | Rosin (barrels of 500 pounds) |               |            |
|---------------|----------------------|--------------|-------------|-------------------------------|---------------|------------|
|               | Total                | From gum     | From wood   | Total                         | From gum      | From wood  |
| United States |                      |              |             |                               |               |            |
| 1899.....     | 37, 733, 500         | 37, 733, 500 | (7)         | 2, 434, 933                   | 2, 434, 933   | (7)        |
| 1904.....     | 31, 129, 236         | 30, 687, 051 | 442, 185    | 1, 964, 674                   | 1, 964, 674   | (9)        |
| 1909.....     | 29, 714, 132         | 28, 998, 954 | 706, 868    | 1, 827, 760                   | 1, 827, 760   | (7)        |
| 1914.....     | 27, 645, 939         | 26, 980, 961 | 575, 557    | 1, 619, 100                   | 1, 615, 643   | 29, 022    |
| 1919.....     | 19 228, 174          | 17, 693, 841 | 1, 534, 333 | 1, 269, 717                   | 1, 138, 660   | 131, 057   |
| 1921.....     | 24, 820, 620         | 24, 378, 854 | 441, 766    | 1, 690, 971                   | 1, 661, 624   | 29, 347    |
| 1923.....     | 29, 781, 944         | 27, 174, 580 | 2, 607, 364 | 1, 990, 885                   | 1, 790, 067   | 200, 778   |
| 1924.....     | 29, 333, 450         | 26, 072, 200 | 3, 261, 250 | 2, 018, 296                   | 1, 760, 765   | 257, 531   |
| 1925.....     | 27, 261, 425         | 23, 922, 250 | 3, 339, 175 | 1, 903, 370                   | 1, 618, 866   | 284, 504   |
| 1926.....     | 29, 493, 055         | 25, 500, 000 | 3, 993, 055 | 2, 105, 480                   | 1 1, 740, 000 | 1 365, 480 |

| PRODUCTION FROM CRUDE GUM              | Turpentine (gallons) |             |             |              | Rosin (barrels of 500 pounds) |          |          |          |
|--|----------------------|-------------|-------------|--------------|-------------------------------|----------|----------|----------|
|  | 1914                 | 1919        | 1924        | 1925         | 1914                          | 1919     | 1924     | 1925     |
| Alabama.....                           | 2, 721, 777          | 2, 037, 005 | 1, 837, 200 | 1, 557, 200  | 165, 099                      | 120, 839 | 121, 255 | 102, 775 |
| Florida.....                           | 12, 363, 272         | 6, 992, 489 | 9, 155, 450 | 8, 649, 050  | 733, 772                      | 486, 432 | 604, 260 | 570, 837 |
| Georgia.....                           | 6, 228, 041          | 3, 997, 310 | 9, 932, 000 | 10, 301, 750 | 347, 931                      | 234, 690 | 655, 512 | 679, 915 |
| Mississippi.....                       | 2, 385, 054          | 1, 749, 812 |             |              | 154, 115                      | 115, 964 |          |          |
| Louisiana.....                         | 2, 252, 118          | 1, 885, 231 | 4, 697, 550 | 2, 914, 250  | 150, 793                      | 112, 900 | 310, 039 | 192, 339 |
| Texas.....                             | 647, 160             | 906, 404    |             |              | 41, 639                       | 60, 179  |          |          |
| North Carolina and South Carolina..... | 383, 590             | 125, 590    | 450, 000    | 500, 000     | 22, 294                       | 7, 636   | 29, 700  | 33, 000  |

<sup>1</sup> The figures showing the productions of turpentine and rosin from crude gum beginning with 1919 and from wood beginning with 1925 refer to the crop year ended Mar. 31 of the year following. All other figures relate to calendar years.

<sup>2</sup> Not reported.

<sup>3</sup> Estimated Savannah Naval Stores Review, and Bureau of Chemistry, Department of Agriculture.

<sup>4</sup> Compiled by J. E. Lockwood, Hercules Powder Co., and Bureau of Chemistry, Department of Agriculture.

Sources of Tables 671 and 672: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.





### 30.—FISHERIES

#### No. 673.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS

##### NEW ENGLAND STATES

| Calendar year | Total        |               | Maine        |               | New Hampshire |               |
|---------------|--------------|---------------|--------------|---------------|---------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds  | 1,000 dollars |
| 1880          | (1)          | 12,503 0      | (1)          | 2,712 6       | (1)           | 170 0         |
| 1887          | 530,214      | 9,913 0       | 131,350      | 2,361 9       | 4,255         | 99 5          |
| 1888          | 572,904      | 9,850 0       | 132,020      | 2,292 0       | 3,843         | 90 0          |
| 1889          | 653,170      | 10,550 6      | 129,560      | 2,111 2       | 4,353         | 88 5          |
| 1890          | 393,453      | 9,482 3       | 123,405      | 2,654 9       | 3,021         | 49 0          |
| 1902          | 534,075      | 12,406 3      | 242,300      | 2,918 8       | 1,593         | 80 0          |
| 1905          | 480,284      | 14,184 2      | 124,734      | 2,386 4       | 1,035         | 51 0          |
| 1908          | 530,009      | 15,139 0      | 173,843      | 3,257 0       | 677           | 53 0          |
| 1909          | 467,340      | 19,635 7      | 147,956      | 3,589 0       | 529           | 92 7          |
| 1924          | 406,622      | 18,618 1      | 116,707      | 4,137 0       | 447           | 86 0          |

| Calendar year | Massachusetts |               | Rhode Island |               | Connecticut  |               |
|---------------|---------------|---------------|--------------|---------------|--------------|---------------|
|               | 1,000 pounds  | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars |
| 1880          | (1)           | 7,959 5       | (1)          | 600 8         | (1)          | 943 2         |
| 1887          | 299,544       | 6,464 4       | 45,265       | 683 5         | 39,730       | 300 7         |
| 1888          | 302,046       | 6,355 5       | 91,687       | 825 1         | 42,402       | 297 3         |
| 1889          | 299,218       | 6,558 3       | 127,365      | 935 1         | 92,672       | 1,557 5       |
| 1890          | 202,254       | 4,463 7       | 32,854       | 955 1         | 31,920       | 1,550 6       |
| 1902          | 230,646       | 6,482 4       | 71,614       | 1,155 7       | 37,832       | 1,799 4       |
| 1905          | 253,651       | 7,025 2       | 23,696       | 1,546 7       | 74,973       | 3,173 9       |
| 1908          | 244,313       | 7,095 0       | 44,254       | 1,752 0       | 66,942       | 2,982 0       |
| 1909          | 246,951       | 10,559 7      | 48,251       | 3,296 6       | 23,653       | 1,700 6       |
| 1924          | 243,363       | 10,799 6      | 20,535       | 1,818 9       | 25,770       | 2,006 7       |

##### MIDDLE ATLANTIC STATES

| Calendar year | Total        |               | New York     |               | New Jersey   |               | Pennsylvania |               | Delaware     |               |
|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars |
| 1880          | 408,203      | 8,480 1       | 329,453      | 4,225 7       | 65,151       | 3,176 6       | 1,680        | 89 1          | 11,916       | 997 7         |
| 1888          | 273,909      | 8,100 0       | 189,096      | 3,347 9       | 61,116       | 4,196 6       | 12,901       | 344 0         | 10,226       | 209 6         |
| 1891          | 299,104      | 8,645 1       | 192,471      | 4,602 2       | 88,730       | 3,447 4       | 7,849        | 328 2         | 10,054       | 267 3         |
| 1901          | 265,263      | 8,914 9       | 170,685      | 4,817 4       | 79,116       | 3,520 1       | 7,564        | 322 0         | 7,698        | 255 4         |
| 1902          | (1)          | (1)           | (1)          | (1)           | 73,267       | 3,646 4       | 6,325        | 284 0         | 7,196        | 250 9         |
| 1907          | 227,590      | 7,627 7       | 109,556      | 3,891 6       | 103,783      | 3,614 4       | 5,604        | 269 5         | 8,648        | 252 1         |
| 1908          | (1)          | (1)           | 210,497      | 3,545 2       | 90,297       | 3,563 8       | (1)          | (1)           | (1)          | (1)           |
| 1909          | 357,868      | 9,104 7       | 228,692      | 3,894 3       | 117,931      | 4,755 5       | 6,030        | 251 5         | 5,835        | 203 4         |
| 1924          | 375,412      | 10,043 1      | 277,650      | 6,230 6       | 90,108       | 3,385 4       | 2,046        | 167 5         | 5,608        | 259 6         |
| 1908          | 221,450      | 8,280 0       | 71,474       | 4,390 0       | 74,827       | 3,069 0       | 4,380        | 280 0         | 79,769       | 541 0         |
| 1921          | 332,932      | 11,687 4      | 210,377      | 4,966 9       | 96,937       | 5,983 4       | 505          | 44 6          | 25,023       | 752 4         |
| 1926          | 168,012      | 12,456 3      | 60,721       | 5,126 7       | 73,299       | 6,254 3       | 735          | 43 2          | 33,258       | 1,080 0       |

##### CHESAPEAKE BAY STATES

| Calendar year | Total        |               | Maryland     |               | Virginia     |               |
|---------------|--------------|---------------|--------------|---------------|--------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars |
| 1880          | 254,867      | 8,346 2       | 95,713       | 5,221 7       | 158,875      | 3,124 4       |
| 1908          | 216,107      | 5,649 4       | 114,786      | 3,613 2       | 101,319      | 1,836 2       |
| 1909          | 329,184      | 9,655 5       | 143,906      | 6,019 2       | 185,283      | 3,636 4       |
| 1901          | 325,172      | 10,108 6      | 141,178      | 6,460 8       | 183,994      | 3,647 8       |
| 1907          | 366,562      | 6,796 8       | 186,588      | 3,617 3       | 277,904      | 3,179 5       |
| 1901          | 461,159      | 8,380 8       | 82,975       | 3,767 5       | 378,163      | 4,613 4       |
| 1904          | 436,445      | 8,920 9       | 81,129       | 3,336 6       | 355,316      | 5,584 3       |
| 1908          | 426,311      | 8,022 0       | 113,796      | 3,306 0       | 312,515      | 4,716 0       |
| 1920          | 530,750      | 12,740 4      | 80,521       | 4,198 7       | 471,219      | 8,541 7       |
| 1925          | 333,206      | 13,948 1      | 66,978       | 4,863 4       | 276,228      | 9,084 6       |

<sup>1</sup> Statistics not available.

## No. 673.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS—Continued

## SOUTH ATLANTIC STATES

| Calendar year | Total        |               | North Carolina |               | South Carolina |               | Georgia      |               | Florida (west coast only) |               |
|---------------|--------------|---------------|----------------|---------------|----------------|---------------|--------------|---------------|---------------------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds   | 1,000 dollars | 1,000 pounds   | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds              | 1,000 dollars |
| 1880          | 42,952       | 1,256.8       | 32,249         | 845.7         | 6,143          | 212.3         | 2,272        | 120.0         | 2,287                     | 7.4           |
| 1887          |              |               | 45,125         | 773.0         | 4,070          | 157.7         | 1,883        | 80.7          | (1)                       | (1)           |
| 1888          |              | 1,196.9       | 43,023         | 776.4         | 4,181          | 163.7         | 1,968        | 92.9          | (1)                       | 172.0         |
| 1889          | 56,051       | 1,455.6       | 45,546         | 950.4         | 4,879          | 200.4         | 2,614        | 105.7         | 5,982                     | 192.0         |
| 1890          | 67,202       | 1,573.7       | 51,799         | 1,027.7       | 4,945          | 202.6         | 2,994        | 123.6         | 7,464                     | 210.0         |
| 1897          | 80,390       | 1,833.2       | 64,234         | 1,316.0       | 5,280          | 210.5         | 4,993        | 170.0         | 6,883                     | 130.1         |
| 1902          | 106,446      | 2,839.6       | 87,585         | 1,730.7       | 8,174          | 263.0         | 11,103       | 359.1         | 19,584                    | 47.9          |
| 1906          | 166,875      | 4,034.0       | 101,422        | 1,776.0       | 14,104         | 298.0         | 14,628       | 701.0         | 50,521                    | 1,302.0       |
| 1918          | 332,614      | 5,348.6       | 210,502        | 2,978.7       | 3,747          | 207.7         | 37,154       | 410.0         | 81,211                    | 1,740.2       |
| 1923          | 228,748      | 5,086.3       | 95,192         | 2,414.6       | 6,763          | 294.8         | 39,890       | 608.1         | 86,896                    | 1,719.9       |

## GULF STATES

| Calendar year | Total        |               | Florida (west coast only) |               | Alabama      |               |
|---------------|--------------|---------------|---------------------------|---------------|--------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds              | 1,000 dollars | 1,000 pounds | 1,000 dollars |
| 1880          | 23,561       | 1,227.5       | 8,376                     | 564.8         | 3,512        | 115.3         |
| 1888          | 54,844       | 1,993.8       | 19,597                    | 802.3         | 1,634        | 77.6          |
| 1889          | 65,396       | 2,204.9       | 23,597                    | 948.8         | 4,860        | 442.5         |
| 1890          | 69,076       | 2,438.7       | 27,419                    | 1,064.1       | 4,777        | 154.9         |
| 1897          | 65,361       | 2,271.7       | 28,255                    | 944.8         | 4,690        | 134.6         |
| 1902          | 113,697      | 3,491.2       | 48,120                    | 1,402.2       | 9,351        | 207.7         |
| 1906          | 118,274      | 4,860.0       | 37,668                    | 2,120.0       | 10,625       | 287.0         |
| 1918          | 130,024      | 6,510.3       | 84,754                    | 3,420.4       | 5,000        | 280.6         |
| 1923          | 160,324      | 8,096.7       | 73,205                    | 4,026.2       | 7,631        | 341.6         |

| Calendar year | Mississippi  |               | Louisiana    |               | Texas        |               |
|---------------|--------------|---------------|--------------|---------------|--------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars |
| 1880          | 788          | 22.5          | 6,406        | 302.6         | 1,859        | 124.3         |
| 1888          | 7,883        | 231.7         | 19,121       | 612.8         | 6,609        | 271.3         |
| 1889          | 8,933        | 250.0         | 20,947       | 621.0         | 7,358        | 297.1         |
| 1890          | 8,131        | 245.7         | 20,789       | 660.0         | 7,969        | 313.4         |
| 1897          | 7,830        | 192.8         | 17,402       | 713.6         | 7,175        | 296.6         |
| 1902          | 23,427       | 553.2         | 24,754       | 858.3         | 18,044       | 353.1         |
| 1906          | 17,302       | 459.0         | 42,302       | 1,448.0       | 10,439       | 460.0         |
| 1918          | 20,592       | 762.6         | 24,954       | 1,419.4       | 25,016       | 677.2         |
| 1923          | 25,032       | 985.7         | 34,835       | 1,961.1       | 19,660       | 782.0         |

## PACIFIC COAST STATES

| Calendar year | Total        |               | Washington   |               | Oregon       |               | California   |               |
|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars |
| 1888          | 71,683       | 2,903.1       | 23,460       | 890.9         | 25,169       | 1,010.8       | 23,313       | 1,091.4       |
| 1892          | 123,117      | 4,827.0       | 36,757       | 931.6         | 28,521       | 872.4         | 57,838       | 3,023.0       |
| 1898          | 147,231      | 4,470.0       | 59,080       | 1,401.4       | 38,142       | 1,282.0       | 50,010       | 1,740.3       |
| 1899          | 219,338      | 6,316.3       | 121,030      | 2,844.9       | 23,246       | 862.9         | 74,462       | 2,760.4       |
| 1904          | 108,000      | 6,040.0       | 68,955       | 2,072.6       | 27,335       | 1,185.1       | 52,110       | 2,523.1       |
| 1906          | 176,150      | 6,839.0       | 109,456      | 3,514.0       | 28,217       | 1,358.0       | 47,477       | 1,970.0       |
| 1915          | 296,205      | 9,300.7       | 158,983      | 5,317.1       | 34,708       | 1,495.5       | 92,513       | 2,600.1       |
| 1922          | 282,968      | 12,983.6      | 69,470       | 4,953.9       | 22,372       | 1,258.7       | 191,127      | 6,774.0       |
| 1923          | 404,949      | 19,042.1      | 111,262      | 7,800.7       | 32,883       | 3,504.4       | 260,805      | 7,737.1       |
| 1924          | 417,515      | 20,416.5      | 93,042       | 7,400.7       | 39,578       | 3,203.6       | 344,895      | 9,720.1       |
| 1925          | 624,022      | 25,510.4      | 144,714      | 10,406.3      | 40,007       | 3,442.4       | 440,301      | 11,661.7      |
| 1926          | 521,286      | 18,914.7      | 89,637       | 7,942.3       | 32,998       | 3,068.0       | 398,651      | 7,904.3       |

\* Statistics not available.

## No. 678.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS—Continued

## GREAT LAKES

| Calendar year | Total           |                  | Lake Superior   |                  | Lake Michigan   |                  | Lake Huron      |                  |
|---------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
|               | 1,000<br>pounds | 1,000<br>dollars | 1,000<br>pounds | 1,000<br>dollars | 1,000<br>pounds | 1,000<br>dollars | 1,000<br>pounds | 1,000<br>dollars |
| 1885          | 99,842          | 2,691.2          | 8,826           | 291.5            | 23,518          | 878.8            | 11,457          | 276.4            |
| 1891          | 113,899         | 2,471.8          | 8,116           | 221.0            | 28,434          | 830.5            | 19,056          | 221.1            |
| 1893          | 96,620          | 2,270.6          | 8,097           | 252.1            | 30,748          | 829.6            | 12,084          | 306.4            |
| 1899          | 113,727         | 2,611.4          | 5,430           | 150.9            | 34,500          | 876.7            | 12,418          | 308.1            |
| 1903          | 86,195          | 2,745.5          | 13,205          | 343.7            | 33,579          | 1,000.6          | 14,455          | 450.3            |
| 1905          | 106,631         | 3,768.0          | 10,196          | 342.0            | 40,019          | 1,554.0          | 12,922          | 486.0            |
| 1917          | 103,759         | 6,298.0          | 15,447          | 726.7            | 35,461          | 2,270.9          | 13,363          | 857.5            |
| 1922          | 108,732         | 6,689.6          | 10,988          | 484.3            | 26,128          | 2,133.8          | 13,942          | 945.3            |

| Calendar year | Lake Erie       |                  | Lake Ontario    |                  | Lake St. Clair, St. Clair and Detroit Rivers <sup>1</sup> |                  |
|---------------|-----------------|------------------|-----------------|------------------|---|------------------|
|               | 1,000<br>pounds | 1,000<br>dollars | 1,000<br>pounds | 1,000<br>dollars | 1,000<br>pounds   | 1,000<br>dollars |
| 1885          | 51,457          | 1,169.1          | 2,398           | 96.9             | 2,186   | 40.2             |
| 1891          | 64,551          | 1,000.9          | 3,446           | 121.8            | 2,993   | 73.6             |
| 1893          | 42,968          | 806.0            | 928             | 31.5             | 1,814   | 46.0             |
| 1899          | 58,394          | 1,150.9          | 2,406           | 101.0            | 579   | 23.9             |
| 1903          | 23,159          | 760.0            | 1,245           | 59.4             | 522   | 21.6             |
| 1905          | 41,922          | 1,250.0          | 823             | 74.0             | 737   | 32.0             |
| 1917          | 38,300          | 2,330.2          | 1,034           | 100.9            | 133   | 11.9             |
| 1922          | 56,338          | 2,977.1          | 1,026           | 131.8            | 310   | 17.4             |

MISSISSIPPI RIVER AND TRIBUTARIES<sup>2</sup>

| Calendar year | Total           |                  | Arkansas River  |                  | Atchafalaya River <sup>3</sup> |                  | Cumberland River |                  | Illinois River <sup>4</sup> |                  |
|---------------|-----------------|------------------|-----------------|------------------|--------------------------------|------------------|------------------|------------------|-----------------------------|------------------|
|               | 1,000<br>pounds | 1,000<br>dollars | 1,000<br>pounds | 1,000<br>dollars | 1,000<br>pounds                | 1,000<br>dollars | 1,000<br>pounds  | 1,000<br>dollars | 1,000<br>pounds             | 1,000<br>dollars |
| 1894          | 44,545          | 1,384.6          | 593             | 22.6             | 4,568                          | 126.6            | 194              | 10.0             | 6,291                       | 174.3            |
| 1899          | 96,797          | 1,781.0          | 451             | 13.2             |                                |                  | 245              | 16.7             | 14,581                      | 386.3            |
| 1903          | 93,374          | 1,841.2          | 491             | 19.8             |                                |                  | 81               | 7.6              | 14,770                      | 286.2            |
| 1922          | 105,734         | 4,503.5          | 2,034           | 136.3            | 4,679                          | 254.7            | 728              | 14.7             | 12,661                      | 617.8            |

| Calendar year | Mississippi River <sup>5</sup> |                  | Missouri River <sup>6</sup> |                  | Ohio River <sup>6</sup> |                  | Red River <sup>6</sup> |                  | St. Francis River <sup>6</sup> |                  |
|---------------|--------------------------------|------------------|-----------------------------|------------------|-------------------------|------------------|------------------------|------------------|--------------------------------|------------------|
|               | 1,000<br>pounds                | 1,000<br>dollars | 1,000<br>pounds             | 1,000<br>dollars | 1,000<br>pounds         | 1,000<br>dollars | 1,000<br>pounds        | 1,000<br>dollars | 1,000<br>pounds                | 1,000<br>dollars |
| 1894          | 21,242                         | 587.8            | 1,770                       | 74.4             | 4,509                   | 184.9            | 1,220                  | 35.3             | 1,625                          | 40.4             |
| 1899          | 68,604                         | 823.0            | 1,705                       | 78.5             | 2,553                   | 140.9            | 989                    | 28.0             | 3,821                          | 134.9            |
| 1903          | 53,851                         | 1,157.4          | 1,498                       | 60.4             | 1,469                   | 77.1             | 699                    | 27.4             | 495                            | 19.1             |
| 1922          | 33,945                         | 1,645.3          | 1,232                       | 105.2            | 7,458                   | 379.1            | 6,677                  | 324.5            | 2,624                          | 108.9            |

| Calendar year | Tennessee River <sup>7</sup> |                  | Wabash River <sup>8</sup> |                  | White River (Mo. and Ark.) <sup>8</sup> |                  | Yazoo River     |                  |
|---------------|------------------------------|------------------|---------------------------|------------------|---|------------------|-----------------|------------------|
|               | 1,000<br>pounds              | 1,000<br>dollars | 1,000<br>pounds           | 1,000<br>dollars | 1,000<br>pounds                         | 1,000<br>dollars | 1,000<br>pounds | 1,000<br>dollars |
| 1891          | 790                          | 42.9             | 966                       | 57.4             | 656                                     | 25.3             | 162             | 2.5              |
| 1899          | 1,256                        | 63.0             | 345                       | 27.7             | 1,014                                   | 49.7             | 1,235           | 19.2             |
| 1903          | 420                          | 22.8             | 315                       | 14.0             | 18,857                                  | 117.5            | 436             | 11.9             |
| 1922          | 4,990                        | 96.3             | 12,063                    | 357.8            | 14,662                                  | 405.9            | 1,022           | 55.6             |

<sup>1</sup> The decline in the fisheries of these waters is due largely to legal restrictions.<sup>2</sup> The fishery products of the Mississippi River and tributaries in 1908, as given in the report of the Bureau of the Census, "Fisheries of the United States, 1908," amounted to 148,284,000 pounds, valued at \$3,125,000.<sup>3</sup> Not included with statistics of the Mississippi River and tributaries prior to 1922. Statistics for 1894 were obtained in connection with a canvass of interior waters for that year.<sup>4</sup> Including tributaries.<sup>5</sup> Including minor tributaries.

Sources. 1908, Bureau of the Census; other years, Bureau of Fisheries, Department of Commerce.

### No. 674.—SUMMARY OF THE FISHERIES OF THE UNITED STATES AND ALASKA

| Section  | Fisher-<br>men | Fish-<br>ing<br>vessels | Fish-<br>ing<br>boats | Per-<br>sons on<br>trans-<br>porters | Trans-<br>porting<br>vessels | Products         |                  |
|--|----------------|-------------------------|-----------------------|--------------------------------------|------------------------------|------------------|------------------|
|  |                |                         |                       |                                      |                              | Quantity         | Value            |
|  | Number         | Number                  | Number                | Number                               | Number                       | 1,000<br>pounds  | 1,000<br>dollars |
| <b>Total, various years.....</b>               | <b>118,611</b> | <b>4,043</b>            | <b>77,368</b>         | <b>4,311</b>                         | <b>1,763</b>                 | <b>2,501,660</b> | <b>103,364</b>   |
| New England States (1924).....                 | 15,007         | 615                     | 10,022                | 278                                  | 162                          | 406,822          | 18,818           |
| Middle Atlantic States (1920).....             | 9,971          | 617                     | 4,504                 | 80                                   | 63                           | 168,012          | 12,456           |
| Chesapeake Bay States (1925).....              | 24,793         | 574                     | 16,895                | 965                                  | 523                          | 333,206          | 13,943           |
| South Atlantic States (1923).....              | 10,094         | 177                     | 5,934                 | 180                                  | 103                          | 228,748          | 5,087            |
| Gulf States (1923).....                        | 10,518         | 349                     | 6,809                 | 339                                  | 143                          | 160,324          | 8,097            |
| Pacific Coast States (1926) <sup>1</sup> ..... | 18,597         | 703                     | 7,129                 | 475                                  | 172                          | 521,266          | 19,915           |
| Mississippi River States (1922).....           | 12,310         | .....                   | 15,538                | 30                                   | 13                           | 105,734          | 4,504            |
| Great Lakes States (1922).....                 | 6,134          | 504                     | 3,661                 | 160                                  | 102                          | 108,732          | 6,660            |
| Lake of the Woods and Rainy Lake (1922).....   | 99             | .....                   | 95                    | 2                                    | 1                            | 1,678            | 116              |
| Alaska (1927).....                             | 11,030         | 504                     | 6,781                 | 1,773                                | 481                          | 467,117          | 14,729           |

<sup>1</sup> Transporters and persons on transporters are for 1922.

Source. Bureau of Fisheries, Department of Commerce.

### No. 675.—FISHERY PRODUCTS LANDED AT SEATTLE, WASH., BY AMERICAN FISHING AND COLLECTING VESSELS

| Species   | Quantity in thousands of pounds |               |               |               | Value in dollars |                  |                  |                  |
|---|---------------------------------|---------------|---------------|---------------|------------------|------------------|------------------|------------------|
|   | 1924                            | 1925          | 1926          | 1927          | 1924             | 1925             | 1926             | 1927             |
| <b>Grand total.....</b>                               | <b>28,233</b>                   | <b>30,394</b> | <b>28,418</b> | <b>31,615</b> | <b>2,719,223</b> | <b>2,966,817</b> | <b>2,860,761</b> | <b>3,260,721</b> |
| <b>Landed by fishing vessels, total.....</b>          | <b>10,066</b>                   | <b>12,987</b> | <b>13,372</b> | <b>15,733</b> | <b>1,329,957</b> | <b>1,594,298</b> | <b>1,690,677</b> | <b>2,009,404</b> |
| Haddock.....  | 7,363                           | 9,085         | 10,051        | 11,795        | 1,197,229        | 1,403,167        | 1,738,015        | 1,789,815        |
| Sablefish.....  | 2,630                           | 2,340         | 2,083         | 2,426         | 110,971          | 100,499          | 107,673          | 159,309          |
| Langcod.....  | 466                             | 692           | 821           | 973           | 14,403           | 21,343           | 33,350           | 40,284           |
| Rockfishes.....                                       | 207                             | 280           | 399           | 531           | 7,354            | 9,289            | 16,720           | 22,636           |
| Sturgeon.....   | .....                           | .....         | 18            | 8             | .....            | .....            | 913              | 450              |
| <b>Landed by collecting ves-<br/>sels, total.....</b> | <b>18,167</b>                   | <b>17,398</b> | <b>15,047</b> | <b>15,782</b> | <b>1,389,266</b> | <b>1,361,519</b> | <b>1,702,084</b> | <b>1,251,317</b> |
| Sturgeon.....   | 23                              | 10            | 10            | 9             | 2,198            | 1,694            | 1,852            | 5,100            |
| Herring.....  | 317                             | 589           | 761           | 704           | 2,871            | 3,965            | 4,585            | 4,315            |
| Salmon.....   | .....                           | .....         | .....         | .....         | .....            | .....            | .....            | .....            |
| Humpback or pink.....                                 | 60                              | 96            | 47            | 646           | 2,536            | 3,508            | 1,022            | 29,640           |
| Chum or keta.....                                     | 1,725                           | 1,909         | 2,099         | 2,361         | 64,433           | 72,790           | 82,326           | 101,340          |
| King or spring.....                                   | 8,999                           | 8,338         | 10,631        | 7,680         | 913,561          | 836,200          | 1,203,100        | 776,480          |
| Coho or silver.....                                   | 5,391                           | 4,895         | 4,106         | 3,009         | 299,093          | 341,890          | 317,509          | 241,920          |
| Sockeye or red.....                                   | 118                             | 94            | 97            | 94            | 10,470           | 9,360            | 9,650            | 9,400            |
| Trout, steelhead.....                                 | 89                              | 54            | 110           | 117           | 8,866            | 4,575            | 11,040           | 11,280           |
| Suelt.....  | 319                             | 202           | 160           | 202           | 24,622           | 18,020           | 16,870           | 22,540           |
| Percn.....  | 70                              | 91            | 80            | 76            | 4,902            | 6,494            | 5,046            | 4,525            |
| Rockfishes.....                                       | 129                             | 96            | 88            | 91            | 8,044            | 4,840            | 5,010            | 6,305            |
| Langcod.....  | 51                              | 106           | 48            | 50            | 1,678            | 4,852            | 1,840            | 1,644            |
| Flounders.....  | 96                              | 77            | 82            | 71            | 1,921            | 1,973            | 1,642            | 1,460            |
| Sole.....   | 245                             | 297           | 281           | 371           | 9,600            | 13,170           | 11,316           | 14,400           |
| Crabs.....  | 506                             | 545           | 417           | 301           | 34,490           | 38,188           | 29,245           | 20,500           |

Source. Bureau of Fisheries, Department of Commerce.

**No. 676.—FISHERIES: PRODUCTS LANDED AT BOSTON AND GLOUCESTER, MASS., AND PORTLAND, ME., BY FISHING VESSELS**

| Port and calendar year          | Total, all species | Cod       | Had-dock  | Hake    | Pol-lock | Cusk    | Hali-but | Mack-erel | Miscel-laneous |
|---------------------------------|--------------------|-----------|-----------|---------|----------|---------|----------|-----------|----------------|
| Quantity in thousands of pounds |                    |           |           |         |          |         |          |           |                |
| <b>All three ports:</b>         |                    |           |           |         |          |         |          |           |                |
| 1915                            | 171,596            | 45,056    | 57,944    | 14,890  | 13,196   | 6,331   | 3,871    | 10,918    | 19,390         |
| 1918                            | 205,501            | 71,824    | 66,672    | 5,281   | 26,561   | 2,658   | 1,781    | 10,158    | 20,566         |
| 1919                            | 196,481            | 65,374    | 82,716    | 4,339   | 18,752   | 2,063   | 2,115    | 5,713     | 15,408         |
| 1920                            | 178,281            | 62,266    | 75,279    | 4,721   | 8,561    | 1,855   | 3,789    | 7,294     | 14,516         |
| 1921                            | 150,865            | 53,515    | 67,413    | 4,536   | 6,945    | 2,098   | 5,666    | 3,384     | 7,308          |
| 1922                            | 159,875            | 55,180    | 70,196    | 5,374   | 5,097    | 2,247   | 5,624    | 4,727     | 11,430         |
| 1923                            | 174,941            | 62,655    | 73,762    | 6,338   | 4,804    | 2,998   | 4,875    | 11,565    | 7,946          |
| 1924                            | 182,948            | 61,449    | 79,902    | 7,285   | 5,085    | 3,406   | 4,422    | 9,758     | 11,643         |
| 1925                            | 216,869            | 67,250    | 91,886    | 5,806   | 5,290    | 3,713   | 3,561    | 26,210    | 13,153         |
| 1926                            | 238,426            | 78,219    | 94,061    | 5,505   | 6,740    | 2,728   | 3,431    | 36,233    | 11,511         |
| 1927                            | 263,850            | 63,355    | 128,593   | 5,862   | 7,663    | 2,727   | 4,779    | 31,530    | 19,341         |
| <b>Boston:</b>                  |                    |           |           |         |          |         |          |           |                |
| 1923                            | 124,215            | 38,042    | 60,543    | 4,501   | 3,077    | 1,540   | 3,560    | 6,768     | 6,184          |
| 1924                            | 130,966            | 36,046    | 68,142    | 5,700   | 2,145    | 1,861   | 3,935    | 6,319     | 6,820          |
| 1925                            | 149,038            | 36,215    | 74,281    | 4,646   | 2,760    | 1,899   | 2,838    | 18,387    | 8,013          |
| 1926                            | 167,318            | 41,101    | 81,863    | 4,674   | 3,104    | 1,432   | 2,967    | 23,489    | 8,688          |
| 1927                            | 194,941            | 40,310    | 109,860   | 4,779   | 3,202    | 1,680   | 4,320    | 20,444    | 10,346         |
| <b>Gloucester:</b>              |                    |           |           |         |          |         |          |           |                |
| 1923                            | 35,030             | 19,868    | 7,854     | 588     | 1,159    | 328     | 108      | 3,809     | 1,315          |
| 1924                            | 35,846             | 21,035    | 5,142     | 271     | 2,301    | 747     | 11       | 2,941     | 3,398          |
| 1925                            | 49,472             | 26,629    | 9,581     | 320     | 1,823    | 729     | 111      | 7,026     | 3,252          |
| 1926                            | 54,901             | 32,863    | 6,150     | 192     | 2,859    | 466     | 15       | 10,791    | 1,566          |
| 1927                            | 52,552             | 20,249    | 11,313    | 228     | 3,646    | 356     | 43       | 10,554    | 6,163          |
| <b>Portland:</b>                |                    |           |           |         |          |         |          |           |                |
| 1923                            | 15,697             | 4,745     | 5,365     | 1,248   | 569      | 1,131   | 1,206    | 968       | 445            |
| 1924                            | 16,136             | 4,368     | 6,617     | 1,314   | 640      | 798     | 476      | 498       | 1,425          |
| 1925                            | 18,359             | 4,406     | 8,024     | 840     | 708      | 1,084   | 612      | 797       | 1,888          |
| 1926                            | 16,208             | 4,254     | 6,048     | 639     | 777      | 829     | 449      | 1,953     | 1,258          |
| 1927                            | 16,357             | 2,796     | 7,420     | 855     | 815      | 691     | 416      | 532       | 2,832          |
| Value in dollars                |                    |           |           |         |          |         |          |           |                |
| <b>All three ports:</b>         |                    |           |           |         |          |         |          |           |                |
| 1915                            | 4,737,917          | 1,272,960 | 1,307,813 | 282,477 | 253,258  | 98,350  | 323,296  | 614,079   | 585,684        |
| 1918                            | 10,531,548         | 3,617,205 | 3,199,276 | 273,085 | 962,085  | 103,031 | 302,280  | 1,188,924 | 885,662        |
| 1919                            | 7,548,383          | 2,583,181 | 2,793,938 | 181,053 | 380,515  | 62,169  | 387,191  | 547,242   | 613,094        |
| 1920                            | 8,227,013          | 2,637,637 | 2,740,062 | 153,876 | 262,128  | 48,070  | 741,821  | 763,094   | 880,335        |
| 1921                            | 5,722,629          | 1,730,767 | 2,046,170 | 109,603 | 164,642  | 37,829  | 803,074  | 335,626   | 494,918        |
| 1922                            | 5,465,932          | 1,635,279 | 1,809,400 | 111,331 | 118,006  | 34,552  | 784,057  | 276,499   | 696,808        |
| 1923                            | 7,051,154          | 2,184,141 | 2,423,177 | 142,367 | 152,189  | 61,728  | 922,654  | 487,637   | 677,261        |
| 1924                            | 6,992,952          | 2,138,306 | 2,308,605 | 186,101 | 159,438  | 68,114  | 789,609  | 541,784   | 800,905        |
| 1925                            | 8,115,570          | 2,321,238 | 2,747,741 | 173,666 | 147,582  | 84,597  | 655,172  | 1,191,152 | 794,422        |
| 1926                            | 9,057,674          | 2,647,479 | 3,082,924 | 146,242 | 153,685  | 69,583  | 671,150  | 1,406,485 | 880,126        |
| 1927                            | 9,404,511          | 2,146,503 | 3,531,713 | 156,545 | 171,849  | 71,374  | 839,945  | 1,295,547 | 1,191,036      |
| <b>Boston:</b>                  |                    |           |           |         |          |         |          |           |                |
| 1923                            | 5,433,731          | 1,446,683 | 2,142,882 | 98,087  | 104,125  | 32,098  | 679,259  | 329,208   | 601,389        |
| 1924                            | 5,401,590          | 1,399,161 | 2,037,661 | 148,491 | 84,287   | 38,443  | 711,946  | 347,916   | 633,685        |
| 1925                            | 6,104,278          | 1,436,774 | 2,378,410 | 145,885 | 91,363   | 47,184  | 535,435  | 858,972   | 610,255        |
| 1926                            | 7,002,602          | 1,615,936 | 2,828,289 | 125,457 | 85,773   | 38,657  | 584,702  | 973,105   | 750,683        |
| 1927                            | 7,371,542          | 1,458,930 | 3,149,069 | 131,285 | 86,112   | 44,905  | 764,079  | 863,185   | 873,977        |
| <b>Gloucester:</b>              |                    |           |           |         |          |         |          |           |                |
| 1923                            | 910,739            | 569,421   | 100,003   | 9,031   | 36,156   | 4,288   | 22,221   | 124,258   | 45,361         |
| 1924                            | 1,041,476          | 584,651   | 89,702    | 5,144   | 60,854   | 12,318  | 1,012    | 171,487   | 116,308        |
| 1925                            | 1,390,580          | 747,742   | 147,759   | 5,198   | 42,924   | 10,812  | 11,331   | 305,195   | 119,619        |
| 1926                            | 1,479,312          | 897,518   | 83,499    | 2,833   | 54,293   | 6,490   | 3,178    | 374,268   | 56,873         |
| 1927                            | 1,493,935          | 574,540   | 187,969   | 3,283   | 72,258   | 4,906   | 3,492    | 416,970   | 230,497        |
| <b>Portland:</b>                |                    |           |           |         |          |         |          |           |                |
| 1923                            | 706,684            | 168,037   | 180,292   | 35,249  | 11,908   | 25,342  | 221,174  | 34,171    | 30,511         |
| 1924                            | 549,886            | 154,494   | 181,242   | 32,466  | 14,297   | 17,353  | 76,651   | 22,381    | 51,002         |
| 1925                            | 620,712            | 136,722   | 221,572   | 22,583  | 13,295   | 26,001  | 108,406  | 26,965    | 64,548         |
| 1926                            | 575,760            | 134,025   | 171,136   | 17,952  | 13,619   | 24,436  | 82,910   | 59,112    | 72,570         |
| 1927                            | 539,034            | 113,033   | 194,655   | 21,977  | 13,479   | 21,563  | 72,374   | 15,392    | 86,561         |

Source: Bureau of Fisheries, Department of Commerce.

### No. 677.—VALUE OF CANNED FISHERY PRODUCTS AND BY-PRODUCTS OF THE UNITED STATES AND ALASKA

[NOTE. Values in thousands of dollars. See also census statistics of fish canning, Tables 000 and 000]

| Product                               | 1921   | 1922   | 1923   | 1924   | 1925   | 1926   | 1927   |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Total value.....                      | 64,997 | 71,842 | 85,151 | 82,458 | 95,177 | 98,328 | 94,979 |
| Salmon.....                           | 28,867 | 34,421 | 45,534 | 42,402 | 47,370 | 55,219 | 44,720 |
| California sardines.....              | 2,340  | 3,301  | 4,608  | 5,446  | 6,381  | 7,807  | 9,390  |
| Malco and Massachusetts sardines..... | 3,961  | 5,750  | 5,289  | 7,191  | 6,717  | 4,727  | 5,240  |
| Tuna and tunalike fishes.....         | 3,086  | 4,373  | 5,915  | 5,757  | 8,400  | 5,282  | 6,308  |
| Shrimps and crabs.....                | 3,021  | 3,168  | 4,429  | 4,645  | 3,835  | 4,147  | 5,344  |
| Clams.....                            | 1,167  | 1,716  | 1,711  | 2,161  | 1,850  | 2,005  | 2,745  |
| Oysters.....                          | 2,179  | 2,424  | 2,720  | 2,478  | 3,721  | 2,027  | 2,306  |
| Miscellaneous canned products.....    | 1,039  | 1,180  | 1,110  | 2,065  | 2,204  | 1,978  | 2,308  |
| Menhaden—meal, scrap, and oil.....    | 4,006  | 6,127  | 6,411  | 3,310  | 5,623  | 3,442  | 5,660  |
| Miscellaneous by-products.....        | 4,415  | 5,372  | 6,415  | 8,083  | 8,978  | 6,601  | 8,909  |

Source: Bureau of Fisheries, Department of Commerce.

### No. 678.—CANNED SALMON OUTPUT, UNITED STATES AND ALASKA

[All figures expressed in thousands and tenths of thousands; thus, 5,264.2—5,264,200]

| Species                          | Quantity in thousands of 48-pound cases |               |            |                       |         | Value in thousands of dollars |               |            |                       |          |
|----------------------------------|---|---------------|------------|-----------------------|---------|-------------------------------|---------------|------------|-----------------------|----------|
|                                  | Grand total                             | United States |            |                       | Alaska  | Grand total                   | United States |            |                       | Alaska   |
|                                  |   | Total         | Washington | Oregon and California |         |                               | Total         | Washington | Oregon and California |          |
| <b>Total, all species:</b>       |   |               |            |                       |         |                               |               |            |                       |          |
| 1921.....                        | 5,294.9                                 | 723.2         | 441.7      | 291.6                 | 4,801.7 | 8,430.7                       | 4,632.5       | 4,836.1    | 3,319.9               | 30,787.2 |
| 1922.....                        | 6,402.6                                 | 1,267.8       | 978.8      | 391.5                 | 5,064.7 | 12,882.6                      | 7,522.4       | 8,187.1    | 5,187.8               | 32,872.6 |
| 1923.....                        | 6,263.6                                 | 968.7         | 542.0      | 416.7                 | 5,204.9 | 12,401.6                      | 9,304.5       | 8,062.1    | 4,882.4               | 32,007.1 |
| 1924.....                        | 6,018.6                                 | 1,568.6       | 1,132.5    | 426.2                 | 4,459.9 | 17,369.5                      | 15,380.0      | 10,079.5   | 5,300.4               | 31,989.5 |
| 1925.....                        | 7,488.6                                 | 835.7         | 489.6      | 346.2                 | 6,652.9 | 50,219.3                      | 10,139.2      | 5,428.3    | 4,711.0               | 40,080.0 |
| 1926.....                        | 5,076.6                                 | 1,604.5       | 1,091.0    | 413.5                 | 3,572.1 | 45,728.8                      | 15,712.5      | 10,158.2   | 5,554.2               | 30,016.3 |
| <b>Coho or silver:</b>           |   |               |            |                       |         |                               |               |            |                       |          |
| 1924.....                        | 414.7                                   | 231.1         | 117.7      | 113.4                 | 183.6   | 3,028.6                       | 1,774.1       | 906.4      | 867.7                 | 1,264.6  |
| 1925.....                        | 468.6                                   | 307.6         | 203.9      | 103.6                 | 161.0   | 4,878.8                       | 3,312.1       | 2,240.0    | 1,072.1               | 1,565.8  |
| 1926.....                        | 430.7                                   | 228.1         | 152.6      | 75.5                  | 202.5   | 3,924.1                       | 2,223.5       | 1,450.8    | 772.7                 | 1,700.6  |
| 1927.....                        | 463.6                                   | 210.5         | 136.7      | 73.8                  | 253.1   | 4,366.7                       | 2,212.7       | 1,390.2    | 822.6                 | 2,154.0  |
| <b>Chum or keta:</b>             |   |               |            |                       |         |                               |               |            |                       |          |
| 1924.....                        | 1,276.3                                 | 247.9         | 189.0      | 58.9                  | 1,028.5 | 6,004.5                       | 1,192.2       | 808.0      | 294.1                 | 4,812.3  |
| 1925.....                        | 1,212.0                                 | 123.4         | 97.2       | 36.2                  | 1,078.7 | 5,478.3                       | 641.3         | 404.5      | 176.8                 | 4,787.0  |
| 1926.....                        | 1,051.2                                 | 148.7         | 133.2      | 15.6                  | 902.4   | 5,277.6                       | 758.8         | 678.0      | 80.9                  | 4,518.9  |
| 1927.....                        | 668.1                                   | 143.4         | 88.7       | 55.7                  | 507.7   | 3,629.6                       | 852.1         | 624.3      | 327.8                 | 2,777.5  |
| <b>Humpback or pink:</b>         |   |               |            |                       |         |                               |               |            |                       |          |
| 1924.....                        | 2,614.1                                 | 12.8          | 8.8        | 4.0                   | 2,601.3 | 12,916.8                      | 79.4          | 57.6       | 21.8                  | 12,827.3 |
| 1925.....                        | 2,662.0                                 | 551.4         | 547.5      | 3.9                   | 2,110.6 | 14,299.4                      | 3,152.3       | 3,131.0    | 21.3                  | 11,137.1 |
| 1926.....                        | 3,341.0                                 | 2.6           | 2.6        | —                     | 3,338.3 | 18,007.1                      | 19.6          | 19.6       | —                     | 17,987.5 |
| 1927.....                        | 2,007.4                                 | 586.6         | 566.6      | —                     | 1,420.8 | 12,204.5                      | 3,865.8       | 3,865.8    | —                     | 8,338.7  |
| <b>King, Chinook, or spring:</b> |   |               |            |                       |         |                               |               |            |                       |          |
| 1924.....                        | 382.7                                   | 349.0         | 134.6      | 214.4                 | 33.6    | 4,806.8                       | 4,509.8       | 1,723.0    | 2,876.8               | 269.0    |
| 1925.....                        | 482.6                                   | 432.6         | 168.2      | 264.4                 | 50.0    | 6,585.1                       | 5,980.0       | 2,233.4    | 3,756.6               | 595.0    |
| 1926.....                        | 402.1                                   | 349.6         | 131.0      | 218.6                 | 52.5    | 5,825.7                       | 5,281.4       | 1,973.7    | 3,307.7               | 544.2    |
| 1927.....                        | 475.7                                   | 405.3         | 151.1      | 254.2                 | 70.4    | 5,984.0                       | 6,192.4       | 2,185.3    | 4,007.1               | 791.6    |
| <b>Red or sockeye:</b>           |   |               |            |                       |         |                               |               |            |                       |          |
| 1924.....                        | 1,533.7                                 | 84.9          | 80.6       | 4.2                   | 1,447.9 | 15,282.6                      | 1,478.7       | 1,384.8    | 93.9                  | 13,803.9 |
| 1925.....                        | 1,178.1                                 | 116.4         | 114.3      | 4.1                   | 1,059.7 | 15,970.6                      | 2,066.0       | 1,990.0    | 75.9                  | 13,904.6 |
| 1926.....                        | 2,232.8                                 | 75.7          | 62.8       | 12.9                  | 2,157.1 | 22,803.5                      | 1,474.7       | 1,214.6    | 259.1                 | 21,328.7 |
| 1927.....                        | 1,444.0                                 | 123.8         | 119.8      | 4.0                   | 1,320.2 | 18,124.9                      | 2,170.4       | 2,069.5    | 80.9                  | 15,954.5 |
| <b>Steelhead:</b>                |   |               |            |                       |         |                               |               |            |                       |          |
| 1924.....                        | 32.1                                    | 32.1          | 11.3       | 20.8                  | —       | 270.3                         | 270.3         | 92.3       | 178.1                 | —        |
| 1925.....                        | 15.3                                    | 15.3          | 1.3        | 14.0                  | —       | 217.3                         | 217.3         | 20.5       | 196.7                 | —        |
| 1926.....                        | 30.9                                    | 30.9          | 7.4        | 22.6                  | —       | 381.2                         | 381.2         | 89.6       | 291.6                 | —        |
| 1927.....                        | 32.8                                    | 32.8          | 8.1        | 24.7                  | —       | 419.1                         | 419.1         | 103.2      | 315.9                 | —        |

Source: Bureau of Fisheries, Department of Commerce.



## No. 679.—CANNED SALMON: OUTPUT AND PRICES OF ALASKA PRODUCT

| Yearly average or year | Total value of pack (dollars) | Output, equivalent in cases of forty-eight 1-pound cans |                |              |                  |                |                |
|------------------------|-------------------------------|---|----------------|--------------|------------------|----------------|----------------|
|                        |                               | Total   | Coho or silver | Chum or keta | Humpback or pink | King or spring | Red or sockeye |
| 1910-1914.....         | 14,884,736                    | 3,422,615   | 129,427        | 439,485      | 1,040,371        | 42,304         | 1,771,028      |
| 1915.....              | 18,653,015                    | 4,500,293   | 124,268        | 479,946      | 1,875,516        | 88,251         | 1,932,312      |
| 1916.....              | 23,269,429                    | 4,900,627   | 261,909        | 724,115      | 1,737,793        | 65,873         | 2,110,937      |
| 1917.....              | 46,304,090                    | 5,947,286   | 193,231        | 906,747      | 2,296,976        | 61,951         | 2,488,381      |
| 1918.....              | 51,041,949                    | 6,605,835   | 218,958        | 1,364,960    | 2,438,954        | 49,226         | 2,533,737      |
| 1919.....              | 43,265,349                    | 4,583,688   | 232,870        | 1,365,563    | 1,611,608        | 95,986         | 1,277,661      |
| 1920.....              | 35,602,800                    | 4,429,463   | 192,085        | 1,033,517    | 1,593,120        | 110,003        | 1,500,738      |
| 1921.....              | 19,632,744                    | 2,596,826   | 106,555        | 255,495      | 423,984          | 44,994         | 1,765,798      |
| 1922.....              | 29,787,193                    | 4,501,652   | 175,993        | 565,918      | 1,658,423        | 30,660         | 2,070,658      |
| 1923.....              | 32,873,007                    | 5,035,697   | 164,107        | 525,622      | 2,448,129        | 38,343         | 1,859,496      |
| 1924.....              | 33,007,135                    | 5,294,915   | 183,601        | 1,028,488    | 2,601,283        | 33,648         | 1,447,896      |
| 1925.....              | 31,989,531                    | 4,459,937   | 161,010        | 1,078,680    | 2,110,593        | 49,978         | 1,059,676      |
| 1926.....              | 40,080,004                    | 6,652,882   | 202,527        | 902,443      | 3,338,349        | 52,476         | 2,157,087      |
| 1927.....              | 30,016,264                    | 3,572,128   | 253,044        | 507,723      | 1,420,775        | 70,391         | 1,320,195      |

## AVERAGE ANNUAL PRICE IN DOLLARS PER CASE OF FORTY-EIGHT 1-POUND CANS

| Yearly average or year | Coho or silver | Chum or keta | Humpback or pink | King or spring | Red or sock-eye | Year      | Coho or silver | Chum or keta | Humpback or pink | King or spring | Red or sock-eye |
|------------------------|----------------|--------------|------------------|----------------|-----------------|-----------|----------------|--------------|------------------|----------------|-----------------|
| 1910-1914.....         | 4.55           | 2.94         | 3.14             | 5.25           | 5.44            | 1921..... | 5.63           | 3.68         | 4.21             | 10.22          | 8.96            |
| 1915.....              | 4.31           | 2.59         | 2.78             | 4.63           | 5.82            | 1922..... | 5.47           | 3.98         | 4.34             | 8.08           | 9.24            |
| 1916.....              | 5.34           | 3.34         | 3.64             | 5.36           | 6.04            | 1923..... | 5.74           | 4.65         | 4.86             | 8.56           | 9.24            |
| 1917.....              | 8.76           | 6.14         | 6.44             | 10.40          | 9.48            | 1924..... | 6.83           | 4.68         | 4.93             | 8.89           | 9.53            |
| 1918.....              | 9.15           | 6.27         | 6.58             | 9.85           | 9.44            | 1925..... | 9.72           | 4.44         | 5.28             | 11.91          | 13.12           |
| 1919.....              | 11.27          | 6.82         | 8.35             | 13.13          | 12.98           | 1926..... | 8.40           | 5.01         | 5.39             | 10.37          | 9.89            |
| 1920.....              | 9.13           | 4.19         | 5.47             | 10.97          | 13.05           | 1927..... | 8.51           | 5.47         | 5.87             | 11.25          | 12.08           |

Source: Bureau of Fisheries, Department of Commerce.

## No. 680.—ALASKA FISHERY INDUSTRIES: SUMMARY OF PRODUCTS

| Product                    | Quantity in thousands of unit specified |        |        |        |        |        | Value in thousands of dollars |        |        |        |        |
|----------------------------|---|--------|--------|--------|--------|--------|-------------------------------|--------|--------|--------|--------|
|                            | Unit                                    | 1915   | 1920   | 1925   | 1926   | 1927   | 1915                          | 1920   | 1925   | 1926   | 1927   |
| Total.....                 |   |        |        |        |        |        | 21,006                        | 41,492 | 40,039 | 54,670 | 40,163 |
| Salmon:                    |   |        |        |        |        |        |                               |        |        |        |        |
| Canned.....                | Case.....                               | 4,500  | 4,429  | 4,460  | 6,653  | 3,572  | 18,653                        | 35,603 | 31,990 | 46,080 | 30,016 |
| Fresh and frozen.....      | Pound.....                              | 3,137  | 5,165  | 5,193  | 6,044  | 5,411  | 219                           | 424    | 395    | 578    | 522    |
| Cured, all forms.....      | do.....                                 | 4,929  | 3,067  | 6,895  | 8,060  | 8,895  | 341                           | 510    | 1,297  | 1,461  | 1,782  |
| By-products.....           | do.....                                 | 1,922  | 2,071  | 1,738  | 1,875  | 1,176  | 40                            | 105    | 60     | 60     | 41     |
| Halibut, fresh and frozen. | do.....                                 | 15,718 | 15,295 | 10,972 | 14,390 | 34,491 | 812                           | 1,727  | 884    | 1,623  | 3,805  |
| Herring:                   |   |        |        |        |        |        |                               |        |        |        |        |
| Cured for food.....        | do.....                                 | 7,195  | 8,582  | 35,171 | 15,803 | 14,762 | 114                           | 542    | 2,323  | 1,582  | 1,465  |
| Bait.....                  | do.....                                 |        | 4,085  | 7,087  | 2,235  | 8,042  |                               | 41     | 39     | 25     | 84     |
| By-products.....           | do.....                                 | 2,213  | 11,186 | 34,806 | 44,951 | 29,735 | 41                            | 720    | 1,490  | 1,968  | 1,302  |
| Cod.....                   | do.....                                 | 14,196 | 12,764 | 2,854  | 1,333  | 1,292  | 390                           | 1,117  | 129    | 78     | 58     |
| Sable fish.....            | do.....                                 | 143    | 584    | 1,043  | 682    | 1,339  | 4                             | 29     | 45     | 31     | 73     |
| Trout.....                 | do.....                                 | 42     | 99     | 53     | 85     | 58     | 3                             | 14     | 6      | 10     | 7      |
| Other fish.....            | do.....                                 | 106    | 11     | 89     | 43     | 47     | 7                             |        | 4      | 3      | 2      |
| Shrimps.....               | do.....                                 |        | 112    | 520    | 490    | 492    |                               | 49     | 207    | 196    | 197    |
| Crabs.....                 | do.....                                 | 14     | 8      | 206    | 201    | 119    | 1                             | 2      | 53     | 62     | 40     |
| Clams.....                 | do.....                                 |        | 222    | 2,066  | 985    | 635    |                               | 47     | 492    | 254    | 147    |
| Whales:                    |   |        |        |        |        |        |                               |        |        |        |        |
| Oil.....                   | do.....                                 | 7,337  | 8,317  | 7,224  | 7,553  | 8,373  | 333                           | 436    | 556    | 603    | 548    |
| Fertilizer.....            | do.....                                 | 2,960  | 3,190  | 2,444  | 2,820  | 3,026  | 48                            | 120    | 57     | 70     | 71     |
| All other.....             | do.....                                 |        | 18     | 797    | 122    | 77     |                               | 6      | 12     | 6      | 3      |

Source: Bureau of Fisheries, Department of Commerce.

**No. 681.—FISH PROPAGATION: SUMMARY OF OUTPUT OF FISH EGGS, FRY, AND FINGERLINGS, BY UNITED STATES BUREAU OF FISHERIES**

[All quantities expressed in thousands]

| Year ended June 30— | Total     | Eggs      | Fry       | Finger-<br>lings | Cost per<br>million <sup>1</sup> |
|---------------------|-----------|-----------|-----------|------------------|----------------------------------|
| 1893                | 819,916   | 55,408    | 561,894   | 2,613            | \$292.64                         |
| 1900                | 1,184,327 | 68,682    | 1,070,757 | 4,808            | 270.00                           |
| 1916                | 4,288,758 | 538,280   | 3,694,282 | 58,216           | 131.55                           |
| 1917                | 5,158,963 | 318,939   | 4,757,909 | 82,115           | 114.48                           |
| 1918                | 4,096,105 | 147,048   | 3,782,092 | 168,965          | 147.98                           |
| 1919                | 5,876,985 | 1,177,871 | 4,547,340 | 151,774          | 108.47                           |
| 1920                | 4,770,356 | 630,749   | 3,872,216 | 267,396          | 132.11                           |
| 1921                | 4,962,489 | 1,109,637 | 3,626,263 | 226,590          | 128.08                           |
| 1922                | 5,125,101 | 1,068,981 | 3,716,688 | 339,432          | 139.38                           |
| 1923                | 4,314,850 | 1,463,730 | 2,596,812 | 264,316          | 163.30                           |
| 1924                | 5,361,811 | 1,237,582 | 3,863,848 | 260,381          | 113.22                           |
| 1925                | 5,301,882 | 1,060,393 | 4,114,514 | 136,964          | 125.61                           |
| 1926                | 5,232,240 | 737,135   | 4,195,939 | 399,166          | 142.50                           |
| 1927                | 6,481,073 | 1,523,458 | 4,767,113 | 190,502          | 116.36                           |

| Species                | Year ended June 30, 1926 |                |                  |                  | Year ended June 30, 1927 |                  |                  |                  |
|------------------------|--------------------------|----------------|------------------|------------------|--------------------------|------------------|------------------|------------------|
|                        | Total                    | Eggs           | Fry              | Finger-<br>lings | Total                    | Eggs             | Fry              | Finger-<br>lings |
| <b>Total</b>           | <b>5,232,240</b>         | <b>737,135</b> | <b>4,195,939</b> | <b>399,166</b>   | <b>6,481,073</b>         | <b>1,523,458</b> | <b>4,767,113</b> | <b>190,502</b>   |
| Catfish                | 32,364                   |                | 1,400            | 30,964           | 27,101                   |                  |                  | 27,101           |
| Carp                   | 91,840                   |                | 54,500           | 40,340           | 35,765                   |                  | 18,500           | 17,265           |
| Buffalo fish           | 116,573                  |                | 105,315          | 11,258           | 8,970                    |                  | 2,850            | 6,120            |
| Shad                   | 9,143                    |                | 9,143            |                  | 21,579                   |                  | 21,579           |                  |
| Glut herring           | 55,000                   |                | 55,000           |                  | 2,000                    |                  | 2,000            |                  |
| Whitefish              | 208,344                  | 8,320          | 200,024          |                  | 153,147                  | 7,087            | 146,060          |                  |
| Cisco                  | 95,080                   | 10,080         | 85,000           |                  | 113,240                  | 5,200            | 108,040          |                  |
| Silver salmon          | 9,901                    | 211            | 4,556            | 5,134            | 0,947                    | 148              | 5,154            | 1,645            |
| Chinook salmon         | 62,921                   | 11,284         | 800              | 50,837           | 40,463                   | 9,112            | 286              | 31,065           |
| Buckeye salmon         | 74,626                   | 150            | 9,795            | 64,681           | 49,074                   | 125              | 12,030           | 36,919           |
| Chum salmon            | 18,163                   |                | 18,163           |                  | 17,964                   |                  | 17,964           |                  |
| Humpback salmon        | 1,843                    |                | 1,753            | 90               | 3,574                    |                  | 3,544            | 30               |
| Steelhead salmon       | 8,487                    | 1,134          | 1,028            | 4,324            | 2,191                    | 1,240            |                  | 951              |
| Atlantic salmon        | 1,001                    | 100            | 776              | 125              | 1,429                    | 200              |                  | 1,229            |
| Landlocked salmon      | 1,086                    | 384            | 422              | 270              | 860                      | 194              | 55               | 611              |
| Rainbow trout          | 7,989                    | 2,827          | 1,541            | 3,621            | 10,030                   | 4,473            | 539              | 5,018            |
| Black spotted trout    | 14,259                   | 8,918          | 1,473            | 3,868            | 14,720                   | 6,968            |                  | 7,752            |
| Loch Leven trout       | 7,497                    | 3,894          | 616              | 2,987            | 9,525                    | 5,958            | 138              | 3,429            |
| Lake trout             | 31,816                   | 1,580          | 20,957           | 269              | 27,463                   | 1,594            | 24,976           | 928              |
| Brook trout            | 14,782                   | 874            | 2,951            | 10,937           | 14,558                   | 1,305            | 2,609            | 10,644           |
| Silver trout           | 232                      |                |                  | 232              |                          |                  |                  |                  |
| Grayling               | 4,824                    |                | 4,824            |                  | 1,800                    |                  | 1,800            |                  |
| Smelt                  |                          |                |                  |                  | 15,300                   | 11,125           | 4,175            |                  |
| Pike and pickerel      | 406                      |                |                  | 406              | 362                      |                  |                  | 362              |
| Fresh water drum       | 130                      |                |                  | 130              | 28                       |                  |                  | 28               |
| Crappie                | 26,741                   |                |                  | 26,741           | 17,518                   |                  |                  | 17,518           |
| Large mouth black bass | 2,313                    |                | 919              | 1,394            | 2,164                    |                  | 904              | 1,260            |
| Small mouth black bass | 971                      |                | 810              | 161              | 927                      |                  | 698              | 229              |
| Sunfish                | 27,748                   |                |                  | 27,748           | 15,145                   |                  |                  | 15,145           |
| Pike perch             | 213,732                  | 82,745         | 130,980          | 27               | 182,610                  | 48,100           | 134,510          |                  |
| Yellow perch           | 132,705                  | 7,500          | 122,501          | 2,704            | 207,006                  | 12,000           | 193,753          | 1,253            |
| Cod                    | 983,967                  | 429,338        | 554,629          |                  | 1,314,962                | 1,049,668        | 265,314          |                  |
| Pollock                | 428,788                  |                | 428,788          |                  | 638,749                  |                  | 638,749          |                  |
| Mackerel               | 2,067                    |                | 2,067            |                  |                          |                  |                  |                  |
| Haddock                | 145,948                  | 114,051        | 31,896           |                  | 379,281                  | 315,387          | 63,894           |                  |
| Winter flounder        | 2,388,087                | 53,736         | 2,334,322        |                  | 3,140,368                | 43,604           | 3,096,762        |                  |
| Miscellaneous fishes   | 9,851                    |                |                  | 9,851            | 4,206                    |                  | 240              | 3,966            |

<sup>1</sup> Includes all expenditures chargeable to fish culture and distribution and salaries of all employees in the fish-cultural field services and the administrative and clerical force in Washington, D. C.

Source: Reports of the Bureau of Fisheries, Department of Commerce.

## 31.—MINING AND MINERAL PRODUCTS

[Data in this section cover the following areas unless otherwise indicated: Bureau of Census and American Iron and Steel Institute statistics, continental United States; Bureau of Mines production statistics, continental United States, and, for leading products, outlying areas; foreign trade statistics, United States customs area, which includes Alaska, Hawaii, and Porto Rico. Index numbers of mineral production are shown in Table 760, p. 785]

### No. 682.—TOTAL VALUE OF MINERAL PRODUCTS OF THE UNITED STATES

[NOTE.—All figures in millions of dollars. See Table 690 for method of computation]

| Yearly average<br>or year | Total | Metal-<br>lic | Non-<br>metal-<br>lic | Un-<br>speci-<br>fied | Year      | Total | Metal-<br>lic | Non-<br>metal-<br>lic | Un-<br>speci-<br>fied |
|---------------------------|-------|---------------|-----------------------|-----------------------|-----------|-------|---------------|-----------------------|-----------------------|
| 1881-1885.....            | 426   | 191           | 229                   | 6                     | 1910..... | 1,988 | 750           | 1,238                 | (1)                   |
| 1886-1890.....            | 541   | 248           | 292                   | 1                     | 1911..... | 1,924 | 681           | 1,243                 | (1)                   |
| 1891-1895.....            | 592   | 244           | 347                   | 1                     | 1912..... | 2,238 | 862           | 1,375                 | (1)                   |
| 1896-1900.....            | 828   | 366           | 461                   | 1                     | 1913..... | 2,434 | 879           | 1,554                 | (1)                   |
| 1901-1905.....            | 1,392 | 578           | 813                   | 1                     | 1914..... | 2,111 | 687           | 1,424                 | (1)                   |
| 1906-1910.....            | 1,887 | 769           | 1,118                 | (1)                   | 1915..... | 2,395 | 992           | 1,400                 | 2                     |
| 1911-1915.....            | 2,220 | 820           | 1,399                 | 1                     | 1916..... | 3,508 | 1,621         | 1,884                 | 3                     |
| 1916-1920.....            | 5,124 | 1,796         | 3,322                 | 5                     | 1917..... | 4,992 | 2,086         | 2,900                 | 6                     |
| 1921-1925.....            | 5,155 | 1,153         | 3,998                 | 5                     | 1918..... | 5,541 | 2,153         | 3,381                 | 7                     |
| 1901.....                 | 1,155 | 493           | 661                   | 1                     | 1919..... | 4,596 | 1,360         | 3,233                 | 3                     |
| 1902.....                 | 1,329 | 606           | 722                   | 1                     | 1920..... | 6,981 | 1,762         | 5,214                 | 5                     |
| 1903.....                 | 1,495 | 589           | 906                   | 1                     | 1921..... | 4,139 | 654           | 3,482                 | 3                     |
| 1904.....                 | 1,359 | 501           | 858                   | (1)                   | 1922..... | 4,647 | 987           | 3,656                 | 4                     |
| 1905.....                 | 1,624 | 703           | 921                   | (1)                   | 1923..... | 5,987 | 1,511         | 4,472                 | 4                     |
| 1906.....                 | 1,901 | 886           | 1,015                 | (1)                   | 1924..... | 5,306 | 1,232         | 4,068                 | 6                     |
| 1907.....                 | 2,070 | 904           | 1,165                 | (1)                   | 1925..... | 5,678 | 1,380         | 4,291                 | 6                     |
| 1908.....                 | 1,592 | 551           | 1,041                 | (1)                   | 1926..... | 6,213 | 1,403         | 4,802                 | 8                     |
| 1909.....                 | 1,887 | 755           | 1,132                 | (1)                   | 1927..... | 5,520 | 1,217         | 4,294                 | 9                     |

<sup>1</sup> Less than \$500,000.

Source: Bureau of Mines, Department of Commerce.

### No. 683.—YEARLY AVERAGE PRICES OF NONFERROUS METALS

[Prices are cents per pound, except quicksilver (dollars per flask) and platinum (dollars per ounce)]

| Year           | Copper,<br>electro-<br>lytic<br>(New<br>York) | Lead<br>(New<br>York) | Tin <sup>1</sup><br>(New<br>York) | Zinc<br>(New<br>York) | Zinc<br>(St.<br>Louis) | Anti-<br>mony<br>(New<br>York) | Quick-<br>silver<br>(New<br>York) | Plati-<br>num<br>(New<br>York) |
|----------------|---|-----------------------|-----------------------------------|-----------------------|------------------------|--------------------------------|-----------------------------------|--------------------------------|
| 1896-1900..... | <sup>2</sup> 13.41                            | 3.84                  | 19.54                             | 4.55                  | -----                  | 8.204                          | 42.17                             | <sup>3</sup> 16.66             |
| 1901.....      | 16.11   | 4.33                  | 26.74                             | 4.07                  | -----                  | 8.250                          | 47.00                             | 20.00                          |
| 1902.....      | 11.626  | 4.069                 | 26.79                             | 4.84                  | -----                  | 6.120                          | 48.03                             | 19.00                          |
| 1903.....      | 13.235  | 4.237                 | 28.09                             | 5.40                  | 5.191                  | 6.000                          | 41.32                             | 18.91                          |
| 1904.....      | 12.823  | 4.309                 | 27.99                             | 5.100                 | 4.931                  | 6.371                          | 41.00                             | 19.50                          |
| 1905.....      | 15.590  | 4.707                 | 31.358                            | 5.882                 | 5.730                  | 10.250                         | 38.50                             | 20.34                          |
| 1906.....      | 19.278  | 5.657                 | 39.819                            | 6.198                 | 6.048                  | 21.730                         | 40.90                             | 28.04                          |
| 1907.....      | 20.004  | 5.325                 | 38.166                            | 5.962                 | 5.812                  | 14.840                         | 41.50                             | 30.98                          |
| 1908.....      | 13.208  | 4.200                 | 29.465                            | 4.726                 | 4.578                  | 8.004                          | 44.84                             | 16.32                          |
| 1909.....      | 12.982  | 4.273                 | 29.725                            | 5.503                 | 5.352                  | 7.466                          | 46.30                             | 24.87                          |
| 1910.....      | 12.738  | 4.446                 | 34.123                            | 5.520                 | 5.370                  | 7.386                          | 47.06                             | 32.70                          |
| 1911.....      | 12.376  | 4.420                 | 42.281                            | 5.758                 | 5.608                  | 7.540                          | 46.54                             | 43.12                          |
| 1912.....      | 16.341  | 4.471                 | 46.096                            | 6.943                 | 6.799                  | 7.760                          | 42.46                             | 45.55                          |
| 1913.....      | 15.269  | 4.370                 | 44.252                            | 5.648                 | 5.504                  | 7.520                          | 39.54                             | 44.88                          |
| 1914.....      | 13.602  | 3.862                 | 34.301                            | 5.213                 | 5.061                  | 8.763                          | 48.31                             | 45.14                          |
| 1915.....      | 17.275  | 4.673                 | 38.590                            | 13.230                | 13.054                 | 30.280                         | 87.01                             | 47.13                          |
| 1916.....      | 27.202  | 6.858                 | 43.480                            | 12.804                | 12.634                 | 25.370                         | 125.49                            | 83.40                          |
| 1917.....      | 27.180  | 8.787                 | 61.802                            | 8.901                 | 8.730                  | 20.690                         | 106.30                            | 102.82                         |
| 1918.....      | <sup>4</sup> 24.628                           | 7.413                 | ( <sup>5</sup> )                  | 8.159                 | 7.890                  | 12.581                         | 123.47                            | 105.96                         |
| 1919.....      | 18.691  | 5.759                 | 63.328                            | 7.338                 | 6.988                  | 8.190                          | 92.15                             | 114.61                         |
| 1920.....      | 17.456  | 7.957                 | 48.273                            | ( <sup>5</sup> )      | 7.671                  | 8.485                          | 81.12                             | 110.90                         |
| 1921.....      | 12.502  | 4.545                 | 28.576                            | ( <sup>5</sup> )      | 4.655                  | 4.957                          | 45.46                             | 75.03                          |
| 1922.....      | 13.382  | 5.734                 | 31.831                            | ( <sup>5</sup> )      | 5.716                  | 5.471                          | 58.94                             | 97.61                          |
| 1923.....      | 14.421  | 7.267                 | 41.799                            | ( <sup>5</sup> )      | 6.607                  | 7.897                          | 66.50                             | 116.53                         |
| 1924.....      | 13.024  | 8.097                 | 49.674                            | ( <sup>5</sup> )      | 6.344                  | 10.836                         | 69.76                             | 118.81                         |
| 1925.....      | 14.042  | 9.020                 | 56.790                            | ( <sup>5</sup> )      | 7.622                  | 17.494                         | 83.13                             | 119.09                         |
| 1926.....      | 13.795  | 8.417                 | 63.615                            | ( <sup>5</sup> )      | 7.337                  | 15.988                         | 91.90                             | 113.27                         |
| 1927.....      | 12.920  | 6.769                 | 62.747                            | ( <sup>5</sup> )      | 6.242                  | 12.393                         | 118.18                            | 84.64                          |

<sup>1</sup> 99 per cent tin.

<sup>2</sup> Prices 1895 to 1898 are for Lake copper.

<sup>3</sup> Average for 1899 and 1900 only.

<sup>4</sup> Average of 11 months, no quotations being made in December

<sup>5</sup> No average computed.

Source: Review Number and Year Book, Engineering and Mining Journal-Press.

**No. 664.—MINES AND QUARRIES, PETROLEUM, AND NATURAL GAS:  
Principal Statistics, 1919**

|   | Total           | Continental United States | Alaska        | Hawaii    | Porto Rico |
|---|-----------------|---------------------------|---------------|-----------|------------|
| Number of enterprises.....  | 22,361          | 21,967                    | 346           | 5         | 13         |
| Number of mines and quarries.....   | 14,802          | 14,417                    | 367           | 3         | 12         |
| Number of petroleum and natural gas wells.....                              | 257,681         | 257,673                   | 6             |           |            |
| Number of natural-gas gasoline plants.....                                  | 1,115           | 1,115                     |               |           |            |
| Persons engaged, total.....   | 1,088,444       | 1,044,700                 | 3,267         | 163       | 236        |
| Proprietors and firm members, total.....                                    | 22,789          | 22,155                    | 593           | 4         | 17         |
| Salaried employees.....   | 75,888          | 75,457                    | 199           | 8         | 25         |
| Wage earners (average number).....  | 989,967         | 947,191                   | 2,475         | 145       | 191        |
| Power used (aggregate horsepower).....                                      | 6,816,814       | 6,786,477                 | 29,979        | 323       | 38         |
| Capital.....  | \$7,225,416,992 | \$7,108,623,486           | \$116,626,441 | \$112,682 | \$54,173   |
| Principal expenses.....   | 2,656,982,424   | 2,545,925,350             | 10,403,020    | 171,830   | 92,304     |
| Salaries.....   | 151,820,643     | 151,272,451               | 513,076       | 5,533     | 9,865      |
| Wages.....  | 1,204,545,967   | 1,304,403,342             | 5,010,611     | 89,365    | 56,379     |
| Supplies and materials.....   | 531,048,470     | 528,853,539               | 2,789,765     | 34,426    | 10,652     |
| Cost of ore, coal, and natural gas purchased as material or for resale..... | 35,905,352      | 35,406,352                |               |           |            |
| Fuel and purchased power.....   | 124,610,063     | 121,509,608               | 1,080,848     | 14,560    | 5,257      |
| Royalties and rents.....  | 176,478,995     | 176,129,858               | 314,096       | 26,282    | 8,789      |
| Taxes.....  | 141,878,154     | 141,567,734               | 307,390       | 1,687     | 1,343      |
| Contract work.....  | 82,000,872      | 62,239,068                | 457,774       |           |            |
| Value of products.....  | 3,174,507,487   | 3,158,463,906             | 15,634,801    | 250,528   | 158,137    |

Source: Bureau of the Census, Department of Commerce.

**No. 665.—PRODUCING MINES AND QUARRIES: Principal Statistics**

|   | Continental United States |                      |                 |                 | Per cent of increase 1909-1919 |
|---|---------------------------|----------------------|-----------------|-----------------|--------------------------------|
|   | 1909                      | 1908                 | 1909            | 1919            |                                |
| Number of enterprises.....  | ( <sup>1</sup> )          | 46,849               | 21,268          | 21,360          | 0.1                            |
| Number of mines and quarries.....   | 22,094                    | 17,039               | 18,164          | 13,844          | -23.8                          |
| Number of petroleum and natural-gas wells.....                              | 37,416                    | 123,200              | 106,320         | 257,673         | 64.9                           |
| Number of natural-gas gasoline plants.....                                  |                           |                      |                 | 1,115           |                                |
| Persons engaged.....  |                           |                      | 1,041,683       | 1,077,675       | 3.6                            |
| Proprietors and firm members, total.....                                    | ( <sup>1</sup> )          | ( <sup>1</sup> )     | 29,922          | 21,918          | -26.7                          |
| Number performing manual labor.....   | ( <sup>1</sup> )          | ( <sup>1</sup> )     | 8,861           | 5,243           | -40.8                          |
| Salaried employees.....   | 6,543                     | 38,128               | 44,127          | 74,197          | 68.1                           |
| Wage earners (average number).....  | 536,042                   | 581,728              | 967,633         | 981,500         | 1.4                            |
| Wage earners, Dec. 15, or nearest representative day, total.....            | <sup>2</sup> 536,042      | <sup>2</sup> 581,728 | 1,066,283       | 1,068,189       | 2.3                            |
| Above ground.....   | 244,127                   | 221,506              | 366,962         | 382,708         | 4.3                            |
| Below ground.....   | 291,916                   | 360,222              | 600,000         | 706,423         | 1.0                            |
| Power used (aggregate horsepower).....                                      | ( <sup>1</sup> )          | 2,867,862            | 4,608,253       | 6,723,786       | 45.9                           |
| Capital.....  | \$1,310,535,318           | ( <sup>1</sup> )     | \$3,390,526,841 | \$6,955,468,831 | 106.8                          |
| Principal expenses:   |                           |                      |                 |                 |                                |
| Salaries.....   | 5,520,600                 | \$39,020,553         | 53,393,551      | 149,328,985     | 179.7                          |
| Wages.....  | 222,041,887               | 369,959,980          | 586,774,079     | 1,295,936,226   | 108.6                          |
| Supplies and materials.....   | 86,075,925                | 123,814,967          | 173,411,438     | 519,593,676     | 199.6                          |
| Cost of ore, coal, and natural gas purchased as material or for resale..... |                           |                      | 29,318,316      | 35,905,352      | 22.5                           |
| Fuel and purchased power.....   | ( <sup>1</sup> )          | ( <sup>1</sup> )     | 45,136,550      | 122,105,930     | 170.5                          |
| Royalties and rents.....  | ( <sup>1</sup> )          | 34,530,713           | 63,973,585      | 175,293,984     | 174.0                          |
| Taxes.....  | ( <sup>1</sup> )          | ( <sup>1</sup> )     | 17,706,763      | 140,999,626     | 692.3                          |
| Contract work.....  | ( <sup>1</sup> )          | 20,677,938           | 28,887,898      | 79,380,177      | 174.8                          |
| Value of products.....  | 436,111,548               | 796,826,417          | 1,238,410,322   | 3,158,463,906   | 158.0                          |

<sup>1</sup> A minus sign (-) denotes decrease.<sup>2</sup> Not reported.<sup>3</sup> Average number.<sup>4</sup> Comparable figures not available.<sup>5</sup> Includes cost of fuel.

Source: Bureau of the Census, Department of Commerce.

**No. 686.—SIZE OF PRODUCING ESTABLISHMENTS, MINES AND QUARRIES:  
BY VALUE OF PRODUCTS AND BY NUMBER OF WAGE EARNERS, 1919**

| Industry and value of products per enterprise | Number | Value of products |          | Industry and wage earners per enterprise | Number | Per cent | Wage earners   |          |
|---|--------|-------------------|----------|--|--------|----------|----------------|----------|
|   |        | Amount            | Per cent |  |        |          | Average number | Per cent |
| All industries                                | 21,380 | \$3,158,463,968   | 100.0    | All industries                           | 21,380 | 100.0    | 981,560        | 100.0    |
| Less than \$5,000                             | 6,586  | 15,225,604        | 0.5      | No wage earners                          | 3,722  | 17.5     | —              | —        |
| \$5,000 to \$20,000                           | 5,539  | 58,745,473        | 1.9      | 1 to 5                                   | 7,912  | 37.2     | 16,761         | 1.7      |
| \$20,000 to \$50,000                          | 4,990  | 237,600,990       | 7.5      | 6 to 20                                  | 3,948  | 18.6     | 44,506         | 4.5      |
| \$50,000 to \$100,000                         | 3,005  | 686,788,422       | 21.7     | 21 to 50                                 | 2,309  | 10.9     | 76,040         | 7.7      |
| \$100,000 to \$500,000                        | 684    | 472,131,636       | 14.9     | 51 to 100                                | 1,372  | 6.4      | 98,621         | 10.0     |
| \$500,000 to \$1,000,000                      | 392    | 754,160,595       | 23.9     | 101 to 500                               | 1,743  | 8.2      | 377,339        | 38.4     |
| \$1,000,000 to \$5,000,000                    | 84     | 933,808,246       | 29.6     | 501 to 1,000                             | 182    | 0.9      | 125,276        | 12.8     |
| \$5,000,000 and over                          | —      | —                 | —        | Over 1,000                               | 92     | 0.4      | 243,015        | 24.8     |
| Anthracite coal                               | 354    | 864,044,148       | 100.0    | Anthracite coal                          | 244    | 100.0    | 147,872        | 100.0    |
| Less than \$5,000                             | 37     | 89,977            | (1)      | No wage earners                          | 2      | 0.8      | —              | —        |
| \$5,000 to \$20,000                           | 38     | 440,045           | 0.1      | 1 to 5                                   | 62     | 24.4     | 139            | 0.1      |
| \$20,000 to \$50,000                          | 43     | 1,843,031         | 0.3      | 6 to 20                                  | 39     | 15.4     | 469            | 0.3      |
| \$50,000 to \$100,000                         | 39     | 10,076,964        | 2.8      | 21 to 50                                 | 20     | 7.9      | 629            | 0.4      |
| \$100,000 to \$500,000                        | 32     | 24,276,649        | 6.7      | 51 to 100                                | 13     | 5.1      | 961            | 0.7      |
| \$500,000 to \$1,000,000                      | 48     | 83,084,309        | 22.8     | 101 to 500                               | 63     | 24.8     | 18,240         | 12.4     |
| \$1,000,000 to \$5,000,000                    | 17     | 244,270,547       | 67.1     | 501 to 1,000                             | 33     | 13.0     | 21,604         | 14.9     |
| \$5,000,000 and over                          | —      | —                 | —        | Over 1,000                               | 22     | 8.7      | 105,110        | 71.8     |
| Bituminous coal                               | 6,636  | 1,144,977,565     | 100.0    | Bituminous coal                          | 6,636  | 100.0    | 543,798        | 100.0    |
| Less than \$5,000                             | 818    | 2,711,023         | 0.2      | No wage earners                          | 62     | 0.9      | —              | —        |
| \$5,000 to \$20,000                           | 1,618  | 17,614,491        | 1.5      | 1 to 5                                   | 1,512  | 22.8     | 4,337          | 0.8      |
| \$20,000 to \$50,000                          | 2,006  | 100,379,635       | 8.8      | 6 to 20                                  | 1,549  | 23.3     | 18,074         | 3.3      |
| \$50,000 to \$100,000                         | 1,651  | 386,075,398       | 33.7     | 21 to 50                                 | 1,238  | 18.7     | 41,009         | 7.5      |
| \$100,000 to \$500,000                        | 377    | 257,196,333       | 22.4     | 51 to 100                                | 888    | 13.4     | 64,355         | 11.8     |
| \$500,000 to \$1,000,000                      | 159    | 289,392,384       | 25.3     | 101 to 500                               | 1,241  | 18.7     | 259,288        | 47.6     |
| \$1,000,000 to \$5,000,000                    | 10     | 92,608,301        | 8.1      | 501 to 1,000                             | 101    | 1.5      | 68,737         | 12.6     |
| \$5,000,000 and over                          | —      | —                 | —        | Over 1,000                               | 45     | 0.7      | 89,946         | 16.5     |
| Petroleum and natural gas                     | 9,814  | 931,793,423       | 100.0    | Petroleum and natural gas                | 9,814  | 100.0    | 93,903         | 100.0    |
| Less than \$5,000                             | 4,348  | 9,531,235         | 1.0      | No wage earners                          | 3,292  | 33.5     | —              | —        |
| \$5,000 to \$20,000                           | 2,797  | 28,919,564        | —        | 1 to 5                                   | 4,925  | 50.2     | 8,852          | 9.5      |
| \$20,000 to \$50,000                          | 1,696  | 75,785,417        | 8.1      | 6 to 20                                  | 1,034  | 10.5     | 11,036         | 11.8     |
| \$50,000 to \$100,000                         | 684    | 160,748,376       | 16.2     | 21 to 50                                 | 296    | 3.0      | 9,874          | 10.6     |
| \$100,000 to \$500,000                        | 156    | 109,961,286       | 11.8     | 51 to 100                                | 133    | 1.4      | 9,592          | 10.3     |
| \$500,000 to \$1,000,000                      | 96     | 204,187,367       | 21.9     | 101 to 500                               | 102    | 1.0      | 21,975         | 23.6     |
| \$1,000,000 to \$5,000,000                    | 37     | 352,670,194       | 37.8     | 501 to 1,000                             | 24     | 0.2      | 17,358         | 18.6     |
| \$5,000,000 and over                          | —      | —                 | —        | Over 1,000                               | 8      | 0.1      | 14,515         | 15.6     |
| Iron ore                                      | 290    | 818,217,905       | 100.0    | Iron ore                                 | 290    | 100.0    | 45,741         | 100.0    |
| Less than \$5,000                             | 15     | 36,040            | (1)      | No wage earners                          | 6      | 1.7      | —              | —        |
| \$5,000 to \$20,000                           | 29     | 392,775           | 0.2      | 1 to 5                                   | 21     | 7.2      | 63             | 0.1      |
| \$20,000 to \$50,000                          | 69     | 3,774,321         | 1.7      | 6 to 20                                  | 43     | 14.8     | 574            | 1.3      |
| \$50,000 to \$100,000                         | 98     | 26,543,744        | 12.1     | 21 to 50                                 | 57     | 19.7     | 2,180          | 4.8      |
| \$100,000 to \$500,000                        | 41     | 28,239,920        | 12.9     | 51 to 100                                | 54     | 18.6     | 3,822          | 8.4      |
| \$500,000 to \$1,000,000                      | 35     | 63,674,560        | 29.2     | 101 to 500                               | 102    | 35.2     | 31,032         | 67.9     |
| \$1,000,000 to \$5,000,000                    | 3      | 95,645,505        | 43.8     | 501 to 1,000                             | 7      | 2.4      | 5,535          | 12.1     |
| \$5,000,000 and over                          | —      | —                 | —        | Over 1,000                               | 1      | 0.3      | 2,535          | 5.5      |

<sup>1</sup> Less than one-tenth of 1 per cent.

**No. 687.—HOURS OF LABOR IN MINES AND QUARRIES, 1919**

| Industry  | Total wage earners | Wage earners in mines where the prevailing hours of labor per week were— |          |          |          |          |          |
|---|--------------------|--|----------|----------|----------|----------|----------|
|   |                    | 35 and under   | 36 to 43 | 44 to 53 | 54 to 62 | 63 to 71 | 72 to 84 |
| All industries  | 981,560            | 17,785   | 19,854   | 731,899  | 182,126  | 20,841   | 13,063   |
| Coal  | 147,372            | —  | 315      | 145,787  | 607      | 442      | 21       |
| Anthracite  | 545,798            | 15,978   | 17,163   | 485,574  | 35,222   | 1,841    | 20       |
| Bituminous  | 93,205             | 1,295  | 327      | 13,227   | 44,068   | 21,726   | 12,563   |
| Petroleum and natural gas                               | 45,741             | 11   | 219      | 20,311   | 24,637   | 563      | —        |
| Iron ore  | 43,717             | —  | 7        | 21,150   | 21,166   | 1,394    | —        |
| Crystalline   | 22,069             | 67   | 24       | 3,774    | 17,034   | 280      | —        |
| Crystalline   | 21,664             | 115  | —        | 15,062   | 6,684    | —        | 3        |
| Gold, silver, lead, zinc, copper, and other metal mines | 15,486             | —  | 3        | 3,595    | 11,884   | 251      | 1        |
| Crystalline   | 1,380              | —  | —        | 62       | 1,343    | 72       | 3        |
| Crystalline   | 8,049              | 43   | 1,195    | 4,829    | 1,948    | 34       | —        |
| Crystalline   | 5,453              | 27   | 33       | 2,351    | 3,033    | 4        | 3        |
| Crystalline   | 4,373              | 5  | 30       | 309      | 3,683    | —        | 340      |
| Crystalline   | 4,287              | —  | 8        | 483      | 3,688    | 108      | —        |
| Crystalline   | 3,513              | —  | 335      | 963      | 2,170    | 45       | —        |
| Crystalline   | 3,336              | 20   | 8        | 728      | 2,585    | —        | —        |
| Crystalline   | 2,191              | —  | 1        | 830      | 1,317    | 43       | —        |
| Crystalline   | 1,732              | —  | —        | 50       | 1,667    | 15       | —        |
| Crystalline   | 1,129              | —  | —        | —        | 1,129    | —        | —        |
| Crystalline   | 10,895             | 204  | 193      | 2,794    | 7,560    | 23       | 122      |

Source of Tables 686 and 687: Bureau of the Census, Department of Commerce.

## No. 688.—PRODUCING MINES AND QUARRIES: SUMMARY BY INDUSTRIES

| Industry                          | Number of enterprises <sup>1</sup> |        | Wage earners (average number) |         | Power used (aggregate horsepower) |           | Wages                             |           | Value of products |           |
|-----------------------------------|------------------------------------|--------|-------------------------------|---------|-----------------------------------|-----------|-----------------------------------|-----------|-------------------|-----------|
|                                   |                                    |        |                               |         |                                   |           | 1909                              | 1919      | 1909              | 1919      |
|                                   | 1909                               | 1919   | 1909                          | 1919    | 1909                              | 1919      | Expressed in thousands of dollars |           |                   |           |
| All industries <sup>2</sup> ..    | 19,915                             | 21,280 | 967,633                       | 981,580 | 4,606,363                         | 6,723,798 | 586,774                           | 1,905,936 | 1,838,410         | 2,156,484 |
| <b>FUELS</b>                      |                                    |        |                               |         |                                   |           |                                   |           |                   |           |
| Coal:                             |                                    |        |                               |         |                                   |           |                                   |           |                   |           |
| Anthracite .....                  | 192                                | 254    | 169,367                       | 147,372 | 676,763                           | 899,783   | 92,818                            | 210,289   | 149,180           | 364,084   |
| Bituminous .....                  | 3,503                              | 6,636  | 511,723                       | 545,798 | 1,227,401                         | 2,155,412 | 294,196                           | 662,601   | 427,962           | 1,145,978 |
| Petroleum and natural gas .....   | 7,793                              | 9,814  | 36,744                        | 93,205  | 1,231,969                         | 1,821,342 | 27,092                            | 134,521   | 185,417           | 931,793   |
| <b>METALS</b>                     |                                    |        |                               |         |                                   |           |                                   |           |                   |           |
| Iron ore .....                    | 176                                | 290    | 47,246                        | 43,741  | 346,534                           | 370,869   | 29,731                            | 75,713    | 106,647           | 218,213   |
| Copper .....                      | 161                                | 195    | 51,843                        | 43,717  | 376,464                           | 523,591   | 49,383                            | 66,390    | 134,617           | 161,238   |
| Gold and silver, Lode mines ..... | 1,604                              | 740    | 29,425                        | 15,436  | 200,966                           | 149,680   | 30,868                            | 23,818    | 83,856            | 58,833    |
| Placer mines .....                | 678                                | 112    | 2,064                         | 1,380   | 27,278                            | 85,632    | 2,670                             | 1,914     | 10,237            | 9,248     |
| Lead and zinc .....               | 977                                | 432    | 16,807                        | 21,884  | 110,529                           | 229,541   | 10,478                            | 30,708    | 31,363            | 78,579    |
| Manganese .....                   | 5                                  | 35     | 60                            | 909     | 215                               | 5,800     | 12                                | 1,066     | 31                | 2,188     |
| Quicksilver .....                 | 12                                 | 26     | 544                           | 748     | 784                               | 2,607     | 408                               | 828       | 828               | 1,803     |
| Rare metals .....                 | 25                                 | 22     | 531                           | 633     | 2,287                             | 3,544     | ( <sup>3</sup> )                  | 748       | 9,626             | 1,726     |
| <b>STONE</b>                      |                                    |        |                               |         |                                   |           |                                   |           |                   |           |
| Limestone .....                   | 1,665                              | 895    | 30,289                        | 22,069  | 125,024                           | 213,717   | 14,082                            | 23,926    | 29,832            | 52,944    |
| Granite .....                     | 707                                | 356    | 13,744                        | 8,049   | 61,095                            | 55,674    | 11,112                            | 8,588     | 18,908            | 18,279    |
| Sandstone .....                   | 1,158                              | 255    | 9,812                         | 4,287   | 36,566                            | 38,869    | 4,761                             | 4,469     | 9,291             | 10,695    |
| Basalt .....                      | 196                                | 163    | 5,256                         | 3,356   | 29,211                            | 37,307    | 2,539                             | 3,901     | 3,978             | 9,658     |
| Slate .....                       | 185                                | 101    | 8,803                         | 3,513   | 29,777                            | 20,613    | 4,089                             | 3,128     | 6,054             | 5,721     |
| Marble .....                      | 77                                 | 48     | 6,166                         | 1,732   | 21,779                            | 15,628    | 3,079                             | 1,452     | 6,239             | 4,268     |
| <b>MISCELLANEOUS</b>              |                                    |        |                               |         |                                   |           |                                   |           |                   |           |
| Abrasive materials .....          | 49                                 | 34     | 408                           | 317     | 1,344                             | 1,748     | ( <sup>3</sup> )                  | 322       | .....             | 722       |
| Asbestos .....                    | 5                                  | 10     | 54                            | 146     | 390                               | 420       | 31                                | 92        | 65                | 250       |
| Asphalt .....                     | 12                                 | 9      | 206                           | 324     | 828                               | 448       | 129                               | 295       | 466               | 750       |
| Barytes .....                     | 23                                 | 89     | 240                           | 919     | 262                               | 3,029     | 90                                | 769       | 225               | 1,392     |
| Bauxite .....                     | 10                                 | 10     | 563                           | 785     | 1,565                             | 2,507     | 198                               | 942       | 671               | 2,190     |
| Clay .....                        | 261                                | 345    | 3,262                         | 5,453   | 8,668                             | 21,243    | 1,362                             | 5,367     | 2,046             | 10,096    |
| Feldspar .....                    | 22                                 | 30     | 247                           | 349     | 993                               | 1,782     | 107                               | 264       | 271               | 584       |
| Fluorspar .....                   | 13                                 | 54     | 290                           | 1,124   | 1,379                             | 7,138     | 168                               | 1,196     | 289               | 3,235     |
| Fuller's earth .....              | 16                                 | 9      | 327                           | 824     | 1,739                             | 2,538     | 119                               | 541       | 316               | 2,019     |
| Graphite .....                    | 19                                 | 21     | 294                           | 419     | 2,647                             | 6,410     | 169                               | 342       | 344               | 989       |
| Gypsum .....                      | 78                                 | 47     | 3,462                         | 2,191   | 17,665                            | 15,032    | 1,821                             | 2,478     | 5,613             | 6,806     |
| Magnesite .....                   | 6                                  | 11     | 50                            | 448     | 126                               | 2,540     | 82                                | 652       | 68                | 2,170     |
| Mica .....                        | 73                                 | 66     | 272                           | 448     | 463                               | 803       | 125                               | 288       | 207               | 607       |
| Millstones .....                  | 14                                 | 11     | 51                            | 37      | .....                             | 220       | 17                                | 48        | 34                | 65        |
| Mineral pigments .....            | 23                                 | 23     | 151                           | 185     | 849                               | 1,620     | 44                                | 174       | 151               | 461       |
| Phosphate rock .....              | 51                                 | 48     | 7,873                         | 4,378   | 50,526                            | 49,639    | 3,216                             | 3,901     | 10,781            | 10,300    |
| Pyrite .....                      | 11                                 | 17     | 1,086                         | 1,172   | 5,758                             | 7,338     | 408                               | 1,385     | 677               | 2,409     |
| Silica .....                      | 14                                 | 24     | 158                           | 166     | 1,219                             | 2,082     | 62                                | 160       | 231               | 172       |
| Sulphur .....                     | 4                                  | 4      | 396                           | 1,129   | 3,114                             | 15,291    | 325                               | 1,682     | 4,432             | 17,936    |
| Talc and soapstone .....          | 39                                 | 28     | 1,256                         | 958     | 9,433                             | 7,063     | 604                               | 835       | 1,175             | 2,302     |

<sup>1</sup> Operators, not enterprises, in 1909.<sup>2</sup> The totals for all industries include, besides those specified, statistics for the chromite industry in 1919 and for the borax, chromite, grindstone, marl, monazite, and zircon, peat, and precious stones industries in 1909, for which comparable figures could not be given. The value of products of these industries did not exceed one-tenth of 1 per cent of the total for all industries in either year.<sup>3</sup> Figures not available.

Source: Bureau of the Census, Department of Commerce.

## No. 689.—PRODUCING MINES AND QUARRIES: SUMMARY BY STATES

| Division and State    | Number of enterprises <sup>1</sup> |                   | Wage earners (average number) |         | Power used (aggregate horsepower) |           | Wages                             |           | Value of products |           |
|-----------------------|------------------------------------|-------------------|-------------------------------|---------|-----------------------------------|-----------|-----------------------------------|-----------|-------------------|-----------|
|                       | 1909                               | 1919 <sup>2</sup> | 1909                          | 1919    | 1909                              | 1919      | 1909                              | 1919      | 1909              | 1919      |
|                       |                                    |                   |                               |         |                                   |           | Expressed in thousands of dollars |           |                   |           |
| United States         | 12,915                             | 21,280            | 967,633                       | 981,580 | 4,808,263                         | 6,733,786 | 366,774                           | 1,265,966 | 1,238,410         | 1,158,464 |
| New England           | 810                                | 808               | 17,048                        | 7,813   | 61,250                            | 63,750    | 8,814                             | 8,036     | 17,326            | 18,738    |
| Maine                 | 97                                 | 50                | 2,144                         | 979     | 8,141                             | 6,277     | 1,323                             | 1,052     | 2,056             | 1,623     |
| New Hampshire         | 45                                 | 80                | 1,418                         | 682     | 3,771                             | 4,336     | 926                               | 836       | 1,508             | 1,508     |
| Vermont               | 137                                | 93                | 3,145                         | 2,936   | 25,688                            | 28,119    | 4,449                             | 3,042     | 8,221             | 8,556     |
| Massachusetts         | 120                                | 74                | 3,291                         | 1,704   | 13,031                            | 12,498    | 1,967                             | 2,069     | 3,468             | 4,176     |
| Rhode Island          | 21                                 | 14                | 665                           | 369     | 2,350                             | 3,000     | 410                               | 400       | 896               | 952       |
| Connecticut           | 71                                 | 41                | 1,385                         | 543     | 6,296                             | 8,520     | 730                               | 647       | 1,376             | 1,649     |
| Middle Atlantic       | 6,333                              | 8,604             | 376,633                       | 234,175 | 1,738,619                         | 2,124,082 | 304,299                           | 458,109   | 370,742           | 353,681   |
| New York              | 1,351                              | 700               | 9,305                         | 6,202   | 101,759                           | 91,339    | 4,717                             | 7,497     | 13,335            | 25,131    |
| New Jersey            | 131                                | 97                | 6,315                         | 4,576   | 18,048                            | 23,901    | 2,801                             | 5,393     | 8,347             | 9,309     |
| Pennsylvania          | 4,851                              | 5,807             | 361,013                       | 323,397 | 1,618,806                         | 1,999,422 | 197,474                           | 445,219   | 349,060           | 319,451   |
| East North Central    | 4,158                              | 3,779             | 190,498                       | 190,011 | 913,987                           | 1,150,153 | 118,673                           | 237,636   | 237,833           | 460,469   |
| Ohio                  | 1,676                              | 2,283             | 80,567                        | 49,298  | 234,763                           | 337,611   | 26,769                            | 58,110    | 63,767            | 134,518   |
| Indiana               | 1,010                              | 503               | 23,938                        | 26,751  | 95,039                            | 129,683   | 14,783                            | 30,193    | 21,934            | 52,840    |
| Illinois              | 915                                | 772               | 72,084                        | 79,123  | 225,330                           | 318,231   | 46,379                            | 94,179    | 76,659            | 174,673   |
| Michigan              | 83                                 | 122               | 39,169                        | 31,292  | 273,861                           | 337,882   | 27,661                            | 50,406    | 67,714            | 163,370   |
| Wisconsin             | 268                                | 92                | 4,710                         | 3,547   | 24,864                            | 26,765    | 3,081                             | 4,750     | 7,459             | 10,581    |
| West North Central    | 2,300                              | 1,726             | 75,196                        | 62,353  | 370,390                           | 426,943   | 50,566                            | 84,867    | 130,252           | 290,111   |
| Minnesota             | 153                                | 135               | 16,586                        | 17,265  | 151,834                           | 144,199   | 11,907                            | 29,383    | 58,665            | 130,399   |
| Iowa                  | 373                                | 196               | 16,480                        | 11,274  | 23,453                            | 32,171    | 10,870                            | 12,466    | 13,578            | 18,474    |
| Missouri              | 1,021                              | 468               | 23,420                        | 14,857  | 109,672                           | 100,160   | 14,394                            | 16,777    | 31,607            | 33,366    |
| North Dakota          | 53                                 | 79                | 562                           | 774     | 2,025                             | 2,037     | 364                               | 1,029     | 565               | 1,977     |
| South Dakota          | 39                                 | 23                | 2,456                         | 1,785   | 15,648                            | 11,844    | 3,225                             | 2,497     | 6,432             | 5,314     |
| Nebraska              | 18                                 | 9                 | 349                           | 162     | 815                               | 1,847     | 170                               | 169       | 322               | 293       |
| Kansas                | 643                                | 814               | 14,343                        | 10,136  | 66,943                            | 133,984   | 9,636                             | 21,949    | 18,723            | 90,336    |
| South Atlantic        | 1,348                              | 2,281             | 109,210                       | 129,895 | 636,848                           | 649,189   | 49,896                            | 149,296   | 105,716           | 262,050   |
| Delaware              | 9                                  | 7                 | 493                           | 116     | 1,480                             | 600       | 218                               | 136       | 516               | 244       |
| Maryland              | 126                                | 126               | 7,190                         | 5,628   | 18,118                            | 18,609    | 3,339                             | 5,152     | 5,782             | 9,699     |
| Virginia              | 150                                | 202               | 15,257                        | 14,547  | 34,630                            | 57,890    | 5,230                             | 16,108    | 8,796             | 29,363    |
| West Virginia         | 798                                | 1,714             | 73,410                        | 100,812 | 416,282                           | 704,279   | 35,961                            | 119,578   | 76,288            | 295,607   |
| North Carolina        | 118                                | 102               | 2,216                         | 1,890   | 6,062                             | 5,039     | 863                               | 1,489     | 1,356             | 2,737     |
| South Carolina        | 29                                 | 20                | 1,814                         | 933     | 7,012                             | 4,666     | 626                               | 680       | 1,253             | 1,351     |
| Georgia               | 92                                 | 74                | 3,383                         | 2,397   | 10,068                            | 13,026    | 1,278                             | 2,017     | 2,675             | 4,052     |
| Florida               | 26                                 | 26                | 5,448                         | 3,372   | 42,366                            | 44,969    | 2,351                             | 3,106     | 8,847             | 8,976     |
| East South Central    | 830                                | 1,405             | 62,906                        | 60,612  | 179,650                           | 351,553   | 29,444                            | 96,786    | 49,145            | 181,645   |
| Kentucky              | 437                                | 938               | 18,297                        | 43,563  | 53,203                            | 148,893   | 7,927                             | 49,551    | 12,100            | 98,497    |
| Tennessee             | 216                                | 203               | 16,338                        | 14,470  | 34,523                            | 56,685    | 7,359                             | 12,987    | 12,622            | 29,292    |
| Alabama               | 177                                | 264               | 28,271                        | 32,579  | 91,924                            | 145,775   | 14,258                            | 36,230    | 24,351            | 59,866    |
| West South Central    | 1,288                              | 3,631             | 33,806                        | 60,938  | 149,802                           | 694,736   | 15,673                            | 88,445    | 47,531            | 480,737   |
| Arkansas              | 96                                 | 126               | 4,925                         | 3,630   | 14,080                            | 21,365    | 3,036                             | 4,573     | 4,604             | 8,405     |
| Louisiana-Mississippi | 33                                 | 127               | 926                           | 5,229   | 8,445                             | 84,135    | 873                               | 7,505     | 6,547             | 40,016    |
| Oklahoma              | 864                                | 1,934             | 11,658                        | 33,914  | 95,074                            | 448,173   | 7,775                             | 46,809    | 25,638            | 281,928   |
| Texas                 | 236                                | 624               | 6,379                         | 18,164  | 32,003                            | 129,063   | 3,998                             | 29,558    | 10,742            | 160,378   |
| Mountain              | 1,972                              | 1,508             | 83,993                        | 81,519  | 467,184                           | 718,949   | 82,081                            | 131,198   | 205,064           | 231,636   |
| Montana               | 373                                | 239               | 18,846                        | 16,129  | 174,389                           | 143,718   | 21,361                            | 25,734    | 54,992            | 40,924    |
| Idaho                 | 174                                | 82                | 3,246                         | 2,455   | 26,279                            | 31,239    | 4,046                             | 4,202     | 8,619             | 11,840    |
| Wyoming               | 66                                 | 106               | 7,742                         | 9,690   | 30,336                            | 62,757    | 8,267                             | 14,576    | 10,572            | 41,929    |
| Colorado              | 672                                | 477               | 21,453                        | 16,790  | 98,777                            | 116,351   | 18,463                            | 25,405    | 45,680            | 51,217    |
| New Mexico            | 96                                 | 85                | 5,107                         | 7,100   | 16,042                            | 59,874    | 3,529                             | 10,494    | 5,565             | 18,573    |
| Arizona               | 126                                | 155               | 12,834                        | 15,265  | 47,272                            | 169,091   | 13,503                            | 26,193    | 34,213            | 68,479    |
| Utah                  | 186                                | 141               | 10,089                        | 9,847   | 47,226                            | 86,131    | 8,667                             | 17,197    | 22,083            | 41,511    |
| Nevada                | 266                                | 203               | 4,642                         | 4,231   | 26,862                            | 50,786    | 5,925                             | 7,401     | 23,272            | 18,054    |
| Pacific               | 1,686                              | 838               | 23,261                        | 25,134  | 191,066                           | 357,675   | 25,646                            | 40,907    | 75,111            | 178,904   |
| Washington            | 93                                 | 83                | 6,904                         | 5,050   | 20,742                            | 38,196    | 5,891                             | 7,406     | 10,538            | 13,329    |
| Oregon                | 116                                | 50                | 800                           | 740     | 8,070                             | 6,294     | 706                               | 963       | 1,191             | 1,855     |
| California            | 1,329                              | 725               | 26,517                        | 19,344  | 162,238                           | 313,213   | 19,050                            | 31,748    | 63,382            | 163,770   |

<sup>1</sup> Operators, not enterprises, in 1909.<sup>2</sup> The total for the United States includes, besides the States specified, statistics for the District of Columbia for which no statistics were reported for 1909.<sup>3</sup> Exclusive of duplication, 307 operators having reported in two or more States.<sup>4</sup> For 1909 statistics are for Louisiana only; nothing reported for Mississippi.

Source: Bureau of the Census, Department of Commerce.



# No. 690.—MINERAL PRODUCTS OF THE

(Note.—Blank spaces indicate absence of data on metal cases; method of computing total value is indicated by footnotes.)

| Product   | Quantity  |           |           |           |           |           |         |         |           |           | Value in thousands of dollars |      |      |           |
|---|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|-----------|-----------|-------------------------------|------|------|-----------|
|   | 1910      | 1911      | 1912      | 1913      | 1914      | 1915      | 1916    | 1917    | 1918      | 1919      | 1920                          | 1921 | 1922 | 1923      |
| <b>METALLIC</b>                                     |           |           |           |           |           |           |         |         |           |           |                               |      |      |           |
| Aluminum  | 14,000    | 23,224    | 12,535    | 19,067    | 22,521    | 24,347    | 8,926   | 16,280  | 41,373    | 20,420    | 37,088                        |      |      |           |
| Antimonial lead                                     | 2,229     | 5,304     | 2,745     | 2,024     | 2,693     | 2,736     | 1,838   | 3,006   | 1,963     | 3,786     |                               |      |      |           |
| Antimony  | 145,932   | 297,041   | 221,818   | 316,340   | 392,250   | 320,940   | 716     | 1,616   | 3,247     | 1,963     | 2,418                         |      |      | 2,953     |
| Bauxite   | 4,700     | 91,415    | 129,283   | 502,824   | 510,428   | 1,074,654 | 3       | 108     | 151       | 277       | 630                           |      |      | 645       |
| Cadmium   | 205       | 3,241     | 2,542     | 108       | 141       | ...       | 3       | 37      | 45        | 2         | 3                             |      |      |           |
| Chromite  | 1,080,160 | 1,358,010 | 1,239,091 | 1,574,870 | 1,739,622 | 1,644,341 | 137,180 | 242,902 | 222,467   | 237,832   | 343,647                       |      |      | 220,009   |
| Copper, sales value                                 | (*)       | 398,644   | 412,808   | 616,222   | 680,258   | 610,740   | (*)     | 17,450  | 77,519    | 63,045    | 61,308                        |      |      | 55,104    |
| Ferro-alloys  | 4,647     | 4,898     | 2,476     | 2,412     | 2,343     | 2,197     | 96,209  | 101,016 | 51,187    | 49,900    | 48,270                        |      |      | 45,419    |
| Gold  | 16,890    | 55,463    | 69,281    | 83,926    | 60,203    | 61,232    | 140,726 | 101,299 | 283,006   | 160,797   | 174,016                       |      |      | 151,128   |
| Iron  | 26,674    | 30,364    | 35,710    | 36,813    | 39,181    | 31,897    | 412,162 | 401,410 | 3,140,944 | 739,816   | 749,633                       |      |      | 640,226   |
| Pig   | 375,402   | 507,026   | 476,546   | 654,021   | 680,685   | 628,323   | 30,066  | 47,660  | 70,240    | 113,956   | 108,910                       |      |      | 84,210    |
| Lead (refined) sales value                          | 2,233     | 9,812     | 94,420    | 68,324    | 46,235    | 44,741    | 21      | 113     | 2,390     | 1,853     | 1,229                         |      |      | 1,152     |
| Manganese ore (5 to 35 per cent Mn)                 | 61,101    | 195,785   | 767,604   | 1,448,054 | 1,217,631 | 1,461,009 | 187     | 617     | 2,436     | 3,742     | 3,138                         |      |      | 3,947     |
| Manganese ore (5 to 35 per cent Mn)                 | 20,601    | 21,033    | 13,392    | 9,174     | 7,642     | 11,278    | 968     | 1,835   | 1,067     | 3,703     | 1,702                         |      |      | 1,315     |
| Mercury, natural                                    | 124,000   | 159,000   | 109,000   | 65,000    | 51,000    | (*)       | (*)     | (*)     | (*)       | (*)       | (*)                           |      |      | (*)       |
| Mercury ore   |           | 832       | 365       | 272       | 323       | 860       |         | 586     | 203       | 170       | 235                           |      |      | 361       |
| Nickel, (value at New York City)                    |           |           |           |           |           |           |         |         |           |           |                               |      |      |           |
| Ores (crude), tailings, etc                         | 28,197    | 43,404    | 36,766    | 53,262    | 57,836    | (*)       | (*)     | (*)     | (*)       | (*)       | (*)                           |      |      | (*)       |
| Copper  | 20        | 11        | 27        | 226       | 262       | (*)       | (*)     | (*)     | (*)       | (*)       | (*)                           |      |      | (*)       |
| Copper lead and copper-lead                         | 9,646     | 12,667    | 8,590     | 8,986     | 8,743     | (*)       | (*)     | (*)     | (*)       | (*)       | (*)                           |      |      | (*)       |
| Dry and succions (gold and silver)                  | 6,781     | 7,497     | 7,200     | 8,500     | 8,304     | (*)       | (*)     | (*)     | (*)       | (*)       | (*)                           |      |      | (*)       |
| Lead  | 12,890    | 18,176    | 12,383    | 17,741    | 19,003    | (*)       | (*)     | (*)     | (*)       | (*)       | (*)                           |      |      | (*)       |
| Lead-zinc   |           |           | 2,651     | 3,411     | 4,139     | (*)       | (*)     | (*)     | (*)       | (*)       | (*)                           |      |      | (*)       |
| Zinc  |           |           |           |           |           | (*)       | (*)     | (*)     | (*)       | (*)       | (*)                           |      |      | (*)       |
| Platinum and allied metals (value at New York City) | 733       | 8,685     | 41,544    | 40,543    | 84,981    | 46,050    | 25      | 479     | 4,628     | 5,852     | 9,211                         |      |      | 3,780     |
| Silver  | 67,136    | 76,961    | 56,362    | 66,155    | 62,719    | 60,434    | 30,656  | 37,367  | 60,672    | 46,912    | 30,130                        |      |      | 24,266    |
| Tin (metallic equivalent)                           | 102       | 102       | 22        | 14        | 8         | (*)       | 23      | 79      | (*)       | 16        | 10                            |      |      | 24        |
| Titanium ore (crude)                                | 366       | 250       | 277       | 46        | (*)       | (*)       | 44      | 38      | (*)       | 11        | (*)                           |      |      | (*)       |
| Tungsten ore (60 per cent concentrate)              | 1,821     | 2,332     | 2,6       | 1,190     | 1,382     | 1,164     | 833     | 4,100   | 102       | 750       | 930                           |      |      | 724       |
| Uranium ore (60 per cent concentrate)               |           |           | 35,076    | 13,070    | 21,674    | (*)       |         | 624     | 2,401     | 331       | 320                           |      |      | (*)       |
| Vanadium and vanadium ore                           |           |           | 450,145   | 655,631   | 611,691   | 70,460    | 27,267  | 113,617 | 72,967    | 84,486    | 91,709                        |      |      | 73,903    |
| Zinc, sales value                                   | 232,479   | 456,135   |           |           |           |           |         |         |           |           |                               |      |      |           |
| <b>Total metallic products (approximate)</b>        |           |           |           |           |           |           | 749,879 | 991,740 | 1,702,340 | 1,380,280 | 1,402,920                     |      |      | 1,317,009 |

## NONMETALLIC

|   | 1,497 | 5,498 | 11,802 | 12,317 | 11,805 | (10)  | 52 | 392 | 2,021 | 1,199 | 674 | (10) |
|---|-------|-------|--------|--------|--------|-------|----|-----|-------|-------|-----|------|
| Armenious oxide.....short tons..                  | 3,093 | 1,731 | 1,648  | 1,258  | 1,368  | 2,061 | 68 | 77  | 678   | 52    | 135 | 137  |
| Asbestos.....do.....                              |       |       |        |        |        |       |    |     |       |       |     |      |
| Asphalt:  |       |       |        |        |        |       |    |     |       |       |     |      |
| Native.....do.....                                |       |       |        |        |        |       |    |     |       |       |     |      |
| Oil.....do.....                                   |       |       |        |        |        |       |    |     |       |       |     |      |
| Barite (crude).....do.....                        |       |       |        |        |        |       |    |     |       |       |     |      |
| Borates.....do.....                               |       |       |        |        |        |       |    |     |       |       |     |      |
| Bromine.....do.....                               |       |       |        |        |        |       |    |     |       |       |     |      |
| 1,000 pounds.....                                 |       |       |        |        |        |       |    |     |       |       |     |      |
| Calcium-magnesium chloride.....short tons..       |       |       |        |        |        |       |    |     |       |       |     |      |
| Cement.....do.....                                |       |       |        |        |        |       |    |     |       |       |     |      |
| 1,000 bbls. (376 lbs. net).....                   |       |       |        |        |        |       |    |     |       |       |     |      |
| Clay:   |       |       |        |        |        |       |    |     |       |       |     |      |
| Products.....                                     |       |       |        |        |        |       |    |     |       |       |     |      |
| Raw.....1,000 short tons..                        |       |       |        |        |        |       |    |     |       |       |     |      |
| Coal:   |       |       |        |        |        |       |    |     |       |       |     |      |
| Bituminous <sup>11</sup> .....do.....             |       |       |        |        |        |       |    |     |       |       |     |      |
| Pennsylvania anthracite.....1,000 long tons..     |       |       |        |        |        |       |    |     |       |       |     |      |
| Coke.....1,000 short tons..                       |       |       |        |        |        |       |    |     |       |       |     |      |
| Diatomite and tripoli.....short tons..            |       |       |        |        |        |       |    |     |       |       |     |      |
| Lignite.....do.....                               |       |       |        |        |        |       |    |     |       |       |     |      |
| Feldspar (crude).....long tons..                  |       |       |        |        |        |       |    |     |       |       |     |      |
| Fluorapatite.....short tons..                     |       |       |        |        |        |       |    |     |       |       |     |      |
| Fuller's earth.....do.....                        |       |       |        |        |        |       |    |     |       |       |     |      |
| Garnet for abrasive purposes.....do.....          |       |       |        |        |        |       |    |     |       |       |     |      |
| Gem and precious stones.....do.....               |       |       |        |        |        |       |    |     |       |       |     |      |
| Graphite.....do.....                              |       |       |        |        |        |       |    |     |       |       |     |      |
| Amorphous.....short tons..                        |       |       |        |        |        |       |    |     |       |       |     |      |
| Crystalline.....1,000 pounds..                    |       |       |        |        |        |       |    |     |       |       |     |      |
| Groundstones and pulpstones.....short tons..      |       |       |        |        |        |       |    |     |       |       |     |      |
| Gypsum.....1,000 short tons..                     |       |       |        |        |        |       |    |     |       |       |     |      |
| Lime.....do.....                                  |       |       |        |        |        |       |    |     |       |       |     |      |
| Magnesite (crude).....short tons..                |       |       |        |        |        |       |    |     |       |       |     |      |
| Mica:   |       |       |        |        |        |       |    |     |       |       |     |      |
| Scrap.....do.....                                 |       |       |        |        |        |       |    |     |       |       |     |      |
| Sheet.....1,000 pounds..                          |       |       |        |        |        |       |    |     |       |       |     |      |
| Millstones.....do.....                            |       |       |        |        |        |       |    |     |       |       |     |      |
| Mineral paints:                                   |       |       |        |        |        |       |    |     |       |       |     |      |
| Natural pigments <sup>11</sup> .....short tons..  |       |       |        |        |        |       |    |     |       |       |     |      |
| Zinc and lead pigments <sup>11</sup> .....do..... |       |       |        |        |        |       |    |     |       |       |     |      |
| Mineral waters.....1,000 gallons..                |       |       |        |        |        |       |    |     |       |       |     |      |
| Natural gas.....1,000,000 cu. ft..                |       |       |        |        |        |       |    |     |       |       |     |      |
| Natural-gas gasoline.....1,000 gallons..          |       |       |        |        |        |       |    |     |       |       |     |      |
| Oilstones, etc.....short tons..                   |       |       |        |        |        |       |    |     |       |       |     |      |
| Peat.....do.....                                  |       |       |        |        |        |       |    |     |       |       |     |      |
| Petroleum.....1,000 barrels (12 gals.)..          |       |       |        |        |        |       |    |     |       |       |     |      |
| Phosphate rock.....1,000 long tons..              |       |       |        |        |        |       |    |     |       |       |     |      |
| Potash (K <sub>2</sub> O).....short tons..        |       |       |        |        |        |       |    |     |       |       |     |      |
| Pumice.....do.....                                |       |       |        |        |        |       |    |     |       |       |     |      |
| Pyrites.....long tons..                           |       |       |        |        |        |       |    |     |       |       |     |      |
| Salt.....1,000 short tons..                       |       |       |        |        |        |       |    |     |       |       |     |      |

For footnotes see p. 712.

## No. 690. —MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES—Continued

| Products  | Quantity |         |          |            |            |                   |  | Value in thousands of dollars |                  |                  |                  |                  |                   |
|---|----------|---------|----------|------------|------------|-------------------|--|-------------------------------|------------------|------------------|------------------|------------------|-------------------|
|   | 1910     | 1915    | 1920     | 1925       | 1926       | 1927              |  | 1910                          | 1915             | 1920             | 1925             | 1926             | 1927              |
| NONMETALLIC—continued   |          |         |          |            |            |                   |  |                               |                  |                  |                  |                  |                   |
| Sand:   |          |         |          |            |            |                   |  |                               |                  |                  |                  |                  |                   |
| Glass.....1,000 short tons  | 1,461    | 1,884   | 2,166    | 2,335      | 2,274      | 2,000             |  | 1,517                         | 1,607            | 4,749            | 3,836            | 3,615            | 3,000             |
| Molding, building, etc., and gravel.....do                                    | 67,949   | 74,719  | 79,875   | 169,667    | 180,827    | 187,000           |  | 19,521                        | 21,515           | 60,913           | 103,706          | 107,723          | 110,000           |
| Sand-lime brick.....thousands   | 172,507  | 179,643 | 169,761  | 9315,595   | 9330,586   | ( <sup>16</sup> ) |  | 1,169                         | 1,135            | 2,490            | 93,781           | 3,981            | ( <sup>16</sup> ) |
| Silica (quartz).....short tons  | 63,577   | 112,575 | 68,190   | 25,414     | 27,743     | 22,144            |  | 194                           | 274              | 320              | 205              | 274              | 194               |
| Slate.....do  |          |         | 468,700  | 724,600    | 718,000    | 692,040           |  | 6,237                         | 4,959            | 8,726            | 12,575           | 12,353           | 11,381            |
| Stone.....1,000 short tons  |          |         | 78,527   | 115,851    | 124,496    | 135,200           |  | 76,521                        | 74,595           | 133,542          | 174,217          | 188,309          | 197,200           |
| Sulphur.....1,000 long tons   | 251      | 294     | 1,518    | 1,858      | 2,073      | 2,072             |  | 4,522                         | 4,959            | 30,000           | 29,000           | 37,300           | 38,300            |
| Sulphuric acid (60° Baumé) from copper and zinc smelters.....1,000 short tons |          | 16 905  | 16 1,230 | 1,007      | 1,068      | 1,041             |  | -----                         | 7,621            | 13,017           | 7,513            | 8,274            | 8,240             |
| Talc and soapstone.....short tons   | 150,716  | 186,891 | 210,635  | 17 182,256 | 17 181,568 | 17 192,316        |  | 1,592                         | 1,892            | 3,035            | 17 2,012         | 17 2,111         | 17 2,235          |
| <b>Total nonmetallic products (approximate)</b>                               |          |         |          |            |            |                   |  | <b>1,237,656</b>              | <b>1,400,484</b> | <b>5,214,170</b> | <b>4,814,766</b> | <b>4,802,180</b> | <b>4,294,000</b>  |
| SUMMARY OF VALUES   |          |         |          |            |            |                   |  |                               |                  |                  |                  |                  |                   |
| Metallic products.....  |          |         |          |            |            |                   |  |                               |                  |                  |                  |                  |                   |
| Nonmetallic products (exclusive of fuels)                                     |          |         |          |            |            |                   |  | 749,870                       | 991,730          | 1,762,350        | 1,380,280        | 1,402,920        | 1,217,000         |
| Mineral fuels.....  |          |         |          |            |            |                   |  | 409,455                       | 427,867          | 1,021,260        | 1,232,420        | 1,261,200        | 1,210,000         |
| "Unspecified" (metallic and nonmetallic) products partly estimated.....       |          |         |          |            |            |                   |  | 828,213                       | 972,617          | 4,192,910        | 3,058,680        | 3,540,980        | 3,084,000         |
|   |          |         |          |            |            |                   |  | 309                           | 2,430            | 4,820            | 6,250            | 7,600            | 9,000             |
| <b>Grand total (approximate)</b>  |          |         |          |            |            |                   |  | <b>1,987,844</b>              | <b>2,394,644</b> | <b>6,961,340</b> | <b>5,677,630</b> | <b>6,212,700</b> | <b>5,590,000</b>  |

<sup>1</sup> From both domestic and foreign ores.<sup>2</sup> Content of antimonial lead. Value excluded from metallic total as the value of the antimony is included in the antimonial lead value. Value for antimony other than that in antimonial lead is included in metallic total. Bureau of Mines not at liberty to publish figures.<sup>3</sup> Product from domestic ores only. <sup>4</sup> Included under "Pig iron."<sup>5</sup> Value not included in total value, since value of product derived therefrom, or of raw material used, is accounted for under other items.<sup>6</sup> Including ore used for fluxing.<sup>7</sup> Figures not available. Value of products derived therefrom, or raw materials used, is included elsewhere.<sup>8</sup> Value included in total value of metallic products. Bureau of Mines not at liberty to publish figures.<sup>9</sup> Figures obtained through cooperation with Bureau of the Census.<sup>10</sup> Figures not yet available. Estimate of value included in total value of nonmetallic products.<sup>11</sup> Includes brown coal and lignite, and anthracite mined elsewhere than in Pennsylvania.<sup>12</sup> Tripoli only. Value of diatomite is included in total value of non-metallic products.<sup>13</sup> No canvass. Estimate of value included in total value of non-metallic products.<sup>14</sup> Canvass discontinued after 1915. Value of iron ore sold for paint included under "Unspecified."<sup>15</sup> Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.<sup>16</sup> In 1915 includes 52,189 tons and in 1920, 23,728 tons of stronger acid, not converted to 60° Baumé.<sup>17</sup> Talc only. Value of soapstone is included in value of non-metallic products. Bureau of Mines not at liberty to publish figures.

Source: Bureau of Mines, Department of Commerce.

## No. 691.—MINERAL PRODUCTION, BY STATES

[NOTE.—Iron ore, not pig iron, is taken as the basis of valuation of iron and in the case of other metals mine production (recoverable content of metals) is the basis]

[Values in thousands of dollars]

| State or Territory <sup>1</sup> | Principal mineral products in 1926, in order of value         | Value of total mineral output |             |
|---------------------------------|---|-------------------------------|-------------|
|                                 |   | 1925                          | 1926        |
| Pennsylvania.....               | Coal, cement, clay products, natural gas.....                 | 867, 196                      | 1, 055, 766 |
| Oklahoma.....                   | Petroleum, zinc, natural gas.....                             | 501, 767                      | 569, 519    |
| California.....                 | Petroleum, natural gas, cement.....                           | 496, 923                      | 523, 352    |
| Texas.....                      | Petroleum, natural gas, sulphur.....                          | 351, 212                      | 420, 587    |
| West Virginia.....              | Coal, natural gas, petroleum, clay products.....              | 333, 528                      | 395, 942    |
| Ohio.....                       | Clay products, coal, natural gas, petroleum.....              | 247, 507                      | 253, 884    |
| Illinois.....                   | Coal, clay products, petroleum, cement.....                   | 231, 680                      | 237, 242    |
| Kansas.....                     | Petroleum, zinc, natural gas, coal.....                       | 142, 944                      | 165, 061    |
| Kentucky.....                   | Coal, petroleum, clay products, natural gas.....              | 131, 371                      | 146, 768    |
| Michigan.....                   | Iron ore, copper, cement, salt.....                           | 122, 212                      | 130, 861    |
| Indiana.....                    | Coal, cement, stone, clay products.....                       | 111, 834                      | 118, 692    |
| Minnesota.....                  | Iron ore, stone, cement, clay products.....                   | 110, 253                      | 118, 361    |
| Arizona.....                    | Copper, silver, gold, lead.....                               | 114, 203                      | 115, 049    |
| New York.....                   | Clay products, gypsum, cement, stone.....                     | 102, 036                      | 112, 016    |
| Utah.....                       | Copper, lead, silver, coal.....                               | 100, 275                      | 98, 985     |
| Missouri.....                   | Lead, clay products, cement, coal.....                        | 92, 548                       | 90, 004     |
| Arkansas.....                   | Petroleum, natural gas, coal.....                             | 87, 186                       | 84, 440     |
| Alabama.....                    | Coal, iron ore, cement, clay products.....                    | 77, 139                       | 83, 710     |
| Montana.....                    | Copper, silver, zinc, coal.....                               | 79, 261                       | 79, 763     |
| Wyoming.....                    | Petroleum, coal, natural gas.....                             | 78, 755                       | 78, 968     |
| New Jersey.....                 | Clay products, zinc, cement, stone.....                       | 76, 764                       | 77, 066     |
| Colorado.....                   | Coal, gold, lead, petroleum.....                              | 63, 149                       | 65, 597     |
| Louisiana.....                  | Petroleum, sulphur, natural gas.....                          | 60, 504                       | 62, 204     |
| Virginia.....                   | Coal, clay products, stone, cement.....                       | 41, 038                       | 46, 136     |
| Tennessee.....                  | Coal, cement, clay products, stone.....                       | 38, 869                       | 39, 297     |
| Iowa.....                       | Coal, cement, gypsum, clay products.....                      | 38, 420                       | 35, 972     |
| Idaho.....                      | Lead, silver, zinc, stone.....                                | 31, 611                       | 31, 753     |
| New Mexico.....                 | Copper, coal, petroleum, zinc.....                            | 25, 549                       | 28, 514     |
| Nevada.....                     | Copper, silver, gold, lead.....                               | 26, 470                       | 27, 613     |
| Maryland.....                   | do.....   | 21, 558                       | 24, 067     |
| Washington.....                 | Coal, cement, clay products, sand and gravel.....             | 22, 382                       | 21, 257     |
| Wisconsin.....                  | Stone, zinc, sand and gravel, iron ore.....                   | 19, 205                       | 20, 712     |
| Florida.....                    | Phosphate rock, stone, sand and gravel, fuller's earth.....   | 16, 651                       | 19, 752     |
| Alaska.....                     | Copper, gold, silver, coal.....                               | 18, 286                       | 17, 607     |
| Georgia.....                    | Clay products, stone, cement, fuller's earth.....             | 16, 504                       | 17, 480     |
| Massachusetts.....              | Stone, clay products, sand and gravel, lime.....              | 16, 832                       | 16, 787     |
| Vermont.....                    | Stone, slate, lime, talc.....                                 | 14, 409                       | 14, 955     |
| North Carolina.....             | Clay products, stone, sand and gravel, feldspar.....          | 9, 504                        | 10, 993     |
| Connecticut.....                | Clay products, stone, lime, sand and gravel.....              | 6, 755                        | 7, 685      |
| South Dakota.....               | Gold, cement, sand and gravel, stone.....                     | 7, 972                        | 7, 586      |
| Oregon.....                     | Cement, sand and gravel, stone, clay products.....            | 7, 827                        | 6, 941      |
| Maine.....                      | Stone, lime, clay products, slate.....                        | 5, 839                        | 5, 786      |
| New Hampshire.....              | Stone, clay products, sand and gravel, feldspar.....          | 3, 465                        | 4, 145      |
| South Carolina.....             | Clay products, stone, sand and gravel, barite.....            | 3, 508                        | 3, 677      |
| Nebraska.....                   | Cement, sand and gravel, clay products, stone.....            | 3, 359                        | 3, 322      |
| North Dakota.....               | Coal, clay products, sand and gravel.....                     | 2, 662                        | 2, 805      |
| Mississippi.....                | Sand and gravel, clay products, stone.....                    | 2, 172                        | 1, 883      |
| Rhode Island.....               | Stone, clay products, sand and gravel, lime.....              | 1, 152                        | 1, 339      |
| District of Columbia.....       | Sand and gravel, clay products, sand, lime, brick, stone..... | 955                           | 987         |
| Delaware.....                   | Clay products, stone, sand and gravel.....                    | 539                           | 378         |

<sup>1</sup> States are arranged in order of output in 1925.

Source: Bureau of Mines, Department of Commerce.

## MINERAL PRODUCTS

### IN ORE: PRODUCTION, SHIPMENTS, EXPORTS, AND IMPORTS

Thousands of long tons. Nearly all exports are to Canada. Blank spaces in table available. Since 1905 ore containing 5 per cent or more of manganese has been

| Early average<br>of year |    | Ship-<br>ments | Ex-<br>ports | Im-<br>ports | Production                       | 1924   | 1925   | 1926   | 1927   |
|--------------------------|----|----------------|--------------|--------------|----------------------------------|--------|--------|--------|--------|
|                          |    |                |              |              | REGION                           |        |        |        |        |
|                          |    |                |              | 706          |                                  |        |        |        |        |
|                          |    |                |              | 587          |                                  |        |        |        |        |
|                          |    |                | 271          | 1,180        | Lake Superior <sup>1</sup> ..... | 44,842 | 52,057 | 57,143 | 51,580 |
|                          |    | 50,592         | 953          | 1,941        | Birmingham.....                  | 5,511  | 6,636  | 6,305  | 5,285  |
| 1914                     |    | 70,224         | 1,148        | 967          | All other.....                   | 2,914  | 3,216  | 3,971  | 3,958  |
| 1915                     |    | 52,617         | 477          | 1,601        |                                  |        |        |        |        |
|                          |    |                |              |              | STATE                            |        |        |        |        |
|                          |    | 40,900         | 708          | 1,812        | Alabama.....                     | 6,994  | 7,093  | 6,545  | 6,445  |
|                          |    | 57,018         | 1,196        | 2,105        | Tennessee.....                   | 180    | 185    | 130    | 127    |
|                          |    | 59,043         | 1,042        | 2,565        | Michigan.....                    | 12,351 | 14,491 | 15,244 | 15,078 |
|                          |    | 39,714         | 552          | 1,351        | Minnesota.....                   | 31,902 | 36,856 | 40,702 | 35,467 |
|                          | 25 | 53,493         | 708          | 1,341        | Wisconsin.....                   | 690    | 817    | 1,323  | 1,421  |
|                          |    |                |              |              | Pennsylvania.....                | 807    | 956    | 1,056  | 1,170  |
|                          |    | 77,871         | 1,184        | 1,324        | New York.....                    | 366    | 142    | 630    | 762    |
|                          |    | 75,573         | 1,132        | 972          | New Jersey.....                  | 65     | 203    | 209    | 221    |
|                          | 26 | 72,021         | 1,266        | 787          | Wyoming.....                     | 363    | 490    | 630    | 606    |
|                          |    | 56,373         | 997          | 478          | All other.....                   | 659    | 696    | 790    | 689    |
|                          |    | 67,004         | 99,281       | 1,273        |                                  |        |        |        |        |
| 1921                     |    | 20,401         | 26,653       | 440          |                                  |        |        |        |        |
| 1922                     |    | 47,129         | 50,613       | 002          |                                  |        |        |        |        |
| 1923                     |    | 59,351         | 69,811       | 1,117        | KIND                             |        |        |        |        |
| 1924                     |    | 54,207         | 52,083       | 593          | Hematite.....                    | 52,102 | 59,547 | 64,635 | 65,580 |
| 1925                     |    | 61,908         | 63,925       | 631          | Brown ore.....                   | 2,814  | 1,885  | 1,511  | 1,147  |
| 1926                     |    | 67,623         | 69,293       | 869          | Magnetite.....                   | 1,348  | 1,472  | 1,275  | 1,240  |
| 1927                     |    | 61,741         | 61,232       | 809          | Carbonate.....                   | 3      | 5      | 2      | 2      |

<sup>1</sup>Includes only those mines in Wisconsin which are in true Lake Superior district.

<sup>2</sup>Some hematite included with brown ore

<sup>3</sup>Some hematite included with magnetite.

Source: Bureau of Mines, Department of Commerce

### No. 693.—BLAST FURNACES AND STEEL MILLS: CENSUS STATISTICS

| Year                 | Number<br>of estab-<br>lishments | Wage<br>earners<br>(average<br>number) | Wages               | Value of<br>products <sup>1</sup> | Value<br>added by<br>manufac-<br>ture <sup>2</sup> | Primary<br>horsepower  |
|----------------------|----------------------------------|--|---------------------|-----------------------------------|--|------------------------|
| Thousands of dollars |                                  |  |                     |                                   |  |                        |
| 1879                 | 792                              | <sup>3</sup> 140,798                   | <sup>4</sup> 55,451 | 296,558                           | 106,287  | (4)                    |
| 1889                 | 719                              | 171,181                                | 89,273              | 478,684                           | 151,415  | 794,374                |
| 1899                 | 668                              | 222,490                                | 120,820             | 803,908                           | 281,599  | 1,549,073              |
| 1904                 | 606                              | 242,640                                | 141,427             | 915,788                           | 285,642  | 2,423,000              |
| 1909                 | 654                              | 274,505                                | 187,807             | 1,377,152                         | 399,013  | 3,271,000              |
| 1914                 | 687                              | 278,072                                | 210,923             | 1,236,319                         | 340,913  | <sup>5</sup> 3,925,462 |
| 1919                 | 695                              | 416,748                                | 711,407             | 3,023,300                         | 1,321,597  | <sup>6</sup> 5,334,174 |
| 1921                 | 628                              | 254,218                                | 354,357             | 1,901,431                         | 535,256  | (4)                    |
| 1923                 | 658                              | 424,913                                | 896,761             | 4,161,938                         | 1,289,910  | 3,960,942              |
| 1925                 | 595                              | 399,914                                | 660,297             | 3,711,354                         | 1,281,976  | 6,143,627              |

<sup>1</sup>Includes much duplication.

<sup>2</sup>Value of products less cost of materials

<sup>3</sup>Returns were not secured for number of salaried employees and it is probable that "wages" included amounts paid for salaries, and "wage earners" may have included some salaried employees.

<sup>4</sup>No data.

<sup>5</sup>This total differs slightly from the corresponding one published in previous reports because of the exclusion here and the inclusion in previous reports of data for rented power other than electric.

Source: Bureau of the Census, Department of Commerce.

### No. 694.—PIG IRON: PRODUCTION (INCLUDING FERRO-ALLOYS), 1810-1901

[NOTE.—For later years see Table 695]

| Year | Long tons | Year | Long tons | Year | Long tons | Year | Long tons | Year | Long tons  |
|------|-----------|------|-----------|------|-----------|------|-----------|------|------------|
| 1810 | 53,508    | 1870 | 1,603,179 | 1878 | 2,301,215 | 1886 | 5,683,329 | 1894 | 6,657,144  |
| 1820 | 20,000    | 1871 | 1,706,763 | 1879 | 2,741,863 | 1887 | 6,417,148 | 1895 | 9,446,377  |
| 1830 | 165,000   | 1872 | 2,545,713 | 1880 | 3,835,191 | 1888 | 6,489,738 | 1896 | 8,623,157  |
| 1840 | 246,903   | 1873 | 2,560,463 | 1881 | 4,144,254 | 1889 | 7,603,642 | 1897 | 9,652,240  |
| 1850 | 563,755   | 1874 | 2,401,262 | 1882 | 4,623,323 | 1890 | 9,302,700 | 1898 | 11,773,824 |
| 1860 | 706,159   | 1875 | 3,023,733 | 1883 | 4,595,510 | 1891 | 8,279,870 | 1899 | 13,623,700 |
| 1861 | 821,223   | 1876 | 1,865,961 | 1884 | 4,097,878 | 1892 | 9,157,000 | 1900 | 13,799,200 |
| 1865 | 831,770   | 1877 | 2,006,694 | 1885 | 4,044,526 | 1893 | 7,124,592 | 1901 | 13,872,354 |

Source: American Iron and Steel Institute.

**No. 695.—PRODUCTION, EXPORTS, AND IMPORTS OF PIG IRON (INCLUDING FERRO-ALLOYS) AND PRODUCTION OF STEEL INGOTS AND CASTINGS**

[NOTE.—All figures in long tons. Production prior to 1901 is for calendar years; exports and imports are for years ended June 30 following year specified. Data since 1900 are for calendar years]

| Yearly average or year | Pig iron   |                     |         | Steel ingots and castings, production | Year    | Pig iron   |                     |         | Steel ingots and castings, production |
|------------------------|------------|---------------------|---------|---------------------------------------|---------|------------|---------------------|---------|---------------------------------------|
|                        | Production | Exports of domestic | Imports |                                       |         | Production | Exports of domestic | Imports |                                       |
| 1871-1875..            | 2,248,293  | 7,412               | 137,591 | 1,389,799                             | 1912... | 29,726,937 | 272,676             | 129,325 | 31,251,303                            |
| 1876-1880..            | 2,562,763  | 3,407               | 276,600 | 803,479                               | 1913... | 30,966,152 | 277,648             | 156,450 | 31,300,874                            |
| 1881-1885..            | 4,301,096  | 5,311               | 325,290 | 1,652,268                             | 1914... | 23,332,244 | 114,423             | 139,683 | 23,513,030                            |
| 1886-1890..            | 7,079,312  | 12,407              | 229,970 | 3,292,763                             | 1915... | 29,916,213 | 224,509             | 89,836  | 32,151,036                            |
| 1891-1895..            | 8,133,013  | 22,983              | 54,778  | 4,675,736                             | 1916... | 39,434,797 | 607,236             | 135,349 | 42,773,680                            |
| 1896-1900..            | 11,491,937 | 224,268             | 34,308  | 8,439,938                             | 1917... | 38,621,216 | 656,220             | 76,786  | 45,060,607                            |
| 1901.....              | 15,878,354 | 81,211              | 62,930  | 13,473,595                            | 1918... | 39,054,644 | 299,575             | 34,711  | 44,462,432                            |
| 1902.....              | 17,821,307 | 27,487              | 619,354 | 14,947,250                            | 1919... | 31,015,364 | 321,261             | 101,665 | 34,671,232                            |
| 1903.....              | 18,009,252 | 20,379              | 599,574 | 14,534,978                            | 1920... | 36,925,987 | 216,828             | 185,944 | 42,132,934                            |
| 1904.....              | 16,497,033 | 49,025              | 79,500  | 13,859,887                            | 1921... | 16,683,126 | 28,405              | 44,842  | 19,783,797                            |
| 1905.....              | 22,992,380 | 49,221              | 212,466 | 20,023,947                            | 1922... | 27,219,904 | 33,332              | 498,059 | 35,602,926                            |
| 1906.....              | 25,307,191 | 83,317              | 379,828 | 23,398,136                            | 1923... | 40,361,146 | 37,559              | 474,723 | 44,943,696                            |
| 1907.....              | 25,781,361 | 73,703              | 489,475 | 23,362,594                            | 1924... | 31,405,790 | 45,818              | 276,956 | 37,931,939                            |
| 1908.....              | 15,936,018 | 46,606              | 92,202  | 14,023,247                            | 1925... | 36,700,566 | 39,907              | 516,948 | 45,393,524                            |
| 1909.....              | 25,795,471 | 61,969              | 176,442 | 23,955,021                            | 1926... | 39,372,729 | 28,606              | 514,268 | 48,293,763                            |
| 1910.....              | 27,303,567 | 127,385             | 237,233 | 26,094,919                            | 1927... | 36,565,645 | 55,898              | 175,529 | 44,935,185                            |
| 1911.....              | 23,649,547 | 120,799             | 148,459 | 23,676,106                            |         |            |                     |         |                                       |

<sup>1</sup> 1875 only.

<sup>2</sup> Subject to revision.

**No. 696.—ANALYSIS OF PIG IRON AND FERRO-ALLOY PRODUCTION**

[All figures in thousands of long tons unless otherwise specified]

|   | 1900   | 1905   | 1910   | 1915   | 1920   | 1923   | 1924   | 1925   | 1926   | 1927   |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total pig iron and ferro-alloys..                     | 13,789 | 22,992 | 27,304 | 29,916 | 36,926 | 40,361 | 31,406 | 36,701 | 39,373 | 36,566 |
| By States:  |        |        |        |        |        |        |        |        |        |        |
| New England.....                                      | 14     | 16     | 17     | 8      | 10     | 1      |        |        | 2,729  | 2,775  |
| New York, New Jersey.....                             | 463    | 1,509  | 2,203  | 2,105  | 2,601  | 2,952  | 2,014  | 2,188  |        |        |
| Pennsylvania.....                                     | 6,366  | 10,579 | 11,272 | 12,791 | 13,933 | 14,805 | 11,069 | 12,523 | 13,588 | 11,830 |
| Maryland.....   | 290    | 332    | 326    | 252    | 524    | 530    | 558    | 705    | 805    | 857    |
| Virginia.....   | 491    | 510    | 445    | 251    | 429    | 277    | 98     | 125    | 103    | 99     |
| Alabama.....  | 1,184  | 1,604  | 1,939  | 2,049  | 2,393  | 2,797  | 2,774  | 2,836  | 2,953  | 2,783  |
| Ohio.....   | 2,471  | 4,586  | 5,752  | 6,913  | 8,533  | 9,348  | 7,415  | 8,863  | 9,359  | 8,502  |
| Illinois.....   | 1,363  | 2,034  | 2,676  | 2,447  | 3,281  | 3,839  | 2,601  | 3,604  | 3,660  | 3,589  |
| Indiana, Michigan.....                                | 164    | 289    | 1,250  | 1,987  | 2,940  | 3,813  | 3,350  | 4,120  | 4,377  | 4,202  |
| Wisconsin, Minnesota.....                             | 185    | 351    | 307    | 373    | 711    | 725    | 357    | 468    | 537    | 456    |
| All other.....  | 798    | 1,182  | 1,117  | 741    | 1,520  | 1,274  | 1,170  | 1,267  | 1,260  | 1,474  |
| By disposition:                                       |        |        |        |        |        |        |        |        |        |        |
| For sale.....   | (1)    | (1)    | (1)    | 8,583  | 10,724 | 10,522 | 8,411  | 8,991  | 9,760  | 9,494  |
| For maker's use.....                                  | (1)    | (1)    | (1)    | 21,333 | 26,202 | 29,839 | 22,995 | 27,710 | 29,612 | 27,072 |
| By kinds:   |        |        |        |        |        |        |        |        |        |        |
| Basic.....  | 1,072  | 4,105  | 9,085  | 13,093 | 16,738 | 19,796 | 15,999 | 19,667 | 21,168 | 19,357 |
| Bessemer.....   | 7,979  | 12,407 | 11,246 | 10,523 | 12,062 | 11,678 | 8,172  | 9,419  | 10,042 | 9,106  |
| Foundry (incl. ferrosilicon).....                     | 3,376  | 4,758  | 5,260  | 4,844  | 5,958  | 6,470  | 5,623  | 5,410  | 5,753  | 5,783  |
| Malleable.....  | 173    | 635    | 843    | 830    | 1,311  | 1,571  | 973    | 1,554  | 1,682  | 1,700  |
| Forge.....  | 793    | 728    | 564    | 316    | 318    | 327    | 256    | 241    | 216    | 145    |
| Ferromanganese, spiegel-<br>eisen, and all other..... | 395    | 359    | 306    | 310    | 539    | 520    | 382    | 409    | 511    | 476    |
| Pig iron and ferro-alloys by<br>fuels:                |        |        |        |        |        |        |        |        |        |        |
| Coke <sup>1</sup> .....                               | 11,728 | 20,965 | 26,258 | 29,535 | 36,300 | 40,097 | 31,193 | 36,504 | 39,209 | 36,401 |
| Anthracite.....                                       | 1,677  | 1,675  | 649    | 85     | 303    | 13     |        |        |        |        |
| Charcoal.....   | 384    | 353    | 397    | 296    | 323    | 251    | 213    | 196    | 164    | 165    |
| Materials used:                                       |        |        |        |        |        |        |        |        |        |        |
| Iron ore, briquettes, etc.....                        | 24,131 | 41,525 | 51,739 | 55,137 | 66,450 | 72,312 | 55,675 | 65,450 | 68,228 | (1)    |
| Cinder, scale, etc.....                               | 1,600  | (1)    | 2,800  | 4,483  | 4,986  | 5,430  | 4,602  | 5,017  | 6,386  | (1)    |
| Coke and bituminous coal—<br>1,000 short tons.....    | (1)    | (1)    | (1)    | 33,329 | 42,046 | 44,819 | 34,335 | 39,296 | 39,709 | (1)    |
| Limestone.....  | 7,422  | 11,627 | 14,528 | 14,790 | 17,825 | 17,985 | 13,113 | 15,154 | 15,364 | (1)    |
| Total number of furnaces.....                         | 406    | 424    | 473    | 445    | 452    | 432    | 425    | 395    | 379    | (1)    |
| Furnaces in blast Dec. 31.....                        | 232    | 313    | 206    | 310    | 216    | 239    | 235    | 238    | 210    | (1)    |

<sup>1</sup> Not available.

<sup>2</sup> Includes pig iron and ferro-alloys made in electric furnaces.

<sup>3</sup> Materials consumed in manufacture of pig iron only.

Source of Tables 695 and 696: American Iron and Steel Institute.

# MINERAL PRODUCTS

## 697.—PRODUCTION OF STEEL INGOTS AND CASTINGS, BY GRADE

[NOTE.—All figures in long tons. Blank spaces indicate that figures are not available]

| Year | Total      | Bessemer   | Open hearth |            |           | Crucible | Electric | Miscellaneous |
|------|------------|------------|-------------|------------|-----------|----------|----------|---------------|
|      |            |            | Total       | Basic      | Acid      |          |          |               |
| 1890 | 4,277,071  | 3,688,871  | 513,232     |            |           | 71,178   |          | 2,798         |
| 1900 | 10,188,329 | 6,684,770  | 3,398,135   | 3,645,001  | 853,044   | 100,562  |          | 4,963         |
| 1905 | 20,023,947 | 10,941,375 | 8,971,376   | 7,815,728  | 1,155,648 | 102,233  |          | 8,963         |
| 1910 | 26,004,919 | 9,412,772  | 16,504,609  | 16,292,329 | 1,212,180 | 122,303  | 52,141   | 3,194         |
| 1915 | 32,151,036 | 8,287,213  | 23,879,102  | 22,308,725 | 1,370,377 | 113,782  | 69,412   | 1,327         |
| 1920 | 42,132,934 | 8,883,087  | 32,671,896  | 31,375,723 | 1,296,172 | 72,265   | 502,152  | 2,333         |
| 1924 | 37,931,939 | 5,869,690  | 31,577,350  | 30,719,523 | 857,827   | 22,473   | 432,537  |               |
| 1925 | 45,393,524 | 6,723,963  | 38,034,488  | 37,087,342 | 947,146   | 19,562   | 613,512  |               |
| 1926 | 48,293,783 | 6,934,568  | 40,691,979  | 39,583,315 | 1,038,664 | 15,493   | 651,723  |               |
| 1927 | 44,935,185 | 6,191,727  | 38,086,335  | 37,144,265 | 924,067   | 9,086    | 696,087  |               |

Source: American Iron and Steel Institute.

## No. 698.—PRODUCTION OF ROLLED AND MISCELLANEOUS STEEL PRODUCTS

[NOTE.—All figures in thousands of long tons unless specified. Blank spaces indicate figures not available]

|  | 1905          | 1910          | 1915          | 1920          | 1924          | 1925          | 1926          | 1927          |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Rolled products, total</b>                | <b>16,540</b> | <b>21,091</b> | <b>24,593</b> | <b>23,348</b> | <b>28,086</b> | <b>32,387</b> | <b>35,496</b> | <b>32,579</b> |
| Rails  | 2,376         | 3,636         | 2,904         | 2,604         | 2,423         | 2,783         | 3,319         | 2,986         |
| Bessemer                                     | 2,192         | 1,894         | 327           | 143           | 16            | 10            | 13            | 1             |
| Open hearth                                  | 183           | 1,751         | 1,775         | 2,334         | 2,306         | 2,662         | 3,106         | 2,713         |
| Re-rolled                                    |               |               | 102           | 127           | 110           | 84            | 97            | 67            |
| Sheets and plates                            | 2,532         | 4,955         | 6,078         | 6,323         | 8,088         |               | 10,590        | 8,628         |
| Universal                                    |               |               | 935           | 1,250         | 1,002         | 1,196         | 1,408         | 1,345         |
| Sheared                                      |               |               | 1,923         | 3,505         | 2,147         | 2,557         | 2,794         | 3,470         |
| Black sheets <sup>1</sup>                    |               |               | 1,837         | 2,886         | 3,266         | 4,097         | 4,237         | 3,979         |
| Black plates for lining                      |               |               | 1,068         | 1,449         | 1,415         | 1,632         |               |               |
| Other black-plate specialties                |               |               | 270           | 247           | 257           | 325           | 2,000         | 1,928         |
| Nail and spike plate                         | 65            | 45            | 32            | 21            | 22            | 22            | 17            | 16            |
| Wire rods                                    | 1,809         | 2,242         | 3,096         | 3,197         | 2,523         | 2,845         | 2,722         | 2,770         |
| Structural shapes                            | 1,661         | 2,267         | 2,437         | 3,307         | 3,284         | 3,604         | 3,912         | 2,743         |
| Merchant bars                                | 2,594         | 3,786         | 4,131         | 6,130         | 4,281         | 5,650         | 5,474         | 4,370         |
| Skelp  | 1,436         | 1,628         | 2,299         | 3,220         | 3,171         | 3,230         | 3,763         | 3,019         |
| Flats  |               | 262           | 262           | 333           | 179           | 205           | 190           | 175           |
| Hard and cotton ties                         | 446           | 425           | 438           | 389           | 294           | 356           | 356           | 323           |
| Splice and tie-plate bars                    |               |               | 526           | 576           | 630           | 623           | 954           | 863           |
| Round forging blooms, billets, etc.          | 42            | 460           | 651           | 447           | 347           | 345           | 363           | 346           |
| All other rolled products                    | 681           | 1,715         | 2,206         | 2,846         | 2,835         | 3,726         | 3,906         | 3,977         |
| <b>Miscellaneous products:</b>               |               |               |               |               |               |               |               |               |
| Tin plate (million pounds)                   |               | 1,450         | 2,202         | 3,080         | 2,975         | 3,459         | 3,760         | 3,513         |
| Tern plates (million pounds)                 |               | 168           | 163           | 168           | 203           | 255           | 242           | 235           |
| Galvanized sheets (million pounds)           |               |               | 1,552         | 1,871         | 2,229         | 2,630         | 2,789         | 2,766         |
| Galvanized formed products (million pounds)  |               |               | 112           | 144           | 156           | 178           | 155           | 169           |
| Wire nails (thousands of kegs <sup>2</sup> ) | 10,855        | 12,705        | 14,583        | 16,450        | 15,101        | 15,454        |               | 14,390        |
| Cut nails (thousands of kegs <sup>2</sup> )  | 1,358         | 1,005         | 775           | 845           | 742           | 738           | 662           | 708           |
| Wrought pipe, incl. boiler tubes             |               |               | 1,920         | 3,003         | 2,524         | 3,031         | 3,408         | 3,117         |
| Boiler tubes                                 |               |               | 97            | 119           | 56            | 68            | 61            | 47            |
| Seamless steel tubes                         |               |               | 140           | 292           | 261           | 568           | 778           | 954           |
| Cast-iron pipe (1,000 short tons)            |               |               | 1,215         | 837           | 1,841         | 1,925         | 2,004         | 2,043         |
| Forgings made by rolling mills               |               | 320           | 524           | 540           | 350           | 383           | 432           | 334           |

<sup>1</sup> Rolled on sheet or jobbing mills.

<sup>2</sup> Small structural forms not included.

<sup>3</sup> Of 100 pounds.

Source: American Iron and Steel Institute.



**No. 699.—PRODUCTION, EXPORTS, AND IMPORTS OF FINISHED ROLLED IRON AND STEEL**

[NOTE.—All figures in long tons. Blank spaces indicate that figures are not available]

| Calendar year | Total production, finished rolled products | Rails      |         |         | Plates and sheets |           |                     |
|---------------|--|------------|---------|---------|-------------------|-----------|---------------------|
|               |  | Production | Exports | Imports | Production        | Exports   | Imports             |
| 1875          |  | 707,600    | 1,080   | 17,364  |                   |           |                     |
| 1880          |  | 1,305,212  | 958     | 259,543 |                   |           |                     |
| 1885          |  | 976,978    | 7,757   | 2,189   |                   |           |                     |
| 1890          | 6,022,875                                  | 1,885,307  | 16,947  | 204     | 809,981           |           |                     |
| 1895          | 6,189,574                                  | 1,306,135  | 15,599  | 1,447   | 991,459           |           |                     |
| 1900          | 9,487,443                                  | 2,385,682  | 361,619 | 1,448   | 1,794,528         | 54,865    | 5,143               |
| 1905          | 16,840,015                                 | 3,375,929  | 295,023 | 17,278  | 3,532,230         | 75,097    | 2,336               |
| 1907          | 19,864,822                                 | 3,633,654  | 338,906 | 3,752   | 4,248,832         | 122,696   | 3,748               |
| 1908          | 11,828,193                                 | 1,921,015  | 196,510 | 1,719   | 2,649,693         | 104,993   | 2,629               |
| 1909          | 19,644,600                                 | 3,023,845  | 299,540 | 1,542   | 4,234,346         | 180,047   | 4,720               |
| 1910          | 21,621,279                                 | 3,636,031  | 353,180 | 7,861   | 4,955,484         | 274,521   | 6,152               |
| 1911          | 19,039,171                                 | 2,822,790  | 420,874 | 3,414   | 4,488,049         | 372,373   | 2,453               |
| 1912          | 24,656,841                                 | 3,327,915  | 446,473 | 3,780   | 5,875,080         | 546,521   | 3,299               |
| 1913          | 24,791,243                                 | 3,502,780  | 460,553 | 10,408  | 5,751,037         | 463,426   | 2,893               |
| 1914          | 18,370,196                                 | 1,945,095  | 174,630 | 22,571  | 4,719,246         | 280,095   | 4,310               |
| 1915          | 24,392,924                                 | 2,204,203  | 391,379 | 78,525  | 6,077,694         | 419,604   | 1,420               |
| 1916          | 32,380,389                                 | 2,854,518  | 540,828 | 26,299  | 7,453,980         | 515,558   | 1,730               |
| 1917          | 33,067,700                                 | 2,944,161  | 512,669 | 9,263   | 8,267,616         | 851,529   | 1,749               |
| 1918          | 31,155,754                                 | 2,540,892  | 453,537 | 8,705   | 8,799,135         | 854,136   | 1,517               |
| 1919          | 25,101,544                                 | 2,203,843  | 652,443 | 17,008  | 7,372,814         | 1,042,697 | 1,095               |
| 1920          | 32,347,863                                 | 2,604,116  | 594,628 | 45,684  | 9,337,680         | 1,273,558 | 1,792               |
| 1921          | 14,774,006                                 | 2,178,818  | 321,822 | 22,048  | 4,260,574         | 607,370   | 1,976               |
| 1922          | 26,452,004                                 | 2,171,776  | 277,090 | 26,629  | 7,968,397         | 439,417   | <sup>1</sup> 1,947  |
| 1923          | 33,277,076                                 | 2,904,516  | 267,409 | 29,706  | 9,497,717         | 386,405   | <sup>1</sup> 4,572  |
| 1924          | 28,086,435                                 | 2,433,332  | 208,496 | 43,358  | 8,087,883         | 360,540   | <sup>1</sup> 6,066  |
| 1925          | 33,386,960                                 | 2,785,257  | 151,690 | 36,872  | 9,807,659         | 386,912   | <sup>1</sup> 4,480  |
| 1926          | 35,495,892                                 | 3,217,649  | 187,557 | 55,212  | 10,529,056        | 517,611   | <sup>1</sup> 15,016 |
| 1927          | 32,879,031                                 | 2,806,486  | 177,586 | 15,401  | 9,627,734         | 468,522   | <sup>1</sup> 19,700 |

| Calendar year | Nail-plate production | Wire rods  |         |         | Structural shapes      |         |         | All other finished rolled production |
|---------------|-----------------------|------------|---------|---------|------------------------|---------|---------|--------------------------------------|
|               |                       | Production | Exports | Imports | Production             | Exports | Imports |                                      |
| 1890          | 251,828               | 457,099    |         |         |                        |         |         | 2,618,660                            |
| 1895          | 95,085                | 791,130    |         |         | 517,920                |         |         | 2,497,845                            |
| 1900          | 70,245                | 846,291    | 10,652  | 21,092  | 815,161                | 67,714  |         | 3,575,536                            |
| 1905          | 64,542                | 1,808,688  | 6,514   | 17,616  | 1,660,519              | 84,234  | 16,147  | 6,398,107                            |
| 1907          | 52,027                | 2,017,583  | 10,697  | 17,076  | 1,940,352              | 138,442 | 2,294   | 7,972,374                            |
| 1908          | 45,747                | 1,816,949  | 7,412   | 11,209  | 1,083,181              | 116,881 | 3,623   | 4,311,608                            |
| 1909          | 63,746                | 2,335,685  | 20,142  | 10,544  | 2,275,562              | 90,830  | 6,146   | 7,711,506                            |
| 1910          | 45,294                | 2,241,830  | 22,869  | 20,374  | <sup>2</sup> 2,266,890 | 146,721 | 14,897  | 8,475,750                            |
| 1911          | 48,522                | 2,450,453  | 22,641  | 15,483  | <sup>2</sup> 1,912,367 | 223,493 | 5,343   | 7,316,990                            |
| 1912          | 45,331                | 2,653,553  | 64,978  | 15,069  | 2,846,487              | 288,164 | 3,120   | 9,906,475                            |
| 1913          | 37,503                | 2,464,807  | 61,637  | 16,096  | 3,004,972              | 403,264 | 11,659  | 10,030,144                           |
| 1914          | 38,573                | 2,431,714  | 61,856  | 6,954   | 2,031,124              | 182,395 | 10,145  | 7,294,444                            |
| 1915          | 31,929                | 3,095,907  | 165,014 | 5,317   | 2,437,003              | 232,139 | 1,494   | 10,546,188                           |
| 1916          | 30,068                | 3,518,746  | 158,284 | 4,130   | 3,029,964              | 300,594 | 1,473   | 15,493,093                           |
| 1917          | 22,864                | 3,137,138  | 181,941 | 1,060   | 3,110,000              | 294,150 | 6,216   | 15,565,921                           |
| 1918          | 18,310                | 2,562,390  | 148,523 | 7,677   | 2,849,969              | 232,729 | 3,504   | 14,385,058                           |
| 1919          | 12,832                | 2,538,476  | 118,010 | 342     | 2,614,036              | 360,787 | 1,154   | 10,359,543                           |
| 1920          | 20,577                | 3,136,907  | 116,775 | 5,488   | 3,306,748              | 493,633 | 1,685   | 13,941,835                           |
| 1921          | 14,573                | 1,594,330  | 18,953  | 917     | 1,272,624              | 297,022 | 777     | 5,483,087                            |
| 1922          | 21,969                | 2,654,741  | 40,424  | 1,735   | 2,718,768              | 167,585 | 7,823   | 10,916,353                           |
| 1923          | 22,833                | 3,075,892  | 40,868  | 3,948   | 3,405,197              | 199,021 | 10,674  | 14,370,921                           |
| 1924          | 22,175                | 2,522,545  | 18,762  | 6,851   | 3,283,708              | 167,910 | 43,245  | 11,736,792                           |
| 1925          | 22,038                | 2,844,656  | 21,207  | 7,988   | 3,004,130              | 169,251 | 77,291  | 14,323,220                           |
| 1926          | 17,337                | 2,722,082  | 19,646  | 10,075  | 3,911,663              | 233,060 | 121,100 | 15,098,155                           |
| 1927          | 18,051                | 2,770,271  | 16,128  | 17,990  | 3,742,445              | 215,228 | 161,848 | 13,914,044                           |

<sup>1</sup> Includes skelp.<sup>2</sup> Production of small structural forms not included.

Source: American Iron and Steel Institute (exports and imports compiled from Government statistics).

# No. 700.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES

[Note.—The overlapping of the industries shown in this table results in considerable duplication. Products of steel works and rolling mills listed under Groups B, C, and D, if used in the same works, are not included, but for items under Group A the quantity of all finished products is shown, although no values have been included for such products consumed in the same works, these being included under Group E. The products chiefly used further in manufacture are wire rods, plates and sheets, flasks, and for tinning, and skelp. The data given under "Wire" and "Tin and terplate" include products of these departments of steel works and rolling mills. The original census tables contain much fuller detail as to the disposition of semifinished products.]

| Industry and product   | Quantity in thousands of unit specified |               |               |               | Value in thousands of dollars |                  |                  |
|--|---|---------------|---------------|---------------|-------------------------------|------------------|------------------|
|  | Unit                                    | 1921          | 1923          | 1925          | 1921                          | 1923             | 1925             |
| <b>STEEL WORKS AND ROLLING MILLS</b>   |   |               |               |               |                               |                  |                  |
| All products, total value. . . . .   |   |               |               |               | 1,481,859                     | 3,154,335        | 2,944,008        |
| <b>A. Finished rolled products and forgings, total.</b>                                | <b>Ton.</b>                             | <b>10,694</b> | <b>25,377</b> | <b>32,808</b> | <b>668,244</b>                | <b>1,545,528</b> | <b>1,378,538</b> |
| Rails. . . . .   | do.                                     | 2,100         | 2,748         | 2,703         | 96,630                        | 113,644          | 114,627          |
| Rail joints and fastenings. . . . .  | do.                                     | 383           | 772           | 817           | 24,330                        | 43,143           | 46,720           |
| Structural shapes (not fabricated). . . . .  | do.                                     | 1,291         | 3,501         | 3,865         | 57,274                        | 161,750          | 154,614          |
| Reinforcing steel bars. . . . .  | do.                                     | 202           | 617           | 647           | 10,208                        | 32,446           | 32,284           |
| Merchant bars, mill shafting, etc. . . . .   | do.                                     |               |               |               |                               |                  |                  |
| Steel. . . . .   | do.                                     | 1,418         | 4,076         | 4,174         | 86,308                        | 316,517          | 291,006          |
| Iron. . . . .  | do.                                     | 214           | 411           | 271           | 14,892                        | 20,419           | 14,406           |
| Bolt and nut rods, spike and chain rods, etc. . . . .                                  | do.                                     | 281           | 491           | 380           | 1,784                         | 4,208            | 3,311            |
| Wire rods. . . . .   | do.                                     | 1,578         | 9,091         | 2,999         | 33,063                        | 62,073           | 54,713           |
| Plates No. 12 and thicker. . . . .   | do.                                     | 1,722         | 4,305         | 3,053         | 92,525                        | 220,474          | 180,110          |
| Sheets No. 13 and thinner. . . . .   | do.                                     | 1,440         | 3,549         | 3,080         | 84,214                        | 238,693          | 204,426          |
| Black plates (or sheets for tin-plate). . . . .  | do.                                     | 791           | 1,489         | 1,648         | 3,627                         | 10,267           |                  |
| Skelp. . . . .   | do.                                     | 2,312         | 3,047         | 3,446         | 31,652                        | 66,215           | 54,611           |
| Hoops, bands, strips, and cotton ties. . . . .   | do.                                     | 420           | 1,405         | 1,734         | 32,091                        | 102,565          | 86,043           |
| Nail and tack plate. . . . .   | do.                                     | 20            | 42            | 31            | 582                           | 1,496            | 807              |
| Axles. . . . .   | do.                                     | 36            | 208           | 135           | 3,385                         | 15,408           | 11,387           |
| Armor plate and ordnance. . . . .  | do.                                     | 71            | 9             | 1             | 39,673                        | 1,921            | 424              |
| Car and locomotive wheels. . . . .   | do.                                     | 83            | 243           | 147           | 10,775                        | 23,345           | 13,345           |
| All other rolled and forged iron and steel products. . . . .                           | do.                                     | 415           | 1,059         | 1,097         | 37,267                        | 97,791           | 71,254           |
| <b>B. Semifinished rolled products (for sale or transfer), total.</b>                  | <b>do.</b>                              | <b>4,718</b>  | <b>11,434</b> | <b>11,388</b> | <b>175,748</b>                | <b>465,460</b>   | <b>405,411</b>   |
| Blooms, billets, and slabs. . . . .  | do.                                     | 3,739         | 7,133         | 6,828         | 102,303                       | 280,092          | 241,121          |
| Reinforcing blooms, billets, and slabs, for forging. . . . .                           | do.                                     | 30            | 135           | 153           | 1,441                         | 3,522            | 7,281            |
| Sheet and tin-plate bar. . . . .   | do.                                     | 1,005         | 4,063         | 4,330         | 69,622                        | 159,811          | 151,735          |
| Muck and scrap bar. . . . .  | do.                                     | 31            | 99            | 54            | 1,941                         | 6,063            | 2,728            |
| All other. . . . .   | do.                                     | 11            | 4             | 3             | 539                           | 379              | 773              |
| <b>C. Unrolled steel (for sale or transfer), total.</b>                                | <b>do.</b>                              | <b>746</b>    | <b>1,606</b>  | <b>1,473</b>  | <b>68,039</b>                 | <b>181,496</b>   | <b>160,774</b>   |
| Ingot. . . . .   | do.                                     | 331           | 553           | 635           | 14,379                        | 18,895           | 19,310           |
| Direct steel castings. . . . .   | do.                                     | 415           | 1,064         | 938           | 73,660                        | 162,611          | 144,464          |
| <b>D. Scrap iron and steel (for sale or transfer).</b>                                 | <b>do.</b>                              | <b>1,185</b>  | <b>2,218</b>  | <b>2,219</b>  | <b>16,783</b>                 | <b>37,101</b>    | <b>37,657</b>    |
| <b>E. All other (including value added to rolled products by further manufacture).</b> | <b>do.</b>                              |               |               |               | <b>541,694</b>                | <b>934,741</b>   | <b>968,773</b>   |
| <b>WIRE (all metals)</b>   |   |               |               |               |                               |                  |                  |
| All products, total value. . . . .   |   |               |               |               | 251,336                       | 466,654          | 464,396          |
| <b>IRON AND STEEL WIRE<sup>1</sup></b>   | <b>Ton.</b>                             | <b>1,725</b>  | <b>3,125</b>  | <b>2,963</b>  | <b>33,601</b>                 | <b>73,909</b>    | <b>71,522</b>    |
| Plain. . . . .   | do.                                     | 530           | 952           | 804           | 10,136                        | 23,011           | 17,306           |
| Galvanized. . . . .  | do.                                     | 9             | 96            | 43            | 2,093                         | 6,383            | 3,148            |
| Cold-rolled flat. . . . .  | do.                                     | 60            | 142           | 156           | 8,672                         | 19,694           | 14,830           |
| Coiled wire. . . . .   | Lb.                                     | 305,464       | 697,464       | 504,429       | 35,603                        | 81,786           | 61,517           |
| Brass wire. . . . .  | do.                                     | 21,972        | 68,038        | 64,139        | 3,974                         | 16,460           | 12,236           |
| Other metal wire. . . . .  | do.                                     | 19,849        | 29,461        | 45,589        | 5,487                         | 9,903            | 11,693           |

<sup>1</sup> Not comparable with previous years, which do not include quantities consumed in same works.

<sup>2</sup> Including considerable quantities consumed where manufactured, for which no values are given. (See headnote.)

**No. 700.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS, AND OF THE WIRE TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES—Continued**

| Industry and product                          | Quantity in thousands of unit specified |           |           |           | Value in thousands of dollars |         |         |
|---|---|-----------|-----------|-----------|-------------------------------|---------|---------|
|   | Unit                                    | 1921      | 1922      | 1923      | 1921                          | 1922    | 1923    |
| <b>WIRE—continued</b>                         |   |           |           |           |                               |         |         |
| <b>Fabricated wire products:</b>              |   |           |           |           |                               |         |         |
| <b>Iron and steel—</b>                        |   |           |           |           |                               |         |         |
| Nails and spikes.....                         | Keg <sup>1</sup>                        | 11,298    | 17,376    | 15,234    | 41,806                        | 61,973  | 51,126  |
| Brads and tacks.....                          | Lb.                                     | 2,646     | 3,495     | 5,236     | 329                           | 380     | 577     |
| Staples.....                                  | do.                                     | 41,735    | 62,618    | 51,469    | 1,836                         | 2,278   | 1,755   |
| Barbed wire.....                              | Ton                                     | 139       | 254       | 241       | 11,051                        | 19,123  | 16,167  |
| Rope, cable, and strand.....                  | do.                                     | 57        | 114       | 115       | 14,826                        | 29,427  | 30,468  |
| Woven-wire and netting.....                   | do.                                     | 242       | 413       | 325       | 24,642                        | 37,364  | 27,576  |
| Other woven-wire products.....                | do.                                     | 23        | 15        | 43        | 5,344                         | 5,403   | 6,361   |
| Other fabricated wire products.....           | do.                                     | 62        | 100       | 131       | 6,639                         | 11,365  | 12,462  |
| <b>Copper</b>                                 |   |           |           |           |                               |         |         |
| Insulated wire.....                           | Lb.                                     | 90,680    | 135,718   | 135,756   | 17,463                        | 28,024  | 29,199  |
| Insulated cable.....                          | do.                                     | 41,200    | 173,908   | 91,725    | 8,506                         | 36,098  | 23,704  |
| Rubber insulated.....                         | Ft.                                     |           |           | 46,588    |                               |         | 9,077   |
| Paper insulated.....                          | Lb.                                     | 33,144    | 79,184    | 67,265    | 7,219                         | 18,000  | 18,531  |
| Other insulated.....                          | Ft.                                     |           |           | 39,184    |                               |         | 4,309   |
| Other fabricated products.....                | Lb.                                     | 8,116     | 50,754    | 15,197    | 1,287                         | 9,873   | 2,765   |
|   | Ft.                                     |           |           | 7,404     |                               |         | 4,868   |
|   |   |           |           |           | 7,325                         | 8,216   | 8,884   |
| All other products.....                       |   |           |           |           | 6,402                         | 12,797  | 14,488  |
| <b>TIN PLATE AND TERNEPLATE</b>               |   |           |           |           |                               |         |         |
| All products, total value.....                |   |           |           |           | 99,129                        | 165,987 | 190,918 |
| Tin plate.....                                | Lb.                                     | 1,638,373 | 3,159,261 | 3,480,401 | 90,531                        | 154,636 | 179,382 |
| Terneplate.....                               | do.                                     | 87,408    | 137,301   | 181,436   | 5,651                         | 7,840   | 9,229   |
| All other products.....                       | do.                                     |           |           |           | 2,947                         | 3,111   | 2,307   |
| <b>CAST-IRON PIPE INDUSTRY</b>                |   |           |           |           |                               |         |         |
| All products, total value.....                |   |           |           |           | 44,391                        | 92,674  | 100,388 |
| Gas and water pipe and fittings.....          | Ton                                     | 557       | 1,140     | 1,437     | 25,541                        | 63,916  | 71,192  |
| Sanitary and plumbers' pipe and fittings..... | do.                                     | 211       | 425       | 469       | 11,656                        | 24,033  | 27,579  |
| Castings, other.....                          | do.                                     | 24        | 23        | 26        | 2,833                         | 2,810   | 2,591   |
| All other.....                                |   |           |           |           | 1,291                         | 1,918   | 2,726   |

<sup>1</sup> Of 100 pounds.

<sup>2</sup> Includes 44,000,000 pounds not segregated as to kind of insulation, and valued at \$8,194,622.

Source: Bureau of the Census, Department of Commerce.

**No. 701.—AGGREGATE DOMESTIC EXPORTS OF HEAVY IRON AND STEEL<sup>1</sup>**

[NOTE.—Prior to 1922, the small items for which quantity are not available are excluded while in later years these items are included. Ferromanganese is included for all years]

[Quantities in thousands of long tons; values in thousands of dollars]

| Year | Quantity | Value  | Year | Quantity | Value   | Year      | Quantity | Value   |
|------|----------|--------|------|----------|---------|-----------|----------|---------|
| 1895 | 52       |        | 1909 | 1,244    | 50,777  | 1920      | 4,935    | 458,376 |
| 1896 | 89       |        | 1910 | 1,538    | 63,426  | 1921      | 2,213    | 214,830 |
| 1900 | 1,154    | 42,518 | 1911 | 2,168    | 86,699  | 1922      | 1,993    | 136,334 |
| 1901 | 701      | 29,050 | 1912 | 2,948    | 112,535 | 1923      | 2,010    | 167,247 |
| 1902 | 372      | 15,889 | 1913 | 2,746    | 108,875 | 1924      | 1,805    | 150,494 |
| 1903 | 327      | 14,533 | 1914 | 1,660    | 63,409  | 1925      | 1,763    | 144,362 |
| 1904 | 1,168    | 35,248 | 1915 | 3,533    | 140,903 | 1926      | 2,167    | 174,145 |
| 1905 | 1,010    | 33,813 | 1916 | 6,101    | 353,971 | 1927      | 2,183    | 160,609 |
| 1906 | 1,326    | 52,215 | 1917 | 6,434    | 567,041 | Per cent  |          |         |
| 1907 | 1,302    | 60,046 | 1918 | 5,375    | 558,279 | change    |          |         |
| 1908 | 964      | 43,897 | 1919 | 4,400    | 410,164 | from 1920 | + 8      | -7.8    |

<sup>1</sup> Beginning with 1922 the small item "steam and hot water heating boilers and radiators" is omitted.

Source: Bureau of Foreign and Domestic Commerce.

## No. 702.—EXPORTS OF HEAVY IRON AND STEEL PRODUCTS

[NOTE.—This and the following table exclude the highly elaborated manufactures of iron and steel.]

| Articles                                       | Quantity (long tons) |           |           |           | Value (thousands of dollars) |         |         |         |
|--|----------------------|-----------|-----------|-----------|------------------------------|---------|---------|---------|
|  | 1924                 | 1925      | 1926      | 1927      | 1924                         | 1925    | 1926    | 1927    |
| Total  | 1,306,268            | 1,769,551 | 2,166,550 | 2,183,157 | 150,484                      | 144,263 | 174,143 | 189,689 |
| Pig iron, not including ferroalloys            | 41,483               | 32,674    | 25,206    | 50,992    | 989                          | 726     | 324     | 1,089   |
| Ferromanganese and spiegeleisen                | 3,165                | 5,496     | 693       | 1,641     | 92                           | 161     | 44      | 62      |
| Ferrosilicon                                   | 775                  |           |           |           | 29                           |         |         |         |
| Scrap  | 97,748               | 82,573    | 104,838   | 239,209   | 1,631                        | 1,377   | 1,794   | 3,795   |
| Ingots, blooms, billets, sheet bars, and skelp | 96,155               | 87,479    | 100,954   | 96,614    | 4,661                        | 3,892   | 4,335   | 4,344   |
| Iron bars                                      | 5,054                | 4,610     | 5,171     | 3,872     | 614                          | 425     | 445     | 345     |
| Steel bars                                     | 99,534               | 111,950   | 137,771   | 111,126   | 7,190                        | 7,606   | 8,936   | 6,889   |
| Alloy steel bars                               | 2,742                | 3,692     | 4,946     | 6,150     | 613                          | 703     | 923     | 916     |
| Wire rods                                      | 18,702               | 21,207    | 19,646    | 16,127    | 1,048                        | 1,082   | 1,090   | 889     |
| Galvanized sheets                              | 108,162              | 160,269   | 178,635   | 162,177   | 11,040                       | 16,842  | 18,352  | 15,498  |
| Plates, iron and steel                         | 85,048               | 104,448   | 138,380   | 139,629   | 5,248                        | 6,205   | 7,902   | 7,026   |
| Black steel sheets                             | 148,742              | 95,433    | 175,740   | 152,523   | 13,302                       | 8,211   | 14,196  | 12,196  |
| Black iron sheets                              | 11,005               | 14,771    | 19,253    | 17,145    | 1,239                        | 1,473   | 2,024   | 1,683   |
| Hoops, band, and strip steel                   | 34,141               | 40,938    | 46,914    | 43,101    | 2,943                        | 3,124   | 3,453   | 3,061   |
| Tin plate, terneplate, etc.                    | 160,997              | 161,335   | 250,782   | 253,850   | 19,430                       | 19,587  | 28,766  | 29,032  |
| Structural shapes, plain material              | 102,406              | 104,339   | 157,121   | 148,176   | 5,900                        | 5,470   | 7,655   | 6,554   |
| Structural materials, fabricated               | 70,796               | 73,463    | 77,285    | 69,424    | 6,978                        | 5,793   | 6,952   | 5,913   |
| Metal lath                                     | 2,309                | 3,441     | 4,376     | 4,603     | 419                          | 577     | 729     | 778     |
| Steel rails                                    | 208,496              | 181,680   | 187,567   | 177,593   | 7,961                        | 6,155   | 7,643   | 6,768   |
| Iron fastenings, switches, frogs, etc.         | 36,113               | 35,367    | 41,771    | 34,371    | 3,496                        | 3,230   | 3,344   | 3,136   |
| Boiler tubes and welded pipe                   | 206,951              | 229,792   | 275,452   | 248,474   | 20,969                       | 22,818  | 26,527  | 23,289  |
| Cast iron pipe and fittings                    | 28,771               | 32,306    | 34,111    | 27,975    | 4,477                        | 3,901   | 4,054   | 3,439   |
| Malleable-iron screwed pipe fittings           | 11,024               | 9,886     | 12,307    | 10,064    | 2,856                        | 2,425   | 3,434   | 2,086   |
| Barbed wire and woven-wirefencing              | 90,444               | 71,117    | 50,721    | 52,396    | 6,970                        | 5,734   | 3,719   | 3,763   |
| Plain wire                                     | 37,047               | 35,598    | 31,812    | 35,435    | 3,302                        | 3,190   | 2,710   | 2,643   |
| Wire cloth and screening                       | 1,631                | 1,554     | 1,960     | 2,252     | 695                          | 744     | 746     | 827     |
| Wire rope                                      | 4,187                | 4,376     | 4,779     | 4,346     | 1,220                        | 1,258   | 1,446   | 1,342   |
| Insulated wire and cable                       | 978                  | 642       | 738       | 492       | 398                          | 265     | 279     | 191     |
| Wire, other, and manufactures thereof          | 11,225               | 8,376     | 8,983     | 9,559     | 2,150                        | 1,991   | 1,983   | 1,804   |
| Wire nails                                     | 21,685               | 9,528     | 11,743    | 9,991     | 1,034                        | 534     | 856     | 763     |
| Nails other than wire, including tacks         | 7,886                | 9,237     | 7,925     | 6,431     | 1,605                        | 1,776   | 1,635   | 1,656   |
| Horseshoes                                     | 963                  | 709       | 660       | 575       | 123                          | 116     | 102     | 91      |
| Bolts, nuts, rivets, and washers <sup>1</sup>  | 17,496               | 16,992    | 13,221    | 12,228    | 2,931                        | 2,819   | 2,409   | 2,199   |
| Car wheels and axles                           | 22,329               | 19,935    | 16,679    | 16,662    | 1,946                        | 1,724   | 1,467   | 1,273   |
| Iron castings                                  | 8,460                | 10,412    | 8,839     | 11,725    | 1,447                        | 1,421   | 1,276   | 1,353   |
| Steel castings                                 | 5,679                | 4,210     | 7,566     | 7,003     | 1,409                        | 1,122   | 1,829   | 1,808   |
| Forgings                                       | 1,714                | 2,171     | 2,645     | 4,867     | 428                          | 556     | 583     | 827     |

<sup>1</sup> Except track.

## No. 703.—IRON AND STEEL: EXPORTS BY DESTINATIONS

[NOTE.—All figures in long tons (2,240 pounds). Products covered are those listed in Table 702.]

| Country             | 1924    | 1925    | 1927    | Country                | 1925    | 1926    | 1927    |
|---------------------|---------|---------|---------|------------------------|---------|---------|---------|
| Belgium             | 9,034   | 5,548   | 6,609   | Colombia               | 77,836  | 71,142  | 36,069  |
| France              | 9,047   | 10,393  | 4,596   | Ecuador                | 2,218   | 1,467   | 1,639   |
| Germany             | 2,488   | 1,115   | 16,794  | Peru                   | 17,695  | 37,819  | 32,207  |
| Italy               | 41,767  | 23,486  | 41,833  | Uruguay                | 5,433   | 7,508   | 11,368  |
| Netherlands         | 2,735   | 5,509   | 12,069  | Venezuela              | 35,212  | 68,116  | 45,667  |
| Norway              | 3,470   | 4,731   | 4,197   | India and Ceylon       | 25,925  | 37,336  | 28,497  |
| Spain               | 8,117   | 2,120   | 3,678   | British Malaya         | 6,719   | 15,520  | 6,444   |
| United Kingdom      | 52,261  | 68,869  | 66,316  | China                  | 56,816  | 46,054  | 53,643  |
| Canada              | 614,661 | 833,856 | 862,318 | Netherland East Indies | 25,194  | 41,628  | 35,256  |
| Central America     | 52,542  | 49,169  | 45,361  | Hong Kong              | 3,569   | 2,461   | 3,951   |
| Mexico              | 102,412 | 106,837 | 81,747  | Japan                  | 132,880 | 260,361 | 273,206 |
| British West Indies | 9,602   | 16,450  | 12,384  | Kwantung               | 1,802   | 20,247  | 19,283  |
| China               | 146,823 | 94,708  | 92,486  | Philippine Islands     | 46,596  | 57,654  | 62,343  |
| Dom. Rep. Republic  | 10,487  | 7,390   | 9,330   | Australia              | 22,543  | 23,353  | 26,670  |
| Argentina           | 87,290  | 60,105  | 82,380  | New Zealand            | 2,080   | 3,378   | 1,393   |
| Brazil              | 40,614  | 62,542  | 70,633  | British South Africa   | 23,208  | 9,393   | 10,423  |
| Chile               | 44,940  | 61,642  | 44,641  |                        |         |         |         |

Source of Tables 702 and 703: Bureau of Foreign and Domestic Commerce, Department of Commerce.

## No. 704.—IRON AND STEEL: AVERAGE ANNUAL PRICES

[Prices of pig iron, rails, and billets in dollars per long ton; other prices in dollars per 100 pounds]

| Year      | Pig iron                          |                               |   |   | Rails at<br>mills in<br>Penn-<br>syl-<br>vania <sup>1</sup> | Bes-<br>semer<br>steel<br>billets,<br>Pitts-<br>burgh | Soft-<br>steel<br>bars,<br>Pitts-<br>burgh | Iron<br>bars,<br>Pitts-<br>burgh | Tank<br>plates,<br>Pitts-<br>burgh | Beams,<br>Pitts-<br>burgh | Com-<br>posite<br>finished<br>steel |
|-----------|-----------------------------------|-------------------------------|---|---|---|---|--|----------------------------------|------------------------------------|---------------------------|-------------------------------------|
|           | Bes-<br>semer,<br>Pitts-<br>burgh | Basic,<br>The<br>Val-<br>leys | South-<br>ern,<br>No. 2,<br>Cincin-<br>nati | Local,<br>No. 2,<br>Chi-<br>cago <sup>2</sup> |   |   |  |                                  |                                    |                           |                                     |
| 1890..... | 18.87                             |                               | 15.11                                       | 16.55   | 31.78   | 30.29   |  | 1.84                             |                                    |                           |                                     |
| 1895..... | 12.72                             |                               | 10.86                                       | 11.50   | 24.33   | 18.48   |  | 1.25                             |                                    |                           |                                     |
| 1896..... | 12.14                             |                               | 10.29                                       | 11.64   | 28.00   | 18.83   |  | 1.21                             |                                    |                           |                                     |
| 1897..... | 10.13                             |                               | 9.42  | 10.68   | 18.75   | 15.08   |  | 1.10                             |                                    |                           |                                     |
| 1898..... | 10.33                             |                               | 9.46  | 11.52   | 17.62   | 15.31   | 0.95                                       | 1.07                             | 1.06                               | 1.17                      |                                     |
| 1899..... | 19.03                             |                               | 16.58                                       | 18.40   | 28.12   | 31.12   | 1.84                                       | 1.95                             | 2.21                               | 1.81                      |                                     |
| 1900..... | 19.49                             |                               | 17.04                                       | 19.47   | 32.29   | 25.06   | 1.59                                       | 2.15                             | 1.54                               | 1.91                      |                                     |
| 1902..... | 20.67                             |                               | 20.00                                       | 20.86   | 28.00   | 30.57   | 1.58                                       | 1.94                             | 1.70                               | 1.81                      |                                     |
| 1903..... | 18.98                             |                               | 17.08                                       | 19.25   | 28.00   | 27.91   | 1.56                                       | 1.77                             | 1.61                               | 1.62                      |                                     |
| 1904..... | 13.76                             |                               | 12.73                                       | 14.37   | 28.00   | 23.18   | 1.33                                       | 1.48                             | 1.54                               | 1.54                      | 1.71                                |
| 1905..... | 16.36                             | 15.25                         | 15.67                                       | 17.65   | 28.00   | 24.03   | 1.48                                       | 1.87                             | 1.66                               | 1.62                      | 1.76                                |
| 1906..... | 19.54                             | 18.10                         | 18.37                                       | 20.43   | 28.00   | 27.45   | 1.51                                       | 1.93                             | 1.61                               | 1.70                      | 1.77                                |
| 1907..... | 22.84                             | 20.87                         | 23.10                                       | 24.50   | 28.00   | 29.26   | 1.60                                       | 1.94                             | 1.70                               | 1.70                      | 1.92                                |
| 1908..... | 17.07                             | 15.16                         | 15.54                                       | 17.57   | 28.00   | 26.31   | 1.49                                       | 1.60                             | 1.64                               | 1.64                      | 1.86                                |
| 1909..... | 17.41                             | 15.48                         | 16.12                                       | 17.49   | 28.00   | 24.62   | 1.33                                       | 1.62                             | 1.42                               | 1.42                      | 1.63                                |
| 1910..... | 17.19                             | 14.76                         | 15.16                                       | 17.09   | 28.00   | 25.38   | 1.44                                       | 1.65                             | 1.47                               | 1.45                      | 1.66                                |
| 1911..... | 15.71                             | 13.07                         | 13.67                                       | 14.63   | 28.00   | 21.46   | 1.26                                       | 1.41                             | 1.31                               | 1.32                      | 1.54                                |
| 1912..... | 15.94                             | 13.92                         | 14.93                                       | 15.32   | 28.00   | 22.38   | 1.29                                       | 1.44                             | 1.33                               | 1.32                      | 1.53                                |
| 1913..... | 17.13                             | 14.71                         | 14.90                                       | 15.85   | 28.00   | 25.79   | 1.55                                       | 1.69                             | 1.50                               | 1.50                      | 1.66                                |
| 1914..... | 14.89                             | 12.87                         | 13.41                                       | 13.60   | 30.00   | 20.09   | 1.16                                       | 1.32                             | 1.14                               | 1.15                      | 1.43                                |
| 1915..... | 15.78                             | 13.74                         | 13.57                                       | 14.01   | 30.00   | 22.44   | 1.31                                       | 1.48                             | 1.31                               | 1.30                      | 1.53                                |
| 1916..... | 23.86                             | 19.76                         | 18.67                                       | 20.26   | 34.00   | 43.95   | 2.67                                       | 2.13                             | 3.53                               | 2.55                      | 2.67                                |
| 1917..... | 43.64                             | 38.90                         | 38.95                                       | 41.31   | 40.00   | 70.96   | 3.64                                       | 3.83                             | 5.88                               | 3.67                      | 4.19                                |
| 1918..... | 36.67                             | 32.50                         | 36.56                                       | 33.25   | 57.00   | 47.33   | 2.89                                       | 4.31                             | 3.24                               | 2.96                      | 3.54                                |
| 1919..... | 31.12                             | 27.65                         | 32.16                                       | 29.16   | 49.29   | 40.51   | 2.50                                       | 4.10                             | 2.72                               | 2.53                      | 3.12                                |
| 1920..... | 44.44                             | 42.21                         | 44.47                                       | 42.53   | 54.42   | 56.22   | 3.22                                       | 4.75                             | 3.28                               | 2.95                      | 3.68                                |
| 1921..... | 26.34                             | 31.74                         | 26.68                                       | 22.93   | 45.69   | 34.46   | 1.87                                       | 4.47                             | 1.93                               | 1.94                      | 2.53                                |
| 1922..... | 27.58                             | 24.20                         | 23.93                                       | 24.85   | 40.75   | 33.95   | 1.72                                       | 3.35                             | 1.72                               | 1.71                      | 2.22                                |
| 1923..... | 28.97                             | 25.81                         | 27.87                                       | 28.16   | 43.00   | 41.70   | 2.36                                       | 3.50                             | 2.43                               | 2.43                      | 2.74                                |
| 1924..... | 23.29                             | 20.24                         | 23.92                                       | 22.11   | 43.00   | 37.99   | 2.20                                       | 4.00                             | 2.12                               | 2.19                      | 2.61                                |
| 1925..... | 22.33                             | 19.59                         | 23.74                                       | 22.09   | 43.00   | 35.23   | 2.02                                       | 4.52                             | 1.91                               | 1.99                      | 2.47                                |
| 1926..... | 21.33                             | 18.55                         | 24.71                                       | 21.64   | 43.00   | 36.00   | 2.00                                       | 4.62                             | 1.88                               | 1.95                      | 2.44                                |
| 1927..... | 20.46                             | 17.70                         | 21.16                                       | 19.68   | 43.00   | 33.27   | 1.84                                       | 4.68                             | 1.82                               | 1.83                      | 2.36                                |

<sup>1</sup> At furnace after 1907.<sup>2</sup> Bessemer rails to end of 1913; open-hearth thereafter. The extra \$2 per gross ton charged for many years on open-hearth rails was annulled, Oct. 22, 1921.<sup>3</sup> All muck iron for 1890; subsequently, best refined.

Sources. Iron Age and American Iron and Steel Institute.

## No. 705.—ALUMINUM AND BAUXITE: PRODUCTION, EXPORTS, AND IMPORTS

|   | 1912    | 1920    | 1923    | 1924    | 1925    | 1926    | 1927    |
|---|---------|---------|---------|---------|---------|---------|---------|
| <b>BAUXITE</b>  |         |         |         |         |         |         |         |
| Quantities, long tons:                                |         |         |         |         |         |         |         |
| Production.....                                       | 210,241 | 521,308 | 522,690 | 347,570 | 316,540 | 392,250 | 320,940 |
| Georgia, Alabama, and Tennessee.....                  | 40,370  | 40,029  | 28,810  | 19,940  | 20,220  | 20,680  | 17,110  |
| Arkansas.....   | 169,871 | 481,279 | 493,880 | 327,630 | 296,320 | 371,570 | 303,830 |
| Imports for consumption.....                          | 21,456  | 42,995  | 119,020 | 201,974 | 353,096 | 281,644 | 356,580 |
| Exports.....  | (1)     | 22,257  | 78,560  | 77,065  | 78,633  | 87,770  | 121,858 |
| Value of production <sup>1</sup> (1,000 dollars)..... | 998     | 2,247   | 2,157   | 2,128   | 1,968   | 2,415   | 1,989   |
| <b>ALUMINUM</b>                                       |         |         |         |         |         |         |         |
| Value, 1,000 dollars:                                 |         |         |         |         |         |         |         |
| Production—   |         |         |         |         |         |         |         |
| Primary metal.....                                    | 9,450   | 41,576  | 28,305  | 37,607  | 36,430  | 27,583  | 20,266  |
| Secondary metal.....                                  | 2,199   | 9,489   | 10,825  | 14,556  | 24,818  | 24,968  | 21,844  |
| Imports for consumption, total.....                   | 4,784   | 13,077  | 8,743   | 7,145   | 10,107  | 16,779  | 14,202  |
| Crude and semicrude.....                              | 4,388   | 12,184  | 8,317   | 6,860   | 9,806   | 16,422  | 13,317  |
| Manufactures.....                                     | 396     | 893     | 426     | 285     | 301     | 357     | 885     |
| Exports, total.....                                   | 906     | 5,631   | 3,572   | 4,173   | 5,067   | 4,452   | 6,307   |
| Crude and semicrude.....                              |         | 3,068   | 1,518   | 1,632   | 3,366   | 2,135   | 3,479   |
| Manufactures.....                                     |         | 2,563   | 2,054   | 2,540   | 2,601   | 2,317   | 2,829   |
| Quantities, 1,000 pounds:                             |         |         |         |         |         |         |         |
| Imports (crude and semicrude).....                    | 25,095  | 30,290  | 42,477  | 31,810  | 41,997  | 71,392  | 62,575  |
| Exports (crude and semicrude).....                    | (1)     | 9,408   | 5,540   | 6,343   | 12,642  | 7,634   | 14,523  |

<sup>1</sup> Unavailable.<sup>2</sup> F. o. b. mines.

Source: Bureau of Mines, Department of Commerce.

98827°—S A 1928—47

## No. 706.—COPPER: PRODUCTION, EXPORTS, IMPORTS, AND CONSUMPTION

[NOTE: All quantities except ore produced in millions and tenths of millions of pounds. Owing to the varying stages of production, the stocks in different classes of hands, the redistribution of copper previously purchased, the recovery and use of old copper, etc., calculations of consumption are somewhat uncertain. The American Bureau of Metal Statistics presents consumption estimates rather widely different from those given below. Consumption as shown represents the quantity of copper withdrawn on domestic account, but not actual domestic consumption, as no account is taken of consumers' stocks.]

| Item                                       | 1910    | 1915    | 1920    | 1923    | 1924    | 1925    | 1926    | 1927    |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>UNREFINED COPPER</b>                    |         |         |         |         |         |         |         |         |
| Ore produced (million short tons).....     | 28.8    | 43.4    | 36.8    | 45.5    | 49.2    | 53.1    | 57.2    | (?)     |
| Average copper yield, per cent.....        | 1.68    | 1.66    | 1.63    | 1.58    | 1.59    | 1.54    | 1.46    | (?)     |
| Smelter output.....                        | 1,080.2 | 1,388.0 | 1,209.1 | 1,435.0 | 1,634.2 | 1,674.9 | 1,730.6 | 1,684.0 |
| Mine production.....                       | 1,088.2 | 1,408.1 | 1,224.6 | 1,477.7 | 1,608.2 | 1,678.1 | 1,725.2 | (?)     |
| Imports, unrefined:                        |         |         |         |         |         |         |         |         |
| Ore.....                                   | 64.2    | 92.1    | 52.0    | 90.2    | 105.2   | 107.8   | 106.7   | 99.2    |
| Concentrates.....                          |         |         | 45.8    | 49.9    | 41.7    | 54.0    | 44.8    | 35.2    |
| Matte and regulus.....                     | 21.0    | 22.3    | 17.6    | 3.0     | 1.1     | 1.7     | 2.1     | 1.4     |
| Black, in bars, pigs, etc.....             | 259.2   | 193.8   | 244.7   | 896.3   | 471.0   | 370.3   | 443.8   | 425.6   |
| <b>REFINED COPPER PRODUCTION</b>           |         |         |         |         |         |         |         |         |
| Total new and old copper.....              | 1,511.0 | 2,027.0 | 2,151.0 | 2,602.0 | 3,087.0 | 3,045.0 | 3,292.0 | 3,298.0 |
| New copper (primary).....                  | 1,422.0 | 1,634.2 | 1,526.2 | 1,979.8 | 2,260.1 | 2,204.6 | 2,322.5 | 2,321.5 |
| Domestic.....                              | 1,071.9 | 1,387.7 | 1,192.4 | 1,464.2 | 1,674.2 | 1,682.9 | 1,781.3 | 1,719.0 |
| Foreign.....                               | 350.1   | 246.5   | 333.7   | 515.7   | 585.9   | 521.7   | 541.2   | 602.5   |
| Electrolytic.....                          | 1,128.3 | 1,860.8 | 1,351.7 | 1,812.3 | 2,070.3 | 2,050.0 | 2,142.0 | 2,125.6 |
| Lakes.....                                 | 721.6   | 236.8   | 154.5   | 187.7   | 145.3   | 138.0   | 172.4   | 193.1   |
| Casting and test select <sup>1</sup> ..... | 72.3    | 30.5    | 21.0    | 29.8    | 35.4    | 15.9    | 8.1     | 4.5     |
| Old copper re refined (secondary).....     | 189.0   | 392.4   | 624.9   | 821.8   | 770.6   | 840.4   | 969.5   | 966.5   |
| <b>REFINED COPPER CONSUMPTION</b>          |         |         |         |         |         |         |         |         |
| New copper produced (refinery).....        | 1,422.0 | 1,634.2 | 1,526.2 | 1,979.8 | 2,260.1 | 2,204.6 | 2,322.5 | 2,321.5 |
| Refined copper imported.....               | (?)     | (?)     | 108.7   | 160.7   | 143.9   | 90.8    | 170.6   | 103.3   |
| Refined copper exported.....               | 704.3   | 684.8   | 653.1   | 712.1   | 1,072.2 | 1,022.3 | 981.9   | 982.1   |
| Stocks, Dec. 31 (refined).....             | 122.8   | 82.4    | 650.0   | 264.0   | 243.0   | 124.0   | 146.0   | 111.0   |
| Withdrawn on domestic account:             |         |         |         |         |         |         |         |         |
| New refined copper.....                    | 732.4   | 1,136.6 | 1,068.8 | 1,300.5 | 1,304.7 | 1,401.0 | 1,570.1 | 1,433.0 |
| New and old copper <sup>2</sup> .....      | 921.0   | 1,520.0 | 1,679.0 | 2,122.0 | 2,131.0 | 2,241.0 | 2,508.0 | 2,433.0 |

<sup>1</sup> Not available.

<sup>2</sup> Imports of refined copper in ingots, bars, or other forms included in imports of unrefined.

<sup>3</sup> Includes pig for years 1915 and 1920.

<sup>4</sup> Revised.

<sup>5</sup> Includes the small exports of unrefined black blister and converter copper (bars, pigs, etc.) for years prior to 1923.

<sup>6</sup> Total from preceding line plus production of secondary copper as given above.

## No. 707.—COPPER: STATE OF ORIGIN OF ORE SMELTED

[Quantities in thousands of pounds]

| State of origin    | 1900    | 1910      | 1915      | 1920      | 1924      | 1925      | 1926      | 1927      |
|--------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Total.....         | 604,117 | 1,006,160 | 1,000,019 | 1,008,081 | 1,634,340 | 1,674,879 | 1,730,000 | 1,684,611 |
| Alaska.....        |         | 4,811     | 70,696    | 66,004    | 77,053    | 72,304    | 67,682    | 50,409    |
| Arizona.....       | 118,318 | 207,251   | 432,468   | 552,989   | 672,365   | 722,653   | 720,325   | 681,168   |
| California.....    | 28,511  | 45,760    | 37,658    | 11,822    | 49,434    | 46,944    | 30,443    | 25,803    |
| Colorado.....      | 7,827   | 9,307     | 7,272     | 4,283     | 4,159     | 3,163     | 4,658     | 3,007     |
| Idaho.....         | 290     | 6,878     | 6,218     | 1,922     | 3,149     | 3,144     | 1,171     | 1,511     |
| Michigan.....      | 145,461 | 231,463   | 238,965   | 153,484   | 145,833   | 138,030   | 174,779   | 195,135   |
| Missouri.....      |         |           | 806       | 633       | 186       | 12        | 54        | 5         |
| Montana.....       | 270,764 | 283,079   | 268,263   | 177,744   | 249,522   | 270,606   | 267,272   | 225,209   |
| Nevada.....        | 408     | 64,496    | 67,757    | 55,590    | 77,281    | 77,138    | 100,042   | 118,208   |
| New Mexico.....    | 4,169   | 3,788     | 62,817    | 32,100    | 78,140    | 79,467    | 82,845    | 79,761    |
| Oregon.....        |         | 22        | 797       | 2,529     | 717       | 126       | 379       | 455       |
| Pennsylvania.....  |         | 741       |           | 618       | 1,264     | 563       | 496       | 2,149     |
| Tennessee.....     |         | 16,663    | 18,206    | 16,728    | 18,252    | 19,799    | 18,602    | 14,469    |
| Utah.....          | 18,355  | 125,185   | 175,179   | 110,358   | 256,531   | 242,731   | 289,649   | 267,708   |
| Washington.....    |         | 65        | 904       | 2,126     | 979       | 1,185     | 1,337     | 1,767     |
| Undistributed..... | 12,034  | 1,127     | 514       | 92        | 80        | 117       | 2,687     | 4,749     |

Source of Tables 706 and 707: Bureau of Mines, Department of Commerce

## No. 708.—COPPER: SMELTER AND REFINERY OUTPUT

[NOTE.—Smelter output as here given represents the production of unrefined copper from domestic ores. Some copper ore is imported and smelted in this country, but this appears only in the figures of refined copper from imported material in Table 706]

[Quantities in millions of pounds; values in thousands of dollars]

| Period         | Smelter output from domestic ore |         | Year      | Smelter output from domestic ore |         | Refinery output (quantity) |          |                      |                  |
|----------------|----------------------------------|---------|-----------|----------------------------------|---------|----------------------------|----------|----------------------|------------------|
|                | Quantity                         | Value   |           | Quantity                         | Value   | New copper                 |          |                      | Secondary copper |
|                |                                  |         |           |                                  |         | Total <sup>1</sup>         | Domestic | Foreign <sup>1</sup> |                  |
| 1850.....      | 1½                               | 320     | 1907..... | 869                              | 173,799 | 1,083                      | 866      | 165                  | -----            |
| 1-60.....      | 16                               | 3,709   | 1908..... | 943                              | 124,419 | 1,138                      | 943      | 195                  | -----            |
| 1870.....      | 28                               | 5,997   | 1909..... | 1,093                            | 142,054 | 1,301                      | 1,093    | 298                  | -----            |
| 1871-1875..... | 34                               | 8,895   | 1910..... | 1,080                            | 137,180 | 1,422                      | 1,072    | 350                  | 189              |
| 1876-1880..... | 50                               | 9,679   | 1911..... | 1,097                            | 137,154 | 1,434                      | 1,097    | 337                  | 214              |
| 1881-1885..... | 118                              | 17,236  | 1912..... | 1,243                            | 205,139 | 1,568                      | 1,243    | 325                  | 273              |
| 1886-1890..... | 226                              | 30,345  | 1913..... | 1,224                            | 189,795 | 1,615                      | 1,237    | 378                  | 276              |
| 1891-1895..... | 339                              | 37,286  | 1914..... | 1,150                            | 152,968 | 1,634                      | 1,150    | 384                  | 232              |
| 1906-1909..... | 531                              | 74,424  | 1915..... | 1,383                            | 242,902 | 1,634                      | 1,388    | 247                  | 395              |
| 1910-1905..... | 732                              | 103,859 | 1916..... | 1,928                            | 474,288 | 2,239                      | 1,928    | 331                  | 700              |
| 1906-1910..... | 980                              | 150,924 | 1917..... | 1,886                            | 314,911 | 2,428                      | 1,886    | 542                  | 767              |
| 1911-1915..... | 1,221                            | 185,892 | 1918..... | 1,909                            | 471,408 | 2,432                      | 1,883    | 549                  | 705              |
| 1916-1920..... | 1,644                            | 395,270 | 1919..... | 1,296                            | 239,274 | 1,805                      | 1,438    | 372                  | 574              |
| 1921-1925..... | 1,240                            | 171,275 | 1920..... | 1,209                            | 222,467 | 1,526                      | 1,182    | 344                  | 625              |
| 1901.....      | 602                              | 100,546 | 1921..... | 506                              | 65,221  | 951                        | 609      | 341                  | 435              |
| 1902.....      | 660                              | 80,460  | 1922..... | 950                              | 128,289 | 1,258                      | 905      | 351                  | 672              |
| 1903.....      | 696                              | 95,632  | 1923..... | 1,435                            | 210,945 | 1,980                      | 1,464    | 516                  | 822              |
| 1904.....      | 813                              | 104,006 | 1924..... | 1,634                            | 214,087 | 2,260                      | 1,674    | 586                  | 777              |
| 1905.....      | 689                              | 128,650 | 1925..... | 1,675                            | 237,832 | 2,305                      | 1,663    | 522                  | 849              |
| 1906.....      | 918                              | 177,138 | 1926..... | 1,740                            | 242,647 | 2,322                      | 1,731    | 591                  | 900              |
|                |                                  |         | 1927..... | 1,684                            | 230,609 | 2,326                      | 1,719    | 607                  | 980              |

<sup>1</sup> Includes refined copper imported from 1907 to 1919, inclusive.

Source: Bureau of Mines, Department of Commerce.

## No. 709.—EXPORTS (DOMESTIC) AND IMPORTS OF COPPER

[NOTE.—Values include all copper. Quantities represent all copper except "other manufactures." Copper content of exports of ore for years 1891-1913 and of imports for years 1891-1903 was estimated]

[Quantities in short tons; values in thousands of dollars]

| Yearly average or year | Exports  |         | Imports  |         | Year      | Exports  |         | Imports  |        |
|------------------------|----------|---------|----------|---------|-----------|----------|---------|----------|--------|
|                        | Quantity | Value   | Quantity | Value   |           | Quantity | Value   | Quantity | Value  |
| 1891-1895 <sup>1</sup> | 65,596   | 14,392  | 7,661    | 890     | 1920..... | 312,027  | 141,717 | 242,835  | 90,019 |
| 1896-1900 <sup>1</sup> | 137,694  | 36,745  | 24,634   | 5,868   | 1921..... | 314,402  | 97,898  | 175,235  | 45,785 |
| 1901-1905 <sup>1</sup> | 190,651  | 54,942  | 83,237   | 22,611  | 1922..... | 368,428  | 103,874 | 270,507  | 69,829 |
| 1906-1910 <sup>1</sup> | 289,445  | 92,334  | 130,111  | 38,028  | 1923..... | 412,375  | 129,220 | 138,236  | 95,968 |
| 1911-1915 <sup>1</sup> | 416,840  | 123,655 | 170,635  | 46,129  | 1924..... | 556,198  | 156,646 | 344,408  | 96,184 |
| 1916-1920 <sup>1</sup> | 378,877  | 208,909 | 216,948  | 103,805 | 1925..... | 540,376  | 161,166 | 326,486  | 84,270 |
| 1921-1925.....         | 438,337  | 129,761 | 298,975  | 77,811  | 1926..... | 482,843  | 141,204 | 389,721  | 99,742 |
| 1918.....              | 373,845  | 208,732 | 287,903  | 133,523 | 1927..... | 528,403  | 150,163 | 359,166  | 84,965 |
| 1919.....              | 258,314  | 130,790 | 214,694  | 86,271  |           |          |         |          |        |

<sup>1</sup> Fiscal years ended June 30.

<sup>2</sup> Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.



## No. 710.—REFINED PRIMARY LEAD AND SECONDARY LEAD

[NOTE.—Production in short tons, values except price per pound in thousands of dollars. This table, except the last column, relates to new (primary) lead only, derived from both domestic and foreign ore. General production figures and production of desilverized lead do not include antimonial lead, which is shown in the next to the last column. This table represents exclusively refined lead, while in Table 711 part of the lead from domestic ore is unrefined.]

| Year  | Production | Value  | Year  | Production | Value  | Year  | Production | Value   |
|-------|------------|--------|-------|------------|--------|-------|------------|---------|
| 1830. | 8,000      | 808    | 1893. | 224,320    | 16,600 | 1911. | 486,979    | 42,526  |
| 1840. | 17,000     | 1,660  | 1894. | 213,650    | 14,101 | 1912. | 480,804    | 42,280  |
| 1850. | 22,000     | 2,112  | 1895. | 235,823    | 15,093 | 1913. | 462,400    | 40,404  |
| 1860. | 15,600     | 1,778  | 1896. | 257,487    | 15,449 | 1914. | 542,122    | 42,286  |
| 1870. | 17,830     | 2,247  | 1897. | 282,169    | 20,216 | 1915. | 550,065    | 51,705  |
| 1880. | 95,725     | 9,573  | 1898. | 302,148    | 22,963 | 1916. | 571,134    | 78,617  |
| 1881. | 114,493    | 10,992 | 1899. | 298,047    | 26,824 | 1917. | 610,769    | 105,052 |
| 1882. | 129,780    | 12,718 | 1900. | 367,773    | 32,364 | 1918. | 640,195    | 90,906  |
| 1883. | 140,297    | 12,066 | 1901. | 371,032    | 30,909 | 1919. | 482,220    | 51,115  |
| 1884. | 136,297    | 10,086 | 1902. | 367,892    | 30,167 | 1920. | 529,657    | 84,745  |
| 1885. | 126,192    | 10,095 | 1903. | 368,939    | 30,991 | 1921. | 448,589    | 40,373  |
| 1886. | 132,199    | 12,161 | 1904. | 393,452    | 33,837 | 1922. | 532,092    | 56,580  |
| 1887. | 156,630    | 14,097 | 1905. | 398,307    | 36,501 | 1923. | 618,322    | 86,565  |
| 1888. | 176,015    | 15,489 | 1906. | 404,746    | 46,141 | 1924. | 690,493    | 110,479 |
| 1889. | 178,357    | 13,912 | 1907. | 413,369    | 43,819 | 1925. | 766,969    | 123,453 |
| 1890. | 157,844    | 14,206 | 1908. | 396,564    | 23,311 | 1926. | 798,941    | 127,681 |
| 1891. | 108,363    | 17,059 | 1909. | 440,909    | 38,434 | 1927. | 796,530    | 100,362 |
| 1892. | 204,223    | 17,074 | 1910. | 470,272    | 14,394 |       |            |         |

| Year  | Class                     |         | Source                                 |              |                      | Average value per pound | Antimonial lead, total production | Secondary lead recovered, total |
|-------|---------------------------|---------|--|--------------|----------------------|-------------------------|-----------------------------------|---------------------------------|
|       | Desilverized <sup>1</sup> | Soft    | Domestic ores and bullion <sup>2</sup> | Foreign ores | Foreign base bullion |                         |                                   |                                 |
| 1870. |                           | 17,830  | 17,830                                 |              |                      | \$0.063                 |                                   |                                 |
| 1880. | 68,035                    | 27,690  | 95,725                                 |              |                      | .050                    | 2,100                             |                                 |
| 1885. | 104,217                   | 21,975  | 126,192                                |              |                      | .040                    | 3,220                             |                                 |
| 1890. | 126,493                   | 31,351  | 157,844                                |              |                      | .045                    | 3,910                             |                                 |
| 1895. | 195,932                   | 39,690  | 235,622                                |              |                      | .032                    | 8,000                             |                                 |
| 1900. | 319,752                   | 48,021  | 367,773                                |              |                      | .044                    | 9,908                             |                                 |
| 1905. | 302,852                   | 85,455  | 388,307                                |              |                      | .047                    | 10,993                            |                                 |
| 1910. | 328,954                   | 141,314 | 470,268                                |              |                      | .044                    | 14,069                            | 55,422                          |
| 1915. | 398,594                   | 161,461 | 560,055                                |              |                      | .047                    | 23,224                            | 78,900                          |
| 1920. | 339,803                   | 189,854 | 529,657                                |              |                      | .060                    | 12,535                            | 123,650                         |
| 1925. | 482,220                   | 243,615 | 725,835                                |              |                      | .080                    | 20,887                            | 204,500                         |
| 1930. | 507,409                   | 240,740 | 748,149                                |              |                      | .087                    | 19,667                            | 226,880                         |
| 1935. | 540,370                   | 288,567 | 828,937                                |              |                      | .080                    | 21,524                            | 217,115                         |
| 1940. | 662,586                   | 235,644 | 898,230                                |              |                      | .063                    | 24,347                            | 28,000                          |

<sup>1</sup> Desilverized soft lead is included.<sup>2</sup> Excludes antimonial lead.

## No. 711.—SOURCES OF PRIMARY LEAD SMELTED OR REFINED IN THE UNITED STATES

(Production in short tons. See note to Table 710)

| Source of ore                          | 1910    | 1915    | 1920    | 1923    | 1924    | 1925    | 1926    | 1927    |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| Total                                  | 494,081 | 580,041 | 547,155 | 628,517 | 706,066 | 796,499 | 814,086 | 816,545 |
| From domestic ore                      | 369,211 | 537,012 | 494,547 | 554,036 | 582,000 | 686,451 | 695,830 | 684,165 |
| Arizona                                | 548     | 6,953   | 5,687   | 8,828   | 9,372   | 10,281  | 10,646  | 7,978   |
| Colorado                               | 38,542  | 32,372  | 17,752  | 23,885  | 25,491  | 31,855  | 37,553  | 37,040  |
| Idaho                                  | 109,651 | 160,880 | 117,191 | 127,797 | 123,709 | 123,363 | 132,564 | 150,678 |
| Kansas                                 | 1,308   | 1,320   | 8,421   | 20,207  | 12,695  | 15,001  | 20,884  | 7,530   |
| Missouri                               | 161,079 | 10,634  | 171,999 | 169,323 | 191,501 | 208,547 | 218,083 | 210,766 |
| Montana                                | 1,843   | 4,882   | 13,231  | 18,315  | 21,226  | 22,008  | 28,350  | 31,941  |
| Nebraska                               | 2,246   | 7,964   | 8,650   | 8,044   | 8,070   | 10,978  | 11,379  | 8,580   |
| Ohio                                   | 1,805   | 4,316   | 68,191  | 59,002  | 56,017  | 78,487  | 70,004  | 65,740  |
| Texas                                  | 60,605  | 106,105 | 64,006  | 104,678 | 119,318 | 160,844 | 151,127 | 155,599 |
| Washington                             | 3,909   | 2,632   | 3,841   | 601     | 1,973   | 2,889   | 2,052   | 2,087   |
| Wyoming                                | 4,058   | 9,931   | 10,409  | 12,364  | 11,106  | 14,657  | 14,683  | 14,013  |
| Unallocated                            | 2,247   | 4,502   | 4,366   | 362     | 1,320   | 1,511   | 505     | 1,005   |
| From foreign ore <sup>1</sup>          | 18,065  | 9,581   | 9,414   | 24,288  | 46,385  | 47,094  | 48,210  | 32,559  |
| Algeria                                | 3,910   |         | 1,171   | 99      |         |         | 6       | 12      |
| Canada                                 | 25      | 1,174   | 1,186   | 3,632   | 4,633   | 10,676  | 5,385   | 4,788   |
| China                                  | 11,794  | 7,437   | 2,729   | 18,897  | 33,328  | 31,107  | 32,693  | 22,841  |
| South America                          | 2,986   | 2,829   | 2,747   | 1,461   | 7,063   | 4,496   | 9,893   | 5,896   |
| From foreign base bullion <sup>2</sup> | 76,805  | 33,448  | 44,394  | 50,193  | 77,701  | 65,094  | 70,046  | 95,841  |
| Canada                                 |         |         | 1,910   |         |         |         |         |         |
| Mexico                                 | 76,805  | 31,173  | 2,4241  | 50,193  | 77,701  | 65,094  | 70,046  | 95,841  |

<sup>1</sup> Includes in part small unspecified items.

Source of Tables 710 and 711: Bureau of Mines, Department of Commerce.

## No. 712.—SUPPLY AND DISTRIBUTION OF REFINED PRIMARY LEAD

[NOTE.—All data in short tons. Apparent consumption is only approximate as no account is taken of changes in stocks outside of bonded warehouses]

|   | 1910     | 1915     | 1920     | 1922     | 1924     | 1925     | 1926     | 1927     |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| Supply, total.....                            | 473, 830 | 550, 467 | 555, 510 | 630, 421 | 705, 357 | 779, 035 | 818, 255 | 809, 708 |
| Stock in bonded warehouses                    |          |          |          |          |          |          |          |          |
| Jan. 1.....                                   | 79       | 2        | 234      | 2, 617   | 5, 045   | 8, 162   | 10, 711  | 10, 711  |
| Imports of pigs, bars, and old.....           | 3, 485   | 410      | 35, 719  | 21, 090  | 12, 247  | 7, 021   | 11, 152  | 2, 467   |
| Production.....                               | 470, 272 | 550, 055 | 520, 557 | 618, 322 | 690, 493 | 765, 990 | 798, 941 | 793, 530 |
| Deductions, total.....                        | 78, 661  | 130, 907 | 27, 800  | 65, 878  | 102, 410 | 123, 380 | 100, 602 | 146, 761 |
| Exports of foreign lead:                      |          |          |          |          |          |          |          |          |
| From warehouses.....                          | 60, 786  | 38, 615  | 17, 363  | 48, 736  | 76, 788  | 98, 564  | 67, 600  | 122, 764 |
| In manufactures with benefit of drawback..... | 8, 800   | 3, 963   | 6, 175   | 12, 536  | 15, 275  | 11, 799  | 17, 955  | 12, 000  |
| Exports of domestic lead.....                 |          | 88, 308  | 2, 730   | 1, 999   | 5, 333   | 4, 956   | 4, 276   | 2, 533   |
| Stock in bonded warehouses                    |          |          |          |          |          |          |          |          |
| Dec. 31.....                                  | 75       |          | 1, 332   | 2, 617   | 5, 045   | 8, 162   | 10, 711  | 9, 464   |
| Apparent consumption.....                     | 395, 175 | 419, 560 | 528, 080 | 573, 543 | 608, 947 | 655, 655 | 717, 653 | 662, 947 |

<sup>1</sup> Estimate.

Source: Bureau of Mines, Department of Commerce.

No. 713.—MANUFACTURES OF NONFERROUS METALS AND ALLOYS,<sup>1</sup> 1925

[NOTE.—This table shows the production of the commodities specified, whether made as primary or as secondary products by the industries reporting them. The census designations of the industries in which these commodities are made as primary products are as follows: Babbitt metal, white metal, type metal, and solder; brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified; lead bar, pipe, and sheet; and smelting and refining, metals other than gold, silver, or platinum, not from the ore.]

[Quantities in thousands of pounds; values in thousands of dollars]

| Kind  | Quantity | Value    | Kind   | Quantity | Value    |
|---|----------|----------|--|----------|----------|
| Total value.....                            |          | 708, 994 | Tubing, brass (practically all brass).....                   | 12, 468  | 3, 787   |
| Ingot and pigs.....                         |          | 149, 563 | Wire, bare <sup>1</sup> .....                                |          | 51, 006  |
| Brass.....                                  | 171, 713 | 19, 940  | Brass.....   | 54, 593  | 9, 921   |
| Bronze.....                                 | 27, 174  | 3, 647   | Bronze.....  | 29, 671  | 7, 478   |
| Babbitt and bearing metal.....              | 97, 756  | 21, 818  | Copper.....  | 190, 473 | 32, 812  |
| Solders, all kinds.....                     | 85, 449  | 25, 685  | Other metals.....  |          | 795      |
| Type metal.....                             | 60, 103  | 6, 517   | Castings, rough.....   |          | 75, 881  |
| White metal (other than bearing metal)..... | 127, 276 | 14, 128  | Brass.....   |          | 26, 926  |
| Other metal.....                            |          | 57, 828  | Weight reported.....   | 95, 010  | 18, 981  |
| Plates and sheets.....                      |          | 194, 473 | Weight not reported.....                                     |          | 7, 945   |
| Brass.....                                  | 347, 820 | 63, 533  | Bronze.....  | 209, 182 | 40, 101  |
| Bronze.....                                 | 31, 152  | 7, 392   | Other metals.....  |          | 8, 394   |
| Copper.....                                 | 162, 316 | 35, 231  | Finished products.....                                       |          | 157, 554 |
| Lead.....                                   | 51, 163  | 5, 691   | Brass.....   |          | 83, 903  |
| Other metals.....                           |          | 12, 536  | Bronze.....  |          | 28, 166  |
| Rods and bars.....                          |          | 68, 966  | Copper.....  |          | 13, 396  |
| Brass.....                                  | 156, 598 | 25, 374  | Other metals.....  |          | 32, 069  |
| Bronze.....                                 | 4, 225   | 1, 149   | All other products, including custom work and repairing..... |          | 21, 866  |
| Copper.....                                 | 236, 948 | 36, 485  |  |          |          |
| Other metals.....                           |          | 5, 980   |  |          |          |
| Tubing (seamless) and pipe.....             |          | 52, 918  |  |          |          |
| Brass.....                                  | 96, 518  | 23, 101  |  |          |          |
| Bronze.....                                 | 6, 055   | 1, 646   |  |          |          |
| Copper.....                                 | 57, 954  | 14, 909  |  |          |          |
| Lead.....                                   | 105, 776 | 11, 800  |  |          |          |
| Other metals.....                           |          | 702      |  |          |          |

<sup>1</sup> This table does not include data for establishments engaged in smelting and refining ores containing copper, lead, zinc, and other nonferrous metals.

<sup>2</sup> Does not include wire made by establishments engaged primarily in the drawing of wire.

Source: Bureau of the Census, Department of Commerce.

## No. 714.—ZINC: PRODUCTION, EXPORTS, STOCKS, AND APPARENT CONSUMPTION

[All quantity figures in short tons, values in thousands of dollars]

|   | 1910           | 1915           | 1920           | 1923           | 1924           | 1925           | 1926           | 1927           |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>Mine production (zinc content)</b>                       | <b>327,618</b> | <b>587,586</b> | <b>587,594</b> | <b>610,690</b> | <b>637,977</b> | <b>710,847</b> | <b>774,564</b> | <b>715,980</b> |
| Colorado  | 38,545         | 52,297         | 24,395         | 27,076         | 28,364         | 30,811         | 32,500         | 37,449         |
| Idaho   | 2,802          | 35,077         | 13,966         | 13,976         | 7,670          | 15,619         | 20,397         | 26,773         |
| Kansas  | 13,229         | 14,365         | 61,073         | 100,969        | 105,392        | 118,778        | 120,307        | 109,427        |
| Missouri  | 128,589        | 136,300        | 24,509         | 18,266         | 12,920         | 14,794         | 26,018         | 18,737         |
| Montana   | 15,819         | 93,573         | 92,109         | 70,730         | 64,238         | 57,658         | 73,701         | 80,231         |
| Nevada  | 1,354          | 12,148         | 5,349          | 7,083          | 5,501          | 7,411          | 5,409          | 3,630          |
| New Jersey  | 68,584         | 117,722        | 78,511         | 75,227         | 84,370         | 89,261         | 80,029         | 95,695         |
| New Mexico  | 9,044          | 12,702         | 5,007          | 8,248          | 10,380         | 9,246          | 12,053         | 25,800         |
| New York  |                | 2,455          | 5,554          | 8,463          | 4,064          | 5,158          | 5,041          | 3,770          |
| Oklahoma  | 6,394          | 14,314         | 210,727        | 242,421        | 209,157        | 283,371        | 272,567        | 205,011        |
| Tennessee   | 966            | 16,461         | 19,217         | 15,900         | 14,276         | 10,256         | 12,048         | 10,400         |
| Utah  | 8,184          | 12,148         | 4,079          | 5,665          | 9,281          | 26,306         | 47,500         | 49,523         |
| Wisconsin   | 25,927         | 41,403         | 27,265         | 13,211         | 14,027         | 20,230         | 20,500         | 32,841         |
| Other States  | 5,181          | 26,592         | 5,583          | 3,456          | 7,657          | 15,948         | 27,544         | .....          |
| <b>Smelter production</b>                                   | <b>310,407</b> | <b>543,419</b> | <b>508,227</b> | <b>575,844</b> | <b>576,225</b> | <b>634,376</b> | <b>639,992</b> | <b>636,700</b> |
| Primary zinc  | 299,184        | 489,519        | 463,377        | 510,434        | 517,339        | 572,946        | 618,422        | 572,518        |
| From domestic ore   | 252,479        | 458,135        | 450,045        | 508,335        | 515,831        | 555,631        | 611,991        | 574,960        |
| From foreign ore  | 16,705         | 31,384         | 13,332         | 2,099          | 1,508          | 17,315         | 6,431          | 15,550         |
| Secondary zinc  | 41,223         | 52,900         | 42,850         | 65,210         | 58,886         | 61,430         | 64,570         | 64,184         |
| Redistilled   | 12,784         | 29,764         | 21,371         | 36,434         | 23,686         | 39,181         | 40,799         | 42,788         |
| Remelted  | 28,439         | 23,136         | 21,479         | 28,776         | 35,200         | 22,249         | 23,771         | 21,400         |
| <b>Value of primary product from domestic ore (\$1,000)</b> | <b>27,268</b>  | <b>113,617</b> | <b>72,907</b>  | <b>99,134</b>  | <b>97,056</b>  | <b>64,456</b>  | <b>91,799</b>  | <b>73,966</b>  |
| <b>Primary zinc consumed</b>                                |                |                |                |                |                |                |                |                |
| Supply, total   | 282,350        | 510,518        | 508,347        | 527,345        | 545,252        | 593,724        | 631,524        | 619,510        |
| Stock, Jan. 1   | 11,206         | 20,095         | 36,793         | 16,900         | 27,886         | 30,754         | 13,060         | 25,937         |
| Produced  | 269,184        | 489,519        | 463,377        | 510,434        | 517,339        | 572,946        | 618,422        | 592,518        |
| Imported  | 1,960          | 904            | 8,177          | 21             | 25             | 24             | 22             | 57             |
| Deductions:   |                |                |                |                |                |                |                |                |
| Exports, total  | 13,234         | 131,410        | 114,267        | 52,943         | 76,241         | 80,547         | 47,561         | 49,617         |
| Stock, Dec. 31  | 23,232         | 14,263         | 71,037         | 27,688         | 20,754         | 13,080         | 26,937         | 53,523         |
| <b>Apparent domestic consumption</b>                        | <b>245,884</b> | <b>364,555</b> | <b>323,043</b> | <b>446,514</b> | <b>445,257</b> | <b>500,067</b> | <b>587,096</b> | <b>519,371</b> |

\* Total mine production figures and data for some States are preliminary.

Source: Bureau of Mines, Department of Commerce.

## No. 715.—SMELTER PRODUCTION OF PRIMARY ZINC FROM DOMESTIC ORE

[Quantities in short tons; values<sup>1</sup> in thousands of dollars]

| Yearly average or year | Quantity | Value  | Yearly average or year | Quantity | Value   | Year | Quantity | Value  |
|------------------------|----------|--------|------------------------|----------|---------|------|----------|--------|
| 1875                   | 15,833   | 2,217  | 1921-1925              | 426,261  | 56,149  | 1920 | 450,045  | 72,907 |
| 1880 <sup>2</sup>      | 23,239   | 2,777  | 1911                   | 271,621  | 30,965  | 1921 | 199,232  | 19,823 |
| 1885                   | 40,668   | 3,540  | 1912                   | 323,907  | 44,609  | 1922 | 353,774  | 40,273 |
| 1886-1890              | 54,285   | 5,219  | 1913                   | 337,252  | 37,772  | 1923 | 508,333  | 62,134 |
| 1891-1895              | 82,396   | 6,787  | 1914                   | 343,418  | 35,020  | 1924 | 515,831  | 67,048 |
| 1896-1900              | 109,963  | 10,180 | 1915                   | 458,135  | 113,617 | 1925 | 555,631  | 94,456 |
| 1901-1905              | 169,504  | 17,067 | 1916                   | 564,338  | 151,243 | 1926 | 611,991  | 91,799 |
| 1906-1910              | 219,378  | 24,405 | 1917                   | 584,597  | 119,258 | 1927 | 576,060  | 73,966 |
| 1911-1915              | 346,967  | 52,446 | 1918                   | 492,405  | 89,618  |      |          |        |
| 1916-1920              | 508,731  | 99,812 | 1919                   | 452,272  | 66,032  |      |          |        |

<sup>1</sup> Values at New York prices up to and including 1907, at St. Louis prices, 1908 to 1914, at average price all grades, 1915 and later years.<sup>2</sup> Computed at yearly average of high and low monthly prices at New York.<sup>3</sup> Census year ended May 31.

Source: Bureau of Mines, Department of Commerce.

# No. 716.—GOLD AND SILVER: PRODUCTION FROM MINES IN THE UNITED STATES (INCLUDING ALASKA AND PHILIPPINE ISLANDS)

(NOTE.—The value of gold, in terms of money, being unchanging at \$20.67+ per fine ounce, is not shown in the table. The value of silver given is commercial value (Pittman Act value for 1921 to June, 1923) which at times has differed materially from coinage value)

[Figures are totals for period or for year]

| Calendar year or period | Gold, 1,000 fine ounces | Silver, 1,000 fine ounces | Silver, value, 1,000 dollars | Calendar year or period | Gold, 1,000 fine ounces | Silver, 1,000 fine ounces | Silver, value, 1,000 dollars |
|-------------------------|-------------------------|---------------------------|------------------------------|-------------------------|-------------------------|---------------------------|------------------------------|
| 1792-1847.....          | 1,187                   | 310                       | 405                          | 1896.....               | 2,568                   | 58,835                    | 39,658                       |
| 1848-1850.....          | 4,838                   | 116                       | 152                          | 1897.....               | 2,775                   | 53,860                    | 32,316                       |
| 1851-1855.....          | 14,271                  | 194                       | 250                          | 1898.....               | 3,118                   | 54,438                    | 32,118                       |
| 1856-1860.....          | 12,384                  | 309                       | 418                          | 1899.....               | 3,437                   | 54,763                    | 32,850                       |
| 1861-1865.....          | 10,716                  | 28,811                    | 38,674                       | 1900.....               | 3,830                   | 57,647                    | 35,741                       |
| 1866-1870.....          | 12,226                  | 49,113                    | 65,261                       | 1901.....               | 3,806                   | 55,214                    | 33,128                       |
| 1871-1875.....          | 8,826                   | 121,083                   | 156,270                      | 1902.....               | 3,870                   | 56,509                    | 29,115                       |
| 1876-1880.....          | 10,301                  | 157,661                   | 182,506                      | 1903.....               | 3,560                   | 54,300                    | 29,322                       |
| 1881-1885.....          | 7,730                   | 182,841                   | 202,807                      | 1904.....               | 3,892                   | 57,683                    | 33,440                       |
| 1886-1890.....          | 8,078                   | 221,819                   | 237,495                      | 1905.....               | 4,266                   | 56,102                    | 34,222                       |
| 1891-1895.....          | 9,107                   | 287,057                   | 227,960                      | 1906.....               | 4,565                   | 56,518                    | 38,258                       |
| 1896-1900.....          | 15,729                  | 279,544                   | 172,689                      | 1907.....               | 4,375                   | 56,516                    | 37,300                       |
| 1901-1905.....          | 19,394                  | 278,798                   | 159,543                      | 1908.....               | 4,574                   | 52,441                    | 29,651                       |
| 1906-1910.....          | 22,993                  | 277,333                   | 162,916                      | 1909.....               | 4,822                   | 54,722                    | 29,455                       |
| 1911-1915.....          | 22,968                  | 338,394                   | 189,626                      | 1910.....               | 4,657                   | 57,138                    | 30,856                       |
| 1916-1920.....          | 17,246                  | 326,009                   | 298,852                      | 1911.....               | 4,687                   | 60,399                    | 32,616                       |
| 1921-1925.....          | 12,194                  | 313,767                   | 258,962                      | 1912.....               | 4,521                   | 63,767                    | 39,193                       |
| 1881.....               | 1,679                   | 33,258                    | 37,658                       | 1913.....               | 4,500                   | 66,602                    | 40,349                       |
| 1882.....               | 1,572                   | 36,197                    | 41,108                       | 1914.....               | 4,573                   | 72,455                    | 40,779                       |
| 1883.....               | 1,451                   | 35,733                    | 39,618                       | 1915.....               | 4,888                   | 74,961                    | 37,397                       |
| 1884.....               | 1,490                   | 37,744                    | 41,921                       | 1916.....               | 4,479                   | 74,415                    | 48,953                       |
| 1885.....               | 1,538                   | 39,909                    | 42,504                       | 1917.....               | 4,061                   | 71,740                    | 59,074                       |
| 1886.....               | 1,687                   | 39,694                    | 39,482                       | 1918.....               | 3,321                   | 67,810                    | 66,443                       |
| 1887.....               | 1,603                   | 41,722                    | 40,887                       | 1919.....               | 2,919                   | 56,682                    | 63,514                       |
| 1888.....               | 1,604                   | 45,763                    | 43,045                       | 1920.....               | 2,476                   | 65,362                    | 60,802                       |
| 1889.....               | 1,595                   | 50,095                    | 46,836                       | 1921.....               | 2,422                   | 53,052                    | 1 53,052                     |
| 1890.....               | 1,589                   | 54,516                    | 57,242                       | 1922.....               | 2,363                   | 56,240                    | 1 56,240                     |
| 1891.....               | 1,606                   | 58,330                    | 57,630                       | 1923.....               | 2,503                   | 73,336                    | 1 60,135                     |
| 1892.....               | 1,597                   | 63,500                    | 55,683                       | 1924.....               | 2,529                   | 65,407                    | 43,823                       |
| 1893.....               | 1,739                   | 60,000                    | 46,800                       | 1925.....               | 2,412                   | 66,155                    | 45,812                       |
| 1894.....               | 1,911                   | 49,500                    | 31,422                       | 1926.....               | 2,335                   | 62,719                    | 39,136                       |
| 1895.....               | 2,235                   | 55,727                    | 36,446                       | 1927.....               | 2,197                   | 60,434                    | 34,206                       |

| State or Territory      | Gold, 1,000 fine ounces |       |       |       |       | Silver, 1,000 fine ounces |        |        |        |        | Silver, value, 1927, 1,000 dollars |
|-------------------------|-------------------------|-------|-------|-------|-------|---------------------------|--------|--------|--------|--------|------------------------------------|
|                         | 1916                    | 1920  | 1925  | 1926  | 1927  | 1916                      | 1920   | 1925   | 1926   | 1927   |                                    |
| Total.....              | 4,657                   | 3,476 | 3,413 | 2,335 | 2,197 | 57,138                    | 55,363 | 68,155 | 62,719 | 60,434 | 34,206                             |
| Alaska.....             | 787                     | 413   | 301   | 325   | 266   | 154                       | 823    | 766    | 707    | 606    | 344                                |
| Arizona.....            | 165                     | 240   | 204   | 232   | 203   | 2,656                     | 5,432  | 7,371  | 7,517  | 6,601  | 3,743                              |
| California.....         | 989                     | 716   | 642   | 582   | 565   | 1,792                     | 1,655  | 2,240  | 1,978  | 1,558  | 883                                |
| Colorado.....           | 963                     | 363   | 367   | 346   | 259   | 8,523                     | 5,167  | 4,435  | 5,038  | 3,941  | 2,235                              |
| Idaho.....              | 50                      | 23    | 20    | 13    | 15    | 7,027                     | 7,355  | 7,663  | 7,564  | 8,929  | 6,063                              |
| Michigan.....           |                         |       |       |       |       | 262                       | 512    | 136    | 107    | 52     | 29                                 |
| Montana.....            | 180                     | 92    | 84    | 58    | 56    | 12,263                    | 13,263 | 12,597 | 11,974 | 11,810 | 6,694                              |
| Nevada.....             | 913                     | 175   | 180   | 171   | 140   | 12,366                    | 7,482  | 6,847  | 6,450  | 5,373  | 3,046                              |
| New Mexico.....         | 23                      | 22    | 30    | 20    | 26    | 779                       | 700    | 800    | 497    | 755    | 428                                |
| Oregon.....             | 33                      | 50    | 19    | 13    | 14    | 44                        | 102    | 35     | 29     | 42     | 24                                 |
| South Dakota.....       | 260                     | 210   | 268   | 267   | 323   | 121                       | 88     | 98     | 53     | 95     | 54                                 |
| Texas.....              | (1)                     | (5)   |       | (7)   | (7)   | 354                       | 523    | 555    | 464    | 943    | 535                                |
| Utah.....               | 209                     | 108   | 181   | 82    | 200   | 10,446                    | 11,755 | 21,241 | 19,935 | 19,354 | 10,974                             |
| Washington.....         | 39                      | 7     | 11    | 9     | 19    | 205                       | 178    | 166    | 156    | 162    | 92                                 |
| Philippine Islands..... | 7                       | 62    | 92    | 96    | 80    | 2                         | 22     | 49     | 46     | 40     | 23                                 |
| Other.....              | 8                       | (1)   | 3     | 1     | 1     | 115                       | 296    | 156    | 174    | 174    | 99                                 |

<sup>1</sup> For 1921, 1922, and first half of 1923 price is taken at the figure of \$1 per ounce fixed by the Pittman Act.

<sup>2</sup> Less than 500 ounces.

Source: Reports of the Director of the Mint, Treasury Department.

## No. 717.—GOLD AND SILVER FOR USE IN MANUFACTURES AND THE ARTS

| Yearly average or year | Gold, in thousands of dollars   |                          |        |              |             | Silver, in thousands of fine ounces |                          |        |              |             |
|------------------------|---------------------------------|--------------------------|--------|--------------|-------------|-------------------------------------|--------------------------|--------|--------------|-------------|
|                        | New material                    |                          |        | Old material | Grand total | New material                        |                          |        | Old material | Grand total |
|                        | United States coin <sup>1</sup> | Bullion and foreign coin | Total  |              |             | United States coin <sup>1</sup>     | Bullion and foreign coin | Total  |              |             |
| 1880.....              | 3,300                           | 5,511                    | 8,811  | 1,394        | 10,105      | 404                                 | 2,126                    | 2,530  | 204          | 2,734       |
| 1881-1885.....         | 3,715                           | 6,091                    | 10,706 | 1,663        | 12,369      | 155                                 | 3,695                    | 3,850  | 315          | 4,165       |
| 1886-1890.....         | 3,500                           | 8,512                    | 12,012 | 4,029        | 16,041      | 153                                 | 4,831                    | 4,984  | 676          | 5,660       |
| 1891-1895.....         | 3,500                           | 7,948                    | 11,448 | 5,060        | 16,508      | 108                                 | 6,938                    | 7,046  | 951          | 7,997       |
| 1896-1900.....         | 2,500                           | 9,398                    | 12,898 | 4,067        | 16,965      | 77                                  | 8,937                    | 9,014  | 1,200        | 10,214      |
| 1901-1905.....         | 3,500                           | 18,218                   | 21,718 | 6,778        | 28,496      | 77                                  | 16,447                   | 16,524 | 8,002        | 24,526      |
| 1906-1910.....         | 3,500                           | 26,941                   | 30,441 | 7,708        | 38,149      | 77                                  | 20,807                   | 20,884 | 3,660        | 24,544      |
| 1911-1915.....         | 3,500                           | 31,198                   | 34,698 | 8,106        | 42,803      | 77                                  | 23,438                   | 23,516 | 6,925        | 30,441      |
| 1916-1920.....         | 3,500                           | 40,292                   | 43,792 | 19,026       | 62,818      | 77                                  | 22,011                   | 22,089 | 9,126        | 31,215      |
| 1921-1923.....         | 3,500                           | 31,192                   | 34,692 | 27,631       | 62,323      | 77                                  | 28,538                   | 28,616 | 8,169        | 36,785      |
| 1918.....              | 3,500                           | 29,392                   | 32,892 | 19,517       | 52,410      | 77                                  | 26,645                   | 26,722 | 9,530        | 36,252      |
| 1919.....              | 3,500                           | 52,634                   | 56,134 | 19,354       | 75,488      | 77                                  | 26,160                   | 26,238 | 6,463        | 32,701      |
| 1920.....              | 3,500                           | 50,510                   | 54,010 | 28,205       | 82,215      | 77                                  | 19,203                   | 19,280 | 8,094        | 27,374      |
| 1921.....              | 3,500                           | 19,550                   | 23,050 | 27,624       | 50,674      | 77                                  | 28,760                   | 28,837 | 7,024        | 35,861      |
| 1922.....              | 3,500                           | 32,822                   | 36,322 | 23,484       | 59,806      | 77                                  | 31,209                   | 31,287 | 6,624        | 37,911      |
| 1923.....              | 3,500                           | 36,513                   | 40,013 | 29,279       | 69,292      | 77                                  | 28,278                   | 28,355 | 8,470        | 36,825      |
| 1924.....              | 3,500                           | 34,413                   | 37,913 | 27,975       | 65,888      | 77                                  | 24,587                   | 24,664 | 8,931        | 33,595      |
| 1925.....              | 3,500                           | 32,662                   | 36,162 | 29,792       | 65,954      | 77                                  | 29,852                   | 29,929 | 9,897        | 39,826      |
| 1926.....              | 3,500                           | 39,798                   | 43,298 | 31,065       | 74,363      | 77                                  | 29,440                   | 29,517 | 10,001       | 39,518      |

<sup>1</sup> Estimated.

## No. 718.—SILVER: PRICE, AND VALUE OF SILVER IN THE DOLLAR

[NOTE.—The London price represents the equivalent in American money at par of exchange, converted to the basis of the ounce 1,000 fine. The commercial ratio and the value of silver (371 grains) in the dollar are computed from this London price to and including 1917, but up to that time the New York and London quotations were close together, the departure since being due to the depreciation of the pound sterling, for 1918 to 1924, inclusive, these computations are based on the New York average price. Beginning 1925 the ratio reverts again to the London price]

| Calendar year | London, per fine ounce | New York, per fine ounce |       |       | Commercial ratio to gold | Value of silver in dollar |  | Calendar year | London, per fine ounce | New York, per fine ounce |       |       | Commercial ratio to gold | Value of silver in dollar |
|---------------|------------------------|--------------------------|-------|-------|--------------------------|---------------------------|--|---------------|------------------------|--------------------------|-------|-------|--------------------------|---------------------------|
|               |                        | Average                  | High  | Low   |                          |                           |  |               |                        | Average                  | High  | Low   |                          |                           |
| 1825.....     | 1.308                  |                          |       |       | 15.30                    |                           |  | 1899.....     | 0.602                  | 0.605                    | 0.648 | 0.556 | 34.36                    | 0.465                     |
| 1840.....     | 1.323                  |                          |       |       | 15.42                    | 1.023                     |  | 1900.....     | .620                   | .621                     | .658  | .598  | 33.33                    | .490                      |
| 1845.....     | 1.268                  |                          |       |       | 15.92                    | 1.004                     |  | 1901.....     | .596                   | .597                     | .645  | .548  | 34.68                    | .461                      |
| 1850.....     | 1.316                  |                          |       |       | 15.70                    | 1.018                     |  | 1902.....     | .528                   | .528                     | .569  | .474  | 39.15                    | .408                      |
| 1855.....     | 1.344                  |                          |       |       | 15.38                    | 1.039                     |  | 1903.....     | .543                   | .542                     | .624  | .475  | 38.10                    | .420                      |
| 1860.....     | 1.352                  |                          |       |       | 15.29                    | 1.045                     |  | 1904.....     | .579                   | .578                     | .625  | .534  | 35.70                    | .448                      |
| 1865.....     | 1.336                  |                          |       |       | 15.44                    | 1.035                     |  | 1905.....     | .610                   | .610                     | .665  | .556  | 33.87                    | .472                      |
| 1870.....     | 1.328                  |                          |       |       | 15.87                    | 1.027                     |  | 1906.....     | .677                   | .674                     | .724  | .631  | 30.54                    | .594                      |
| 1875.....     | 1.242                  | 1.239                    | 1.261 | 1.210 | 16.64                    | .961                      |  | 1907.....     | .662                   | .660                     | .710  | .528  | 31.24                    | .512                      |
| 1880.....     | 1.145                  | 1.139                    | 1.150 | 1.113 | 18.05                    | .586                      |  | 1908.....     | .535                   | .535                     | .589  | .483  | 38.04                    | .414                      |
| 1881.....     | 1.122                  | 1.128                    | 1.145 | 1.110 | 18.25                    | .576                      |  | 1909.....     | .520                   | .522                     | .546  | .506  | 39.74                    | .402                      |
| 1882.....     | 1.136                  | 1.139                    | 1.150 | 1.090 | 18.20                    | .578                      |  | 1910.....     | .541                   | .542                     | .576  | .508  | 38.22                    | .418                      |
| 1883.....     | 1.109                  | 1.087                    | 1.118 | 1.095 | 18.04                    | .558                      |  | 1911.....     | .539                   | .540                     | .575  | .521  | 38.33                    | .417                      |
| 1884.....     | 1.111                  | 1.112                    | 1.133 | 1.080 | 18.61                    | .559                      |  | 1912.....     | .615                   | .620                     | .656  | .553  | 33.62                    | .473                      |
| 1885.....     | 1.065                  | 1.064                    | 1.095 | 1.028 | 19.41                    | .524                      |  | 1913.....     | .605                   | .612                     | .631  | .580  | 34.19                    | .468                      |
| 1886.....     | .995                   | .999                     | 1.035 | .925  | 20.78                    | .769                      |  | 1914.....     | .553                   | .563                     | .600  | .490  | 37.37                    | .426                      |
| 1887.....     | .979                   | .979                     | 1.035 | .950  | 21.10                    | .768                      |  | 1915.....     | .519                   | .511                     | .580  | .478  | 39.84                    | .401                      |
| 1888.....     | .940                   | .943                     | .978  | .920  | 22.00                    | .727                      |  | 1916.....     | .686                   | .672                     | .791  | .578  | 30.11                    | .531                      |
| 1889.....     | .935                   | .936                     | .973  | .925  | 22.10                    | .723                      |  | 1917.....     | .695                   | .640                     | 1.165 | .731  | 23.09                    | .602                      |
| 1890.....     | 1.046                  | 1.053                    | 1.205 | .958  | 19.75                    | .509                      |  | 1918.....     | 1.042                  | .984                     | 1.025 | .894  | 21.00                    | .761                      |
| 1891.....     | .988                   | .990                     | 1.075 | .948  | 20.92                    | .764                      |  | 1919.....     | 1.250                  | 1.121                    | 1.388 | 1.016 | 18.44                    | .867                      |
| 1892.....     | .871                   | .876                     | .953  | .830  | 23.72                    | .674                      |  | 1920.....     | 1.346                  | 1.019                    | 1.268 | .608  | 20.27                    | .788                      |
| 1893.....     | .780                   | .782                     | .850  | .650  | 26.49                    | .604                      |  | 1921.....     | .805                   | .631                     | .738  | .532  | 32.75                    | .468                      |
| 1894.....     | .635                   | .640                     | .700  | .695  | 32.56                    | .491                      |  | 1922.....     | .754                   | .679                     | .742  | .629  | 30.43                    | .525                      |
| 1895.....     | .654                   | .663                     | .690  | .600  | 31.60                    | .506                      |  | 1923.....     | .700                   | .632                     | .690  | .629  | 31.60                    | .505                      |
| 1896.....     | .676                   | .682                     | .703  | .656  | 30.69                    | .523                      |  | 1924.....     | .745                   | .671                     | .724  | .630  | 30.80                    | .519                      |
| 1897.....     | .604                   | .608                     | .661  | .529  | 34.20                    | .467                      |  | 1925.....     | .703                   | .694                     | .732  | .608  | 29.39                    | .537                      |
| 1898.....     | .590                   | .591                     | .623  | .551  | 35.03                    | .436                      |  | 1926.....     | .629                   | .624                     | .689  | .518  | 32.88                    | .455                      |

Source: Tables 717 and 718: Annual Reports of the Director of the Mint, Treasury Department.

## No. 719.—COAL PRODUCTION: QUANTITY AND VALUE

[NOTE.—Quantities in thousands of short tons; values in thousands of dollars. Includes coal consumed at mines. Figures for anthracite relate to Pennsylvania output only. Bituminous coal includes brown coal and small amounts of anthracite outside of Pennsylvania. Comparatively little coal is held in stock at the mines]

| Year or yearly average | Quantity |            |            | Year                  | Quantity |            |            | Value      |            |
|------------------------|----------|------------|------------|-----------------------|----------|------------|------------|------------|------------|
|                        | Total    | Anthracite | Bituminous |                       | Total    | Anthracite | Bituminous | Anthracite | Bituminous |
| 1821-1830.....         | 140      | 66         | 75         | 1906....              | 414,157  | 71,262     | 342,875    | 131,918    | 381,162    |
| 1831-1840.....         | 1,032    | 722        | 310        | 1907....              | 480,363  | 85,604     | 394,759    | 163,584    | 451,215    |
| 1841-1850.....         | 4,535    | 2,697      | 1,837      | 1908....              | 415,843  | 83,269     | 332,574    | 158,179    | 374,135    |
| 1851-1860.....         | 12,513   | 7,645      | 4,868      | 1909....              | 460,815  | 81,070     | 379,744    | 149,182    | 405,487    |
| 1861-1865.....         | 20,538   | 11,142     | 9,396      | 1910....              | 501,596  | 84,485     | 417,111    | 160,275    | 460,282    |
| 1866-1870.....         | 31,706   | 16,281     | 15,425     | 1911....              | 496,371  | 84,485     | 405,907    | 175,189    | 451,376    |
| 1871-1875.....         | 52,179   | 23,407     | 28,772     | 1912....              | 534,467  | 84,362     | 450,105    | 177,623    | 517,963    |
| 1876-1880.....         | 62,261   | 25,900     | 36,361     | 1913....              | 569,980  | 91,625     | 478,355    | 195,181    | 565,235    |
| 1881-1885.....         | 107,291  | 36,198     | 71,093     | 1914....              | 513,525  | 90,822     | 422,704    | 188,181    | 493,309    |
| 1886-1890.....         | 138,346  | 43,952     | 94,446     | 1915....              | 531,610  | 88,995     | 442,614    | 184,653    | 502,038    |
| 1891-1895.....         | 178,822  | 53,405     | 125,416    | 1916....              | 590,098  | 87,578     | 502,520    | 202,010    | 665,116    |
| 1896-1900.....         | 227,123  | 55,625     | 171,498    | 1917....              | 651,402  | 99,612     | 551,791    | 283,651    | 1,249,273  |
| 1901-1905.....         | 239,357  | 66,854     | 172,503    | 1918....              | 678,212  | 98,826     | 579,386    | 336,480    | 1,491,810  |
| 1906-1910.....         | 454,555  | 81,142     | 373,413    | 1919 <sup>1</sup> ... | 553,952  | 88,092     | 465,860    | 364,927    | 1,160,816  |
| 1911-1915.....         | 529,189  | 89,233     | 439,955    | 1920....              | 658,265  | 89,598     | 568,667    | 434,252    | 2,129,933  |
| 1916-1920.....         | 626,386  | 92,741     | 533,645    | 1921 <sup>1</sup> ... | 506,395  | 90,473     | 415,922    | 452,305    | 1,199,984  |
| 1921-1925.....         | 558,947  | 77,648     | 481,299    | 1922....              | 476,951  | 64,693     | 422,268    | 273,700    | 1,274,820  |
| 1901.....              | 209,300  | 67,472     | 141,828    | 1923....              | 657,904  | 93,339     | 564,565    | 506,787    | 1,514,621  |
| 1902.....              | 301,590  | 41,374     | 260,217    | 1924 <sup>1</sup> ... | 571,613  | 87,927     | 483,687    | 477,231    | 1,062,626  |
| 1903.....              | 357,356  | 74,607     | 282,749    | 1925 <sup>1</sup> ... | 581,870  | 61,817     | 520,053    | 327,665    | 1,050,402  |
| 1904.....              | 351,816  | 73,157     | 278,660    | 1926 <sup>1</sup> ... | 657,804  | 84,437     | 573,367    | 474,164    | 1,183,412  |
| 1905.....              | 392,723  | 77,660     | 315,063    | 1927 <sup>1</sup> ... | 600,456  | 80,652     | 519,804    | 430,000    | 1,040,000  |

| State                 | 1880             | 1890    | 1900    | 1911-1915 | 1916-1920 | 1921-1925 | 1925 <sup>1</sup> | 1926 <sup>1</sup> | 1927 <sup>1</sup> |
|-----------------------|------------------|---------|---------|-----------|-----------|-----------|-------------------|-------------------|-------------------|
| Total quantity..      | 71,482           | 157,771 | 260,634 | 529,189   | 626,386   | 558,947   | 581,870           | 657,804           | 600,456           |
| Anthracite (Pa.)..... | 28,650           | 46,469  | 57,368  | 89,233    | 92,741    | 77,648    | 61,817            | 84,837            | 50,652            |
| Bituminous.....       | 42,831           | 111,302 | 212,316 | 439,956   | 533,645   | 481,299   | 520,053           | 573,367           | 549,804           |
| Alabama.....          | 324              | 4,090   | 8,394   | 15,564    | 17,834    | 18,097    | 20,004            | 21,001            | 18,400            |
| Arkansas.....         | 15               | 400     | 1,448   | 1,986     | 1,980     | 1,261     | 1,220             | 1,459             | 2,079             |
| Colorado.....         | 463              | 3,077   | 5,244   | 9,433     | 11,595    | 10,049    | 10,311            | 10,637            | 9,093             |
| Illinois.....         | 6,115            | 15,292  | 25,768  | 58,320    | 78,255    | 68,523    | 66,909            | 60,367            | 45,408            |
| Indiana.....          | 1,454            | 3,308   | 6,484   | 16,060    | 25,515    | 21,677    | 21,225            | 23,186            | 17,699            |
| Iowa.....             | 1,461            | 4,022   | 5,203   | 7,442     | 7,571     | 4,952     | 4,715             | 4,025             | 2,526             |
| Kansas.....           | 771              | 2,260   | 4,458   | 6,811     | 6,556     | 3,837     | 4,524             | 4,416             | 2,517             |
| Kentucky.....         | 946              | 2,701   | 5,329   | 18,390    | 30,108    | 43,743    | 55,059            | 62,924            | 72,626            |
| Maryland.....         | 2,229            | 3,358   | 4,025   | 4,549     | 4,158     | 2,033     | 2,685             | 3,078             | 2,880             |
| Michigan.....         | 101              | 75      | 849     | 1,271     | 1,301     | 976       | 808               | 687               | 749               |
| Missouri.....         | 844              | 2,735   | 3,540   | 4,048     | 5,086     | 3,011     | 2,694             | 3,008             | 2,741             |
| Montana.....          | ( <sup>2</sup> ) | 517     | 1,662   | 2,972     | 4,008     | 2,881     | 3,044             | 2,798             | 3,206             |
| New Mexico.....       |                  | 376     | 1,299   | 3,618     | 3,728     | 2,772     | 2,567             | 2,818             | 2,908             |
| North Dakota.....     |                  | 30      | 130     | 506       | 787       | 1,221     | 1,325             | 1,370             | 1,483             |
| Ohio.....             | 6,009            | 11,486  | 18,966  | 28,553    | 40,609    | 31,590    | 28,084            | 27,872            | 14,608            |
| Oklahoma.....         | 121              | 869     | 1,922   | 3,720     | 4,292     | 2,741     | 2,326             | 2,843             | 3,125             |
| Pennsylvania.....     | 18,425           | 42,302  | 79,842  | 157,229   | 168,532   | 133,721   | 136,928           | 153,042           | 131,007           |
| Tennessee.....        | 495              | 2,170   | 3,510   | 6,298     | 6,208     | 5,078     | 5,454             | 5,789             | 5,256             |
| Texas.....            |                  | 184     | 968     | 2,201     | 1,980     | 1,064     | 1,008             | 1,091             | 1,124             |
| Utah.....             | 15               | 318     | 1,147   | 2,999     | 4,763     | 4,698     | 4,690             | 4,374             | 4,809             |
| Virginia.....         | 43               | 794     | 2,394   | 7,924     | 10,158    | 10,648    | 12,800            | 14,133            | 13,306            |
| Washington.....       | 145              | 1,264   | 2,474   | 3,261     | 3,575     | 2,626     | 2,538             | 2,587             | 2,381             |
| West Virginia.....    | 1,830            | 7,395   | 22,647  | 69,353    | 86,369    | 97,044    | 122,381           | 143,509           | 151,680           |
| Wyoming.....          | 590              | 1,870   | 4,016   | 6,907     | 8,555     | 6,812     | 6,553             | 6,512             | 7,085             |
| Miscellaneous.....    | 435              | 412     | 565     | 259       | 190       | 239       | 241               | 239               | 217               |

<sup>1</sup> Exclusive of product of wagon mines.<sup>2</sup> Preliminary.<sup>3</sup> Less than 500 tons.

Source: Bureau of Mines, Department of Commerce.

## No. 720.—COAL: EXPORTS, IMPORTS, AND BUNKER COAL LADEN ON VESSELS IN FOREIGN TRADE

(Quantities in thousands of long tons; values in thousands of dollars)

| Yearly average or year | Total exports <sup>1</sup> |         | Anthracite exports |        | Bituminous exports <sup>1</sup> |         | Total imports |        | Bunker coal |        |
|------------------------|----------------------------|---------|--------------------|--------|---------------------------------|---------|---------------|--------|-------------|--------|
|                        | Quantity                   | Value   | Quantity           | Value  | Quantity                        | Value   | Quantity      | Value  | Quantity    | Value  |
| 1891-1895 <sup>1</sup> | 3,028                      | 10,012  | 1,128              | 4,920  | 1,000                           | 5,091   | 1,237         | 3,984  | —           | —      |
| 1896-1900 <sup>2</sup> | 4,710                      | 13,300  | 1,469              | 6,268  | 3,241                           | 7,032   | 1,408         | 3,831  | —           | —      |
| 1901-1905 <sup>1</sup> | 7,750                      | 24,254  | 1,846              | 8,782  | 5,903                           | 15,472  | 2,287         | 6,876  | —           | —      |
| 1906 <sup>1</sup>      | 9,126                      | 28,216  | 1,970              | 9,722  | 7,156                           | 18,494  | 1,857         | 4,481  | 5,110       | 16,111 |
| 1907 <sup>1</sup>      | 11,294                     | 34,728  | 2,482              | 12,155 | 8,812                           | 22,573  | 1,713         | 4,263  | 4,460       | 14,179 |
| 1908 <sup>1</sup>      | 12,723                     | 39,356  | 2,838              | 13,837 | 9,885                           | 25,518  | 2,006         | 5,231  | 5,857       | 19,979 |
| 1909 <sup>1</sup>      | 11,889                     | 37,317  | 2,870              | 14,276 | 9,019                           | 23,041  | 1,232         | 3,519  | 6,004       | 19,672 |
| 1910                   | 13,896                     | 41,471  | 3,022              | 14,785 | 10,794                          | 26,685  | 1,993         | 6,381  | 6,336       | 20,330 |
| 1911                   | 17,433                     | 52,593  | 3,554              | 18,093 | 13,879                          | 34,500  | 1,241         | 3,623  | 6,507       | 20,974 |
| 1912                   | 18,149                     | 56,243  | 3,689              | 19,423 | 14,460                          | 36,818  | 1,610         | 4,514  | 7,002       | 22,804 |
| 1913                   | 22,141                     | 67,410  | 4,154              | 21,060 | 17,987                          | 46,450  | 1,415         | 3,803  | 7,350       | 23,680 |
| 1914                   | 17,632                     | 54,316  | 3,830              | 20,211 | 13,802                          | 34,108  | 1,396         | 3,928  | 7,812       | 25,671 |
| 1915                   | 20,365                     | 61,246  | 3,540              | 18,429 | 16,765                          | 42,817  | 1,524         | 4,413  | 7,003       | 23,694 |
| 1916                   | 23,143                     | 68,298  | 4,166              | 22,470 | 18,977                          | 45,828  | 1,536         | 4,734  | 7,826       | 27,492 |
| 1917                   | 26,649                     | 110,413 | 5,304              | 30,910 | 21,345                          | 79,503  | 1,304         | 4,842  | 6,893       | 31,945 |
| 1918                   | 24,392                     | 107,881 | 4,436              | 30,216 | 19,956                          | 78,665  | 1,334         | 6,898  | 5,512       | 29,881 |
| 1919                   | 22,402                     | 120,377 | 4,443              | 30,608 | 17,959                          | 93,768  | 977           | 5,473  | 7,343       | 40,208 |
| 1920                   | 39,215                     | 349,811 | 4,820              | 45,538 | 34,390                          | 304,273 | 1,140         | 6,942  | 9,302       | 82,467 |
| 1921                   | 24,829                     | 168,222 | 4,176              | 45,625 | 20,653                          | 122,597 | 1,131         | 7,457  | 7,548       | 52,278 |
| 1922                   | 13,449                     | 91,242  | 2,366              | 25,351 | 11,083                          | 65,892  | 4,726         | 28,250 | 4,120       | 27,913 |
| 1923                   | 23,700                     | 154,124 | 4,545              | 49,577 | 19,155                          | 104,547 | 1,949         | 12,249 | 4,647       | 31,476 |
| 1924                   | 18,855                     | 111,039 | 5,587              | 40,088 | 13,268                          | 70,971  | 478           | 3,019  | 3,982       | 23,893 |
| 1925                   | 15,429                     | 100,163 | 2,838              | 31,761 | 12,591                          | 68,403  | 879           | 5,846  | 4,344       | 23,388 |
| 1926                   | 35,091                     | 196,905 | 3,698              | 41,086 | 31,393                          | 155,819 | 1,291         | 9,301  | 6,907       | 38,026 |
| 1927                   | 19,051                     | 104,257 | 2,909              | 32,036 | 16,082                          | 71,329  | 5,917         | 3,284  | 4,076       | 22,677 |

<sup>1</sup> Does not include fuel or bunker coal laden on vessels engaged in the foreign trade.<sup>2</sup> Fiscal years ended June 30.<sup>3</sup> Figures do not include coal laden on vessels on the Great Lakes.

## No. 721.—COAL: SHIPMENTS, AVERAGE VALUE PER TON, AND MEN EMPLOYED

| Calendar year | Thousand tons (2,000 pounds) |              |               |                         | Average value per ton | Men employed | Days worked | Average tonnage per man— |          | Per cent mined by machine | Calculated capacity, at 280 days (million net tons) |
|---------------|------------------------------|--------------|---------------|-------------------------|-----------------------|--------------|-------------|--------------------------|----------|---------------------------|---|
|               | Loaded for shipment          | Sold locally | Used by mines | Made into coke at mines |                       |              |             | Per day                  | Per year |                           |   |
| ANTHRACITE    |                              |              |               |                         |                       |              |             |                          |          |                           |   |
| 1890          | 41,011                       | 2,001        | 3,457         |                         | \$1.43                | 126,000      | 300         | 1.85                     | 360      |                           |   |
| 1895          | 52,993                       | 1,815        | 4,591         |                         | 1.41                  | 142,917      | 196         | 2.07                     | 406      |                           |   |
| 1900          | 50,710                       | 1,208        | 5,550         |                         | 1.49                  | 144,206      | 166         | 2.40                     | 598      |                           |   |
| 1905          | 69,053                       | 1,571        | 7,086         |                         | 1.83                  | 165,406      | 215         | 2.19                     | 470      |                           |   |
| 1910          | 73,428                       | 2,021        | 8,541         |                         | 1.90                  | 169,497      | 229         | 2.17                     | 498      |                           |   |
| 1915          | 76,906                       | 2,092        | 10,997        |                         | 2.07                  | 176,552      | 230         | 2.19                     | 504      | 1.5                       |   |
| 1920          | 76,844                       | 2,597        | 9,858         |                         | 4.85                  | 145,074      | 271         | 2.28                     | 618      | 1.1                       |   |
| 1921          | 77,901                       | 2,813        | 9,760         |                         | 5.00                  | 150,499      | 271         | 2.09                     | 567      | 1.1                       |   |
| 1922          | 46,003                       | 2,378        | 9,302         |                         | 5.01                  | 156,849      | 161         | 2.31                     | 849      | 1.0                       |   |
| 1923          | 82,239                       | 3,248        | 7,852         |                         | 5.43                  | 157,743      | 368         | 2.21                     | 592      | 1.4                       |   |
| 1924          | 77,247                       | 3,044        | 7,685         |                         | 5.43                  | 160,009      | 274         | 2.00                     | 550      | 1.7                       |   |
| 1925          | 53,768                       | 2,885        | 5,184         |                         | 5.30                  | 160,312      | 182         | 2.12                     | 386      | 1.6                       |   |
| 1926          | 75,319                       | 2,687        | 6,481         |                         | 5.62                  | 165,356      | 244         | 2.09                     | 511      | 1.1                       |   |
| BITUMINOUS    |                              |              |               |                         |                       |              |             |                          |          |                           |   |
| 1890          | 87,378                       | 7,008        | 1,607         | 15,332                  | .90                   | 192,204      | 226         | 2.56                     | 579      | 5.3                       | 137   |
| 1895          | 100,287                      | 8,340        | 2,046         | 18,404                  | .89                   | 239,902      | 194         | 2.90                     | 563      | 11.9                      | 196   |
| 1900          | 173,072                      | 7,868        | 3,740         | 27,635                  | 1.04                  | 304,375      | 234         | 2.98                     | 697      | 24.9                      | 354   |
| 1905          | 235,201                      | 10,639       | 7,007         | 42,412                  | 1.00                  | 480,629      | 211         | 3.24                     | 684      | 32.8                      | 417   |
| 1910          | 342,809                      | 12,287       | 9,608         | 52,187                  | 1.12                  | 555,533      | 217         | 3.46                     | 751      | 41.7                      | 526   |
| 1915          | 379,877                      | 12,354       | 9,799         | 40,595                  | 1.13                  | 557,456      | 203         | 3.91                     | 794      | 55.0                      | 610   |
| 1920          | 504,873                      | 21,299       | 11,896        | 30,608                  | 3.75                  | 639,547      | 220         | 4.00                     | 881      | 59.8                      | 725   |
| 1921          | 382,064                      | 16,136       | 9,123         | 8,599                   | 2.89                  | 693,754      | 149         | 4.20                     | 637      | 65.6                      | 761   |
| 1922          | 381,677                      | 17,506       | 7,831         | 13,253                  | 3.02                  | 697,958      | 147         | 4.28                     | 609      | 63.2                      | 832   |
| 1923          | 505,600                      | 21,933       | 8,765         | 21,850                  | 2.68                  | 702,817      | 179         | 4.47                     | 801      | 66.9                      | 895   |
| 1924          | 441,566                      | 21,111       | 8,618         | 14,362                  | 2.20                  | 612,604      | 171         | 4.50                     | 780      | 60.5                      | 793   |
| 1925          | 477,178                      | 21,851       | 5,776         | 15,783                  | 2.04                  | 658,493      | 195         | 4.52                     | 884      | 70.6                      | 746   |
| 1926          | 536,266                      | 25,002       | 6,728         | 17,751                  | 2.06                  | 693,647      | 215         | 4.50                     | 966      | 71.7                      | 767   |

<sup>1</sup> Not available.<sup>2</sup> 1891.<sup>3</sup> 1895.

Sources: Table 720, Bureau of Foreign and Domestic Commerce; Table 721, Bureau of Mines, Department of Commerce.



## No. 722.—LABOR STRIKES IN COAL MINES

| Year | Men on strike | Working days lost | Average days lost per man | Year | Men on strike | Working days lost | Average days lost per man |
|------|---------------|-------------------|---------------------------|------|---------------|-------------------|---------------------------|
| 1907 | 32,540        | 482,392           | 14                        | 1917 | 160,240       | 2,343,309         | 15                        |
| 1908 | 145,145       | 5,449,938         | 38                        | 1918 | 79,395        | 808,536           | 6                         |
| 1909 | 24,763        | 723,624           | 29                        | 1919 | 453,418       | 15,761,410        | 35                        |
| 1910 | 218,493       | 19,250,524        | 88                        | 1920 | 282,419       | 5,914,473         | 21                        |
| 1911 | 41,413        | 983,737           | 24                        | 1921 | 151,263       | 3,106,103         | 21                        |
| 1912 | 311,056       | 12,627,305        | 40                        | 1922 | 603,081       | 73,497,043        | 123                       |
| 1913 | 135,395       | 3,049,412         | 23                        | 1923 | 197,214       | 3,868,543         | 20                        |
| 1914 | 161,720       | 11,013,667        | 68                        | 1924 | 129,452       | 5,262,748         | 41                        |
| 1915 | 67,190        | 2,467,431         | 37                        | 1925 | 186,366       | 16,433,036        | 88                        |
| 1916 | 170,633       | 3,344,686         | 20                        | 1926 | 174,724       | 6,707,778         | 38                        |

| State            | 1923          |           | 1924          |           | 1925          |            | 1926          |           |
|------------------|---------------|-----------|---------------|-----------|---------------|------------|---------------|-----------|
|                  | Men on strike | Days lost | Men on strike | Days lost | Men on strike | Days lost  | Men on strike | Days lost |
| Grand total      | 197,214       | 3,868,543 | 129,452       | 5,262,748 | 186,366       | 16,433,036 | 174,724       | 6,707,778 |
| Anthracite (Pa.) | 136,585       | 2,928,418 | 71,373        | 1,142,630 | 167,933       | 15,244,506 | 145,376       | 5,980,477 |
| Total bituminous | 61,629        | 1,239,125 | 58,179        | 4,119,118 | 38,441        | 1,188,530  | 29,348        | 717,301   |
| Arkansas         | 324           | 9,009     | 1,076         | 29,272    | 560           | 41,928     | 206           | 1,635     |
| Colorado         |               |           | 120           | 840       | 505           | 6,943      |               |           |
| Illinois         | 7,474         | 95,458    | 4,217         | 50,101    | 4,870         | 25,180     | 987           | 12,009    |
| Indiana          | 10,765        | 104,004   | 7,099         | 159,743   | 7,919         | 96,963     | 10,450        | 178,375   |
| Iowa             | 1,946         | 19,874    | 986           | 16,445    | 1,267         | 3,740      | 932           | 19,516    |
| Kansas           | 949           | 24,741    | 2,706         | 118,918   | 530           | 6,080      | 118           | 1,500     |
| Kentucky         | 2,099         | 92,035    | 3,938         | 1,735,739 | 1,964         | 162,534    | 686           | 13,170    |
| Maryland         | 2,686         | 259,920   | 168           | 504       |               |            | 603           | 3,280     |
| Michigan         | 786           | 3,992     | 425           | 1,525     | 725           | 5,575      | 225           | 225       |
| Missouri         | 312           | 10,857    | 1,580         | 76,660    | 110           | 1,287      | 64            | 760       |
| Montana          | 25            | 25        | 17            | 53        |               |            | 225           | 480       |
| North Dakota     | 85            | 6,933     |               |           |               |            |               |           |
| Ohio             | 16,466        | 203,161   | 10,256        | 217,752   | 6,572         | 170,208    | 6,857         | 85,118    |
| Oklahoma         | 1,020         | 8,211     | 1,318         | 144,607   | 352           | 16,773     | 20            | 20        |
| Pennsylvania     | 10,984        | 167,130   | 8,793         | 361,226   | 7,414         | 224,880    | 4,922         | 272,918   |
| Tennessee        | 572           | 24,766    | 2,134         | 244,945   | 250           | 2,350      |               | 300       |
| Texas            | 137           | 18,141    |               |           | 87            | 261        |               |           |
| Utah             |               |           | 56            | 310       | 280           | 10,920     |               |           |
| Washington       | 1,754         | 50,681    |               |           |               |            |               |           |
| West Virginia    | 2,625         | 49,587    | 7,086         | 1,090,478 | 4,056         | 376,399    | 2,692         | 126,242   |
| Other States     |               |           |               |           |               |            | 60            | 120       |

<sup>1</sup> Bituminous mines only.

Source: Bureau of Mines, Department of Commerce.

No. 723.—COAL: AVERAGE AND RELATIVE RETAIL PRICES<sup>1</sup> IN TON LOTS

| Year              | Anthracite—Chestnut |       |                  |      | Anthracite—Stove |       |                  |      | Bituminous    |       |                |      |
|-------------------|---------------------|-------|------------------|------|------------------|-------|------------------|------|---------------|-------|----------------|------|
|                   | Average price       |       | Relative price   |      | Average price    |       | Relative price   |      | Average price |       | Relative price |      |
|                   | Dollars             |       | 100              |      | Dollars          |       | 100              |      | Dollars       |       | 100            |      |
| 1913 <sup>1</sup> | 7.91                |       |                  |      | 7.73             |       |                  |      | 5.43          |       |                |      |
|                   | Jan.                | July  | Jan.             | July | Jan.             | July  | Jan.             | July | Jan.          | July  | Jan.           | July |
| 1914              | 8.13                | 8.28  | 103              | 105  | 7.98             | 8.12  | 103              | 105  | 5.69          | 5.52  | 105            | 102  |
| 1917              | 9.40                | 9.16  | 119              | 116  | 9.29             | 9.08  | 120              | 118  | 6.96          | 7.21  | 128            | 133  |
| 1918              | 10.03               | 10.07 | 127              | 127  | 9.86             | 9.96  | 125              | 129  | 7.68          | 7.92  | 141            | 146  |
| 1919              | 11.61               | 12.17 | 147              | 154  | 11.51            | 12.14 | 146              | 157  | 7.90          | 8.10  | 145            | 149  |
| 1920              | 12.77               | 14.33 | 161              | 181  | 12.59            | 14.28 | 163              | 185  | 10.55         | 10.55 | 162            | 194  |
| 1921              | 16.13               | 14.95 | 204              | 189  | 15.99            | 14.90 | 207              | 193  | 11.82         | 10.47 | 218            | 193  |
| 1922              | 15.02               | 14.92 | 190              | 189  | 14.08            | 14.67 | 194              | 192  | 9.89          | 9.49  | 182            | 175  |
| 1923              | 15.46               | 15.05 | 195              | 190  | 15.43            | 15.10 | 200              | 196  | 11.18         | 10.64 | 206            | 185  |
| 1924              | 15.76               | 15.10 | 199              |      | 15.77            | 15.24 | 204              | 197  | 9.75          | 8.94  | 180            | 165  |
| 1925              | 15.37               | 14.93 | 194              | 189  | 15.45            | 15.14 | 200              | 196  | 9.24          | 8.61  | 170            | 159  |
| 1926              | ( <sup>2</sup> )    | 15.19 | ( <sup>2</sup> ) | 192  | ( <sup>2</sup> ) | 15.43 | ( <sup>2</sup> ) | 200  | 9.74          | 8.70  | 179            | 160  |
| 1927              | 15.42               | 14.81 | 195              | 187  | 15.66            | 15.15 | 203              | 196  | 9.96          | 8.91  | 183            | 164  |
| 1928              | 15.08               |       | 191              |      | 15.44            |       | 200              |      | 9.30          |       | 171            |      |

<sup>1</sup> Prices represent combined averages for cities shown in Table 724.

<sup>2</sup> Average of prices for January and July, 1913. This is used as a base in working relative prices.

<sup>3</sup> Insufficient data.

Source: Bureau of Labor Statistics, Department of Labor.

## No. 724.—COAL: RETAIL PRICES, FOR HOUSEHOLD USE, AS OF JANUARY 15

[Prices (in dollars) of coal per ton of 2,000 pounds unless otherwise specified]

| City                  | Anthracite, <sup>1</sup> chestnut |       |      |       |       | Bituminous |       |       |       |       |
|-----------------------|-----------------------------------|-------|------|-------|-------|------------|-------|-------|-------|-------|
|                       | 1924                              | 1925  | 1926 | 1927  | 1928  | 1924       | 1925  | 1926  | 1927  | 1928  |
| Atlanta, Ga.          |                                   |       |      |       |       | 8.13       | 7.32  | 8.47  | 8.67  | 7.98  |
| Baltimore, Md.        | 15.50                             | 15.75 | (9)  | 15.80 | 15.25 | 7.90       | 7.38  | 8.00  | 8.22  | 8.07  |
| Birmingham, Ala.      |                                   |       |      |       |       | 8.23       | 7.79  | 7.62  | 8.09  | 7.73  |
| Boston, Mass.         | 18.00                             | 16.00 | (9)  | 16.25 | 16.00 |            |       |       |       |       |
| Bridgeport, Conn.     | 16.50                             | 15.38 | (9)  | 16.00 | 14.88 |            |       |       |       |       |
| Buffalo, N. Y.        | 13.66                             | 13.55 | (9)  | 13.37 | 13.61 |            |       |       |       |       |
| Butte, Mont.          |                                   |       |      |       |       | 11.42      | 11.05 | 11.04 | 11.02 | 10.86 |
| Charleston, S. C.     | 17.10                             | 17.10 |      |       |       | 12.00      | 11.00 | 11.00 | 11.00 | 11.00 |
| Chicago, Ill.         | 17.00                             | 16.70 | (9)  | 16.80 | 16.45 | 8.69       | 8.51  | 9.48  | 9.85  | 9.21  |
| Cincinnati, Ohio.     |                                   |       |      |       |       | 8.09       | 7.21  | 7.77  | 7.50  | 7.01  |
| Cleveland, Ohio.      | 14.47                             | 14.68 | (9)  | 15.05 | 14.80 | 8.47       | 8.37  | 9.47  | 9.73  | 9.09  |
| Columbus, Ohio.       |                                   |       |      |       |       | 7.25       | 6.58  | 7.40  | 7.75  | 7.21  |
| Dallas, Tex.          | 17.58                             | 17.75 | (9)  | 16.00 | 15.75 | 14.68      | 14.22 | 13.83 | 13.22 | 12.70 |
| Denver, Colo.         | 16.75                             | 16.33 | (9)  | 16.00 | 16.00 | 10.72      | 9.47  | 10.58 | 10.73 | 10.50 |
| Detroit, Mich.        | 16.13                             | 15.28 | (9)  | 15.75 | 15.50 | 9.48       | 8.98  | 10.59 | 10.34 | 9.31  |
| Fall River, Mass.     | 15.92                             | 15.83 | (9)  | 16.25 | 16.25 |            |       |       |       |       |
| Houston, Tex.         |                                   |       |      |       |       | 13.17      | 12.38 | 12.75 | 13.50 | 12.80 |
| Indianapolis, Ind.    | 16.50                             | 16.50 |      |       |       | 7.10       | 7.15  | 7.53  | 7.67  | 7.27  |
| Jacksonville, Fla.    |                                   |       |      |       |       | 13.00      | 12.00 | 14.00 | 14.00 | 14.00 |
| Kansas City, Mo.      | 16.29                             | 15.17 | (9)  | 14.50 | 14.10 | 8.50       | 8.13  | 7.96  | 7.81  | 7.50  |
| Little Rock, Ark.     | 13.00                             | 15.00 | (9)  | 14.00 | 13.50 | 11.57      | 11.00 | 11.27 | 10.80 | 10.60 |
| Los Angeles, Calif.   |                                   |       |      |       |       | 15.70      | 16.31 | 16.04 | 16.50 | 16.30 |
| Louisville, Ky.       |                                   |       |      |       |       | 8.70       | 7.37  | 7.43  | 8.42  | 7.44  |
| Manchester, N. H.     | 17.50                             | 17.00 | (9)  | 17.50 | 17.25 |            |       |       |       |       |
| Memphis, Tenn.        |                                   |       |      |       |       | 8.00       | 8.11  | 7.84  | 8.80  | 8.23  |
| Milwaukee, Wis.       | 16.59                             | 16.55 | (9)  | 16.65 | 16.20 | 10.19      | 9.59  | 11.42 | 11.32 | 9.48  |
| Minneapolis, Minn.    | 18.06                             | 17.95 | (9)  | 17.75 | 17.70 | 11.51      | 10.93 | 11.35 | 11.75 | 11.72 |
| Mobile, Ala.          |                                   |       |      |       |       | 11.07      | 10.02 | 9.62  | 10.12 | 9.54  |
| Newark, N. J.         | 13.45                             | 13.43 | (9)  | 13.50 | 13.50 |            |       |       |       |       |
| New Haven, Conn.      | 16.00                             | 15.20 | (9)  | 15.40 | 15.10 |            |       |       |       |       |
| New Orleans, La.      | 21.75                             |       |      |       |       | 11.26      | 11.19 | 11.14 | 11.29 | 11.29 |
| New York, N. Y.       | 14.50                             | 14.33 | (9)  | 14.50 | 14.42 |            |       |       |       |       |
| Norfolk, Va.          | 16.00                             | 15.50 | (9)  | 16.00 | 15.00 | 8.53       | 9.27  | 10.52 | 9.66  | 9.05  |
| Omaha, Nebr.          |                                   |       |      |       |       | 10.17      | 10.04 | 10.33 | 10.19 | 10.36 |
| Peoria, Ill.          |                                   |       |      |       |       | 6.37       | 6.79  | 7.11  | 7.29  | 7.10  |
| Philadelphia, Pa.     | 15.75                             | 15.82 | (9)  | 15.54 | 14.43 |            |       |       |       |       |
| Pittsburgh, Pa.       | 17.00                             | 16.50 | (9)  | 15.88 | 14.88 | 7.25       | 6.83  | 6.13  | 6.24  | 5.85  |
| Portland, Me.         | 16.56                             | 16.56 | (9)  | 16.80 | 16.80 |            |       |       |       |       |
| Portland, Oreg.       |                                   |       |      |       |       | 13.80      | 13.64 | 13.24 | 13.34 | 12.82 |
| Providence, R. I.     | 10.35                             | 16.00 | (9)  | 16.50 | 10.00 |            |       |       |       |       |
| Richmond, Va.         | 16.50                             | 16.50 | (9)  | 16.50 | 15.50 | 11.36      | 8.83  | 11.32 | 11.55 | 9.70  |
| Rochester, N. Y.      | 14.10                             | 14.15 | (9)  | 14.15 | 14.15 |            |       |       |       |       |
| St. Louis, Mo.        | 17.38                             | 16.88 | (9)  | 17.20 | 16.45 | 7.23       | 6.69  | 6.62  | 7.50  | 7.02  |
| St. Paul, Minn.       | 18.09                             | 17.95 | (9)  | 17.75 | 17.70 | 11.59      | 11.57 | 11.56 | 12.16 | 11.98 |
| Salt Lake City, Utah  | 17.50                             | 18.50 | (9)  | 18.00 | 18.00 | 8.50       | 8.40  | 8.43  | 8.47  | 8.34  |
| San Francisco, Calif. | 26.50                             | 26.50 | (9)  | 26.50 | 26.50 | 17.22      | 17.28 | 17.06 | 17.11 | 17.26 |
| Savannah, Ga.         | 17.05                             | 17.00 |      |       |       | 12.12      | 11.50 | 12.75 | 12.25 | 11.13 |
| Scranton, Pa.         | 10.53                             | 10.62 | (9)  | 10.67 | 10.50 |            |       |       |       |       |
| Seattle, Wash.        |                                   |       |      |       |       | 10.24      | 10.21 | 9.96  | 10.47 | 10.18 |
| Springfield, Ill.     |                                   |       |      |       |       | 4.50       | 4.25  | 4.36  | 4.38  | 4.44  |
| Washington, D. C.     | 16.24                             | 15.67 | (9)  | 15.54 | 15.01 | 9.04       | 8.88  | 9.88  | 9.75  | 8.75  |

<sup>1</sup> The term "anthracite" signifies Pennsylvania anthracite, except as indicated by notes.<sup>2</sup> Per ton of 2,240 pounds.<sup>3</sup> Insufficient data.<sup>4</sup> Arkansas anthracite, egg, or furnace.<sup>5</sup> Colorado anthracite, furnace, 1 and 2 mixed.<sup>6</sup> 50 cents per ton additional is charged for binning.<sup>7</sup> New Mexico anthracite.<sup>8</sup> All coal sold is weighed by the city; charge of 10 cents per ton is included in the price.<sup>9</sup> Price in Zone A. The cartage charges range from \$1.25 to \$2.25 and are included in the price.<sup>10</sup> Bituminous prices for 1925 and later years are for "Prepared sizes high volatile."

Source: Bureau of Labor Statistics, Department of Labor.

## No. 725.—COKE: PRODUCTION, EXPORTS, AND IMPORTS

| Yearly average or year  | Production in thousands of tons (2,000 pounds) |               |                  | By-product ovens, per cent of total | Production (value) in thousands of dollars | Exports                | Imports <sup>1</sup> |
|-------------------------|--|---------------|------------------|-------------------------------------|--|------------------------|----------------------|
|                         | Total  | Beehive ovens | By-product ovens |                                     |  | Thousand of short tons |                      |
| 1896-1900.....          | 16,265   | 15,741        | 524              | 3.2                                 | 30,293                                     | 249                    | 54                   |
| 1901-1905.....          | 25,673   | 23,566        | 2,107            | 8.2                                 | 58,581                                     | 517                    | 150                  |
| 1906-1910.....          | 36,848   | 31,296        | 5,552            | 15.1                                | 91,068                                     | 904                    | 159                  |
| 1911-1915.....          | 40,394   | 29,000        | 11,394           | 28.2                                | 103,739                                    | 897                    | 98                   |
| 1916-1920.....          | 52,429   | 27,733        | 24,696           | 47.1                                | 320,799                                    | 1,182                  | 34                   |
| 1921-1925.....          | 42,985   | 11,026        | 31,959           | 74.4                                | 251,967                                    | 734                    | 99                   |
| 1914.....               | 34,556   | 23,336        | 11,220           | 32.5                                | 88,334                                     | 664                    | 133                  |
| 1915.....               | 41,581   | 27,508        | 14,073           | 33.8                                | 105,504                                    | 896                    | 53                   |
| 1916.....               | 54,534   | 35,464        | 19,069           | 35.0                                | 170,841                                    | 1,175                  | 55                   |
| 1917.....               | 55,607   | 33,168        | 22,439           | 40.4                                | 298,243                                    | 1,409                  | 25                   |
| 1918.....               | 56,478   | 30,481        | 25,998           | 46.0                                | 382,324                                    | 1,688                  | 30                   |
| 1919.....               | 44,181   | 19,043        | 25,138           | 56.9                                | 258,340                                    | 717                    | 16                   |
| 1920.....               | 51,345   | 20,511        | 30,834           | 60.0                                | 475,981                                    | 920                    | 41                   |
| 1921.....               | 25,288   | 5,538         | 19,750           | 78.1                                | 147,673                                    | 307                    | 31                   |
| 1922.....               | 37,124   | 8,573         | 28,551           | 76.9                                | 238,313                                    | 512                    | 94                   |
| 1923.....               | 56,978   | 19,380        | 37,598           | 66.0                                | 373,497                                    | 1,237                  | 85                   |
| 1924.....               | 44,270   | 10,286        | 33,984           | 76.8                                | 244,042                                    | 660                    | 83                   |
| 1925.....               | 51,267   | 11,355        | 39,912           | 77.9                                | 262,559                                    | 954                    | 202                  |
| 1926.....               | 56,866   | 12,489        | 44,377           | 78.0                                | 307,773                                    | 987                    | 285                  |
| 1927 <sup>2</sup> ..... | 50,925   | 7,004         | 43,921           | 86.2                                | ( <sup>3</sup> )                           | 807                    | 169                  |

<sup>1</sup> Imports entered for consumption, prior to 1925.<sup>2</sup> Preliminary.<sup>3</sup> Not available.

Source: Bureau of Mines, Department of Commerce.

No. 726.—COKE: BY-PRODUCT AND BEEHIVE PRODUCTION, BY STATES  
[Figures in thousands of tons of 2,000 pounds]

|                       | 1915             | 1920             | 1921             | 1922   | 1923   | 1924   | 1925             | 1926             | 1927 <sup>1</sup> |
|-----------------------|------------------|------------------|------------------|--------|--------|--------|------------------|------------------|-------------------|
| <b>BY-PRODUCT</b>     |                  |                  |                  |        |        |        |                  |                  |                   |
| Total.....            | 14,073           | 30,834           | 19,750           | 28,551 | 37,598 | 33,984 | 39,912           | 44,377           | 43,921            |
| Alabama.....          | 2,070            | 3,124            | 2,401            | 3,494  | 4,385  | 4,386  | 4,582            | 4,790            | 4,330             |
| Colorado.....         |                  | 517              | 267              | 365    | 448    | 523    | 490              | 593              | 593               |
| Illinois.....         | 1,687            | 2,137            | 1,322            | 1,983  | 3,187  | 2,355  | 3,012            | 3,337            | 2,986             |
| Indiana.....          | 2,768            | 4,554            | 3,091            | 3,996  | 5,043  | 4,272  | 5,142            | 5,990            | 5,499             |
| Kentucky.....         | 242              | 467              | 185              | 457    | 434    |        |                  |                  | ( <sup>2</sup> )  |
| Maryland.....         | 313              | 682              | 292              | 590    | 862    | 810    | 1,019            | 1,121            | 1,077             |
| Massachusetts.....    | 504              | 488              | 294              | 407    | 554    | 398    | 535              | 574              | 799               |
| Michigan.....         | ( <sup>3</sup> ) | 1,393            | 777              | 1,142  | 1,649  | 1,771  | 1,751            | 1,827            | 1,923             |
| Minnesota.....        | 128              | 675              | 436              | 462    | 696    | 515    | 518              | 620              | 633               |
| New Jersey.....       | 269              | 726              | 740              | 791    | 898    | 869    | 904              | 913              | 911               |
| New York.....         | 684              | 1,040            | 747              | 1,495  | 1,784  | 1,601  | 2,220            | 2,828            | 3,523             |
| Ohio.....             | 666              | 5,615            | 2,966            | 4,912  | 6,324  | 5,723  | 7,105            | 7,548            | 7,129             |
| Pennsylvania.....     | 3,092            | 7,730            | 5,303            | 7,152  | 9,186  | 8,426  | 9,853            | 11,200           | 11,320            |
| West Virginia.....    | 141              | 447              | 188              | 502    | 941    | 999    | 1,056            | 1,130            | 1,401             |
| All other States..... | 1,507            | 1,239            | 719              | 804    | 1,208  | 1,335  | 1,725            | 1,916            | 1,788             |
| <b>BEEHIVE</b>        |                  |                  |                  |        |        |        |                  |                  |                   |
| Total.....            | 27,508           | 20,511           | 5,538            | 8,573  | 19,380 | 10,286 | 11,355           | 12,489           | 7,004             |
| Pennsylvania.....     | 22,531           | 15,908           | 4,466            | 6,840  | 16,439 | 8,501  | 9,574            | 10,722           | 5,477             |
| Ohio.....             | 19               | 87               | 62               | 99     | 150    | 110    | 156              | 85               |                   |
| West Virginia.....    | 1,250            | 1,381            | 210              | 418    | 822    | 330    | 490              | 584              | 910               |
| Alabama.....          | 1,001            | 890              | 133              | 306    | 269    | 155    | 88               | ( <sup>2</sup> ) |                   |
| Kentucky.....         | 285              | 273              | 99               | 31     | 126    | 79     | ( <sup>3</sup> ) | 148              | 256               |
| Tennessee.....        | 234              | 163              | 28               | 86     | 180    | 132    | 128              | 122              |                   |
| Virginia.....         | 630              | 1,028            | 280              | 379    | 775    | 485    | 422              | 371              | ( <sup>4</sup> )  |
| Colorado.....         | 671              | 273              | 81               | 119    | 200    | 212    | 155              | 197              | 193               |
| Utah.....             | ( <sup>5</sup> ) | ( <sup>5</sup> ) | ( <sup>5</sup> ) | 172    | 233    | 160    | 146              | 122              | 168               |
| All other States..... | 887              | 509              | 178              | 123    | 188    | 123    | 196              | 138              | -----             |

<sup>1</sup> Figures are preliminary.<sup>2</sup> Included under "all other States."<sup>3</sup> Virginia figures included in West Virginia.<sup>4</sup> Including Georgia.<sup>5</sup> Including New Mexico.<sup>6</sup> Including Washington.

Source: Bureau of Mines, Department of Commerce.

**No. 727.—MANUFACTURED GAS INDUSTRY: MATERIALS USED AND PRODUCTS**

[NOTE.—These figures cover establishments engaged primarily in the commercial manufacture of gas to be delivered through mains. Gas produced and consumed within the same establishments, blast-furnace gas, and gas resulting from by-product coke-oven operation are not included.]

| Material or product               | Unit          | Quantity (thousands of unit specified) |                |                | Cost or value (thousands of dollars) |                |                |
|-----------------------------------|---------------|--|----------------|----------------|--------------------------------------|----------------|----------------|
|                                   |               | 1914                                   | 1920           | 1925           | 1914                                 | 1920           | 1925           |
| <b>Materials used, total cost</b> |               |  |                |                | 78,779                               | 191,199        | 176,493        |
| Coal for gas making               | Short ton     | 6,117                                  |                |                | 20,873                               |                |                |
| Anthracite                        | Long ton      |  | 939            | 619            |                                      |                |                |
| Bituminous                        | Short ton     |  | 6,298          | 6,671          |                                      |                |                |
| Oil for gas making                | Gallon        | 716,419                                | 176,764        | 212,211        | 24,721                               |                |                |
| Oil for enriching                 | do            |  | 697,479        | 679,379        |                                      |                |                |
| Gas purchased                     | M feet        | 28,281                                 | 30,611         | 64,809         | 3,959                                |                |                |
| <b>Products, total value</b>      |               |  |                |                | 229,226                              | 456,997        | 455,499        |
| Commercial plants                 |               |  |                |                | 212,481                              | 442,502        |                |
| Municipal plants                  |               |  |                |                | 1,745                                | 8,594          |                |
| <b>Gas, total</b>                 | <b>M feet</b> | <b>282,699</b>                         | <b>336,344</b> | <b>389,699</b> | <b>174,096</b>                       | <b>394,899</b> | <b>399,699</b> |
| Coal gas                          | do            | 10,849                                 | 7,561          | 7,411          | 12,737                               | 12,962         | 12,491         |
| Carburized water gas              | do            | 90,918                                 | 117,217        | 112,186        | 74,217                               | 124,744        | 124,624        |
| Mixed coal and water gas          | do            | 89,261                                 | 208,238        | 210,743        | 72,613                               | 229,961        | 212,266        |
| Oil gas                           | do            | 16,412                                 | 19,739         | 24,269         | 18,044                               | 22,989         | 24,646         |
| Other gas                         | do            | 218                                    | 8,710          | 4,774          | 2,926                                | 2,899          | 2,294          |
| <b>Coke for sale</b>              | <b>Ton</b>    | <b>2,269</b>                           | <b>2,175</b>   | <b>2,266</b>   | <b>8,739</b>                         | <b>21,852</b>  | <b>20,731</b>  |
| <b>Tar for sale:</b>              |               |  |                |                |                                      |                |                |
| Coal gas                          | Gallon        |  | 55,877         | 62,806         | 2,266                                | 2,099          | 2,847          |
| Water gas and oil gas             | do            |  | 49,991         | 61,471         |                                      | 2,001          | 2,294          |
| <b>All other products</b>         |               |  |                |                | <b>23,199</b>                        | <b>28,016</b>  | <b>32,691</b>  |

Source: Bureau of the Census, Department of Commerce.

**No. 728.—AVERAGE NET PRICE OF MANUFACTURED GAS**

[NOTE.—Net prices for the first 1,000 cubic feet for household use in cities specified in the first section of Table 730.]

| Date          | Actual | Relative | Date          | Actual | Relative | Date          | Actual | Relative |
|---------------|--------|----------|---------------|--------|----------|---------------|--------|----------|
| Apr. 15, 1913 | \$0.95 | 100      | Apr. 15, 1919 | \$1.04 | 110      | Dec. 15, 1924 | \$1.24 | 131      |
| Apr. 15, 1914 | .94    | 99       | Apr. 15, 1920 | 1.09   | 115      | Dec. 15, 1925 | 1.23   | 130      |
| Apr. 15, 1915 | .93    | 98       | May 15, 1921  | 1.32   | 139      | Dec. 15, 1926 | 1.22   | 128      |
| Apr. 15, 1916 | .92    | 97       | Mar. 15, 1922 | 1.29   | 136      | Dec. 15, 1927 | 1.22   | 128      |
| Apr. 15, 1917 | .91    | 96       | Mar. 15, 1923 | 1.25   | 132      |               |        |          |
| Apr. 15, 1918 | 0.95   | 100      | Mar. 15, 1924 | 1.24   | 131      |               |        |          |

Source: Bureau of Labor Statistics, Department of Labor.

**No. 729.—PRODUCTION, PURCHASE, AND SALE OF GAS BY COMPANIES ENGAGED IN THE MANUFACTURED-GAS INDUSTRY**

[In millions of cubic feet]

| Year | Gas sold | Year | Gas sold | Year | Total gas produced and purchased | Produced | Purchased     |             | Gas sold |
|------|----------|------|----------|------|----------------------------------|----------|---------------|-------------|----------|
|      |          |      |          |      |                                  |          | Coke-oven gas | Natural gas |          |
| 1904 | 113,930  | 1912 | 178,229  | 1920 | 350,232                          | 300,923  | 149,409       |             | 319,988  |
| 1905 | 112,444  | 1913 | 189,286  | 1921 | 360,392                          | 296,162  | 37,393        | 27,837      | 326,949  |
| 1906 | 122,850  | 1914 | 199,859  | 1922 | 389,000                          | 300,682  | 52,883        | 35,425      | 370,009  |
| 1907 | 132,612  | 1915 | 204,310  | 1923 | 418,000                          | 313,718  | 65,872        | 38,419      | 384,721  |
| 1908 | 138,570  | 1916 | 231,181  | 1924 | 441,351                          | 324,765  | 63,360        | 53,266      | 403,208  |
| 1909 | 141,118  | 1917 | 264,413  | 1925 | 457,100                          | 324,400  | 70,600        | 56,100      | 421,404  |
| 1910 | 149,431  | 1918 | 271,553  | 1926 | 492,042                          | 353,866  | 83,640        | 54,516      | 453,631  |
| 1911 | 159,191  | 1919 | 300,600  | 1927 | 506,322                          | 354,456  | 91,270        | 62,596      | 471,000  |

<sup>1</sup> Includes all other processes not segregated.

Source: American Gas Association.

## No. 730.—RETAIL PRICES OF GAS IN PRINCIPAL CITIES

[NOTE—Prices are net per 1,000 cubic feet of gas for household use. Prices for manufactured gas are based on a family consumption of 3,000 cubic feet per month. In cities where a service charge or a sliding scale is in operation families using less than 3,000 cubic feet per month pay a somewhat higher rate than shown, while those consuming more than this amount pay a lower rate. The figures represent quite closely the actual monthly cost of gas per 1,000 cubic feet to the average wage-earner's family. Prices for natural gas and for manufactured and natural mixed gas are based on a family consumption of 5,000 cubic feet per month.]

| City                               | Apr.<br>15,<br>1913 | Apr.<br>15,<br>1914 | Apr.<br>15,<br>1915 | Apr.<br>15,<br>1916 | Apr.<br>15,<br>1917 | Apr.<br>15,<br>1918 | Apr.<br>15,<br>1919 | Apr.<br>15,<br>1920 | May<br>15,<br>1921 | June<br>15,<br>1922 | June<br>15,<br>1923 | June<br>15,<br>1924 | June<br>15,<br>1925 | June<br>15,<br>1926 | June<br>15,<br>1927 | Dec.<br>15,<br>1927 |
|------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| MANUFACTURED GAS                   |                     |                     |                     |                     |                     |                     |                     |                     |                    |                     |                     |                     |                     |                     |                     |                     |
| Atlanta.....                       | \$1.00              | \$1.00              | \$1.00              | \$1.00              | \$1.00              | \$1.00              | \$1.15              | \$1.15              | \$1.90             | \$1.85              | \$1.65              | \$1.55              | \$1.55              | \$1.55              | \$1.55              | \$1.55              |
| Baltimore.....                     | .90                 | .80                 | .80                 | .75                 | .75                 | .75                 | .75                 | .75                 | .75                | .92                 | .92                 | .85                 | .85                 | .85                 | .85                 | .85                 |
| Birmingham....                     | 1.00                | .95                 | .95                 | .95                 | .95                 | .95                 | .95                 | .95                 | .88                | .88                 | .80                 | .80                 | .80                 | .80                 | .80                 | .80                 |
| Boston.....                        | .81                 | .81                 | .80                 | .80                 | .80                 | .86                 | 1.05                | 1.08                | 1.40               | 1.32                | 1.25                | 1.20                | 1.18                | 1.18                | 1.18                | 1.18                |
| Bridgeport.....                    | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.10                | 1.10                | 1.47               | 1.50                | 1.50                | 1.45                | 1.45                | 1.45                | 1.45                | 1.45                |
| Buffalo.....                       | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.45                | 1.45                | 1.45               | 1.45                |                     |                     |                     |                     |                     |                     |
| Butte.....                         | 1.49                | 1.49                | 1.49                | 1.49                | 1.49                | 1.49                | 1.49                | 1.49                | 2.10               | 2.10                | 2.10                | 2.10                | 2.10                | 2.10                | 2.10                | 2.10                |
| Charleston, S. C.                  | 1.10                | 1.10                | 1.10                | 1.10                | 1.00                | 1.10                | 1.10                | 1.25                | 1.55               | 1.55                | 1.55                | 1.55                | 1.55                | 1.55                | 1.55                | 1.55                |
| Chicago.....                       | .80                 | .80                 | .80                 | .80                 | .80                 | .80                 | .72                 | .90                 | .87                | 1.20                | 1.07                | 1.07                | 1.02                | 1.02                | 1.02                | 1.02                |
| Cleveland.....                     | .80                 | .80                 | .80                 | .80                 | .80                 | .80                 | .80                 | .80                 | .80                | .80                 | .80                 | 1.25                | 1.25                | 1.25                | 1.25                | 1.25                |
| Denver.....                        | .85                 | .80                 | .80                 | .80                 | .80                 | .85                 | .95                 | .95                 | .95                | .95                 | .95                 | .95                 | .95                 | .95                 | .90                 | .90                 |
| Detroit.....                       | .75                 | .75                 | .75                 | .75                 | .75                 | .75                 | .79                 | .79                 | .85                | .79                 | .79                 | .82                 | .82                 | .79                 | .79                 | .79                 |
| Fall River.....                    | .80                 | .80                 | .80                 | .80                 | .80                 | .95                 | .95                 | 1.05                | 1.25               | 1.15                | 1.15                | 1.15                | 1.15                | 1.15                | 1.15                | 1.15                |
| Houston.....                       | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.09                | 1.09               | 1.09                | 1.09                | 1.09                | 1.05                |                     |                     |                     |
| Indianapolis.....                  | .60                 | .55                 | .55                 | .55                 | .55                 | .55                 | .60                 | .60                 | .90                | 1.20                | 1.15                | 1.15                | 1.10                | 1.05                | 1.05                | .95                 |
| Jacksonville....                   | 1.20                | 1.20                | 1.15                | 1.15                | 1.15                | 1.25                | 1.25                | 1.50                | 1.75               | 1.65                | 1.65                | 1.97                | 1.97                | 1.97                | 1.92                | 1.92                |
| Manchester.....                    | 1.10                | 1.10                | 1.00                | 1.00                | 1.00                | 1.00                | 1.18                | 1.18                | 1.58               | 1.48                | 1.48                | 1.38                | 1.38                | 1.38                | 1.38                | 1.38                |
| Memphis.....                       | 1.00                | 1.00                | 1.00                | 1.00                | .93                 | .93                 | .93                 | 1.27                | 1.35               | 1.20                | 1.20                | 1.20                | 1.20                | 1.20                | 1.20                | 1.20                |
| Milwaukee.....                     | .75                 | .75                 | .75                 | .75                 | .75                 | .75                 | .75                 | .75                 | .90                | .90                 | .84                 | .82                 | .82                 | .82                 | .82                 | .82                 |
| Minneapolis.....                   | .85                 | .80                 | .80                 | .77                 | .77                 | .77                 | .95                 | .95                 | 1.28               | 1.02                | 1.05                | 1.01                | .95                 | .97                 | .90                 | .94                 |
| Mobile.....                        | 1.10                | 1.10                | 1.10                | 1.10                | 1.10                | 1.10                | 1.35                | 1.35                | 1.80               | 1.80                | 1.80                | 1.80                | 1.80                | 1.80                | 1.76                | 1.76                |
| Newark.....                        | 1.00                | .90                 | .90                 | .90                 | .90                 | .97                 | .97                 | 1.15                | 1.40               | 1.25                | 1.25                | 1.20                | 1.20                | 1.20                | 1.20                | 1.20                |
| New Haven.....                     | .90                 | .90                 | .90                 | .90                 | .90                 | 1.00                | 1.10                | 1.10                | 1.27               | 1.18                | 1.18                | 1.18                | 1.13                | 1.13                | 1.13                | 1.13                |
| New Orleans.....                   | 1.10                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.30                | 1.30                | 1.30               | 1.45                | 1.20                | 1.30                | 1.30                | 1.30                | 1.30                | 1.30                |
| New York.....                      | .84                 | .84                 | .83                 | .83                 | .83                 | .83                 | .85                 | .87                 | 1.40               | 1.31                | 1.23                | 1.23                | 1.23                | 1.23                | 1.24                | 1.24                |
| Norfolk.....                       | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.20                | 1.20                | 1.00                | 1.40               | 1.40                | 1.40                | 1.40                | 1.40                | 1.33                | 1.33                | 1.33                |
| Omaha.....                         | 1.15                | 1.15                | 1.15                | 1.00                | 1.00                | 1.15                | 1.15                | 1.15                | 1.47               | 1.19                | 1.18                | 1.18                | 1.08                | 1.08                | 1.08                | 1.00                |
| Peoria.....                        | .90                 | .90                 | .90                 | .90                 | .85                 | .85                 | .85                 | .85                 | 1.20               | 1.20                | 1.20                | 1.20                | 1.20                | 1.20                | 1.20                | 1.20                |
| Philadelphia.....                  | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00               | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                |
| Pittsburgh.....                    | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                |                    |                     |                     |                     |                     |                     |                     |                     |
| Portland, Me.....                  | 1.10                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.40                | 1.40                | 1.85               | 1.85                | 1.55                | 1.55                | 1.55                | 1.50                | 1.42                | 1.42                |
| Portland, Oreg..                   | .95                 | .95                 | .95                 | .95                 | .95                 | .95                 | .95                 | .95                 | 1.38               | 1.25                | 1.16                | 1.16                | 1.16                | 1.16                | 1.17                | 1.17                |
| Providence.....                    | .85                 | .85                 | .85                 | .85                 | .85                 | 1.00                | 1.30                | 1.30                | 1.42               | 1.42                | 1.22                | 1.22                | 1.17                | 1.17                | 1.13                | 1.13                |
| Richmond.....                      | .90                 | .90                 | .90                 | .90                 | .90                 | .90                 | 1.00                | 1.00                | 1.30               | 1.30                | 1.30                | 1.30                | 1.30                | 1.28                | 1.29                | 1.29                |
| Rochester.....                     | .95                 | .95                 | .95                 | .95                 | .95                 | .95                 | .95                 | .95                 | 1.18               | 1.10                | 1.05                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                |
| St. Louis.....                     | .90                 | .80                 | .80                 | .80                 | .75                 | .75                 | .75                 | .85                 | 1.05               | 1.05                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                |
| St. Paul.....                      | .85                 | .90                 | .90                 | .85                 | .85                 | .85                 | .85                 | .85                 | 1.00               | 1.00                | .85                 | .85                 | .85                 | .60                 | .90                 | .90                 |
| Salt Lake City..                   | .87                 | .87                 | .87                 | .87                 | .87                 | .87                 | 1.15                | 1.35                | 1.57               | 1.57                | 1.57                | 1.57                | 1.54                | 1.53                | 1.52                | 1.52                |
| San Francisco....                  | .75                 | .85                 | .85                 | .85                 | .85                 | .85                 | .95                 | .95                 | 1.05               | 1.02                | .92                 | 1.00                | 1.05                | .95                 | .95                 | .95                 |
| Savannah.....                      |                     |                     |                     |                     |                     |                     |                     | 1.25                | 1.60               | 1.45                | 1.45                | 1.45                | 1.45                | 1.45                | 1.45                | 1.45                |
| Scranton.....                      | .95                 | .95                 | .95                 | .95                 | .95                 | 1.15                | 1.30                | 1.30                | 1.70               | 1.60                | 1.60                | 1.50                | 1.50                | 1.50                | 1.40                | 1.40                |
| Seattle.....                       | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.20                | 1.20                | 1.45                | 1.45               | 1.45                | 1.45                | 1.45                | 1.45                | 1.45                | 1.45                | 1.45                |
| Springfield, Ill.                  | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                | 1.10                | 1.10                | 1.40               | 1.40                | 1.35                | 1.35                | 1.35                | 1.25                | 1.25                | 1.25                |
| Washington.....                    | .93                 | .93                 | .93                 | .93                 | .80                 | .90                 | .95                 | .95                 | 1.25               | 1.05                | 1.05                | 1.00                | 1.00                | 1.00                | 1.00                | 1.00                |
| NATURAL GAS                        |                     |                     |                     |                     |                     |                     |                     |                     |                    |                     |                     |                     |                     |                     |                     |                     |
| Buffalo.....                       | \$0.30              | \$0.30              | \$0.30              | \$0.30              | \$0.30              | \$0.30              | \$0.35              | \$0.35              | \$0.35             | \$0.42              |                     |                     |                     |                     |                     |                     |
| Cincinnati.....                    | .30                 | .30                 | .30                 | .30                 | .35                 | .35                 | .35                 | .35                 | .35                | .50                 | .50                 | .50                 | .55                 | .55                 | .60                 | .60                 |
| Cleveland.....                     | .30                 | .30                 | .30                 | .30                 | .30                 | .30                 | .35                 | .35                 | .35                | .40                 | .55                 | .55                 | .55                 | .55                 | .48                 | .48                 |
| Columbus.....                      | .30                 | .30                 | .30                 | .30                 | .30                 | .30                 | .30                 | .30                 | .30                | .45                 | .45                 | .45                 | .45                 | .45                 | .48                 | .48                 |
| Dallas.....                        | .45                 | .45                 | .45                 | .45                 | .45                 | .45                 | .45                 | .45                 | .68                | .68                 | .68                 | .68                 | .74                 | .74                 | .79                 | .79                 |
| Houston.....                       |                     |                     |                     |                     |                     |                     |                     |                     |                    |                     |                     |                     |                     |                     | .75                 | .75                 |
| Kansas City.....                   | .27                 | .27                 | .27                 | .27                 | .30                 | .60                 | .80                 | .80                 | .90                | .90                 | .95                 | .95                 | .95                 | .95                 | .95                 | .95                 |
| Little Rock.....                   | .40                 | .40                 | .40                 | .40                 | .40                 | .40                 | .45                 | .45                 | .45                | .45                 | .45                 | .65                 | .65                 | .65                 | .65                 | .65                 |
| Los Angeles.....                   |                     |                     |                     |                     |                     |                     |                     |                     |                    |                     |                     |                     |                     |                     | .91                 | .91                 |
| Louisville.....                    |                     | .46                 | .46                 | .45                 | .45                 | .45                 | .45                 | .45                 | .45                | .45                 | .45                 | .45                 | .45                 | .45                 | .45                 | .45                 |
| Pittsburgh.....                    | .28                 | .28                 | .28                 | .28                 | .28                 | .28                 | .35                 | .35                 | .45                | .50                 | .30                 | .53                 | .60                 | .60                 | .60                 | .60                 |
| MANUFACTURED AND NATURAL GAS MIXED |                     |                     |                     |                     |                     |                     |                     |                     |                    |                     |                     |                     |                     |                     |                     |                     |
| Buffalo.....                       |                     |                     |                     |                     |                     |                     |                     |                     |                    |                     | \$0.62              | \$0.62              | \$0.60              | \$0.65              | \$0.65              | \$0.65              |
| Los Angeles.....                   |                     |                     |                     |                     |                     |                     | \$0.65              | \$0.65              | \$0.65             | \$0.75              | \$0.75              | \$0.75              | .68                 | .68                 | .68                 | .68                 |

Source: Bureau of Labor Statistics, Department of Labor.

## No. 731.—NATURAL GAS AND NATURAL-GAS GASOLINE

[NOTE.—Quantities of gas in millions of cubic feet, of gasoline in thousands of gallons; values in thousands of dollars. Production figures for gas refer only to that marketed, in addition to which considerable quantities are used by producers, and large quantities are wasted or lost. Values given are at the point of consumption. Consumption figures by States differ greatly from production figures by reason of interstate transportation.]

| Yearly average or year | Natural gas produced and marketed |         | Natural-gas gasoline |            |        | Year | Natural gas produced and marketed |         | Natural-gas gasoline |            |         |
|------------------------|-----------------------------------|---------|----------------------|------------|--------|------|-----------------------------------|---------|----------------------|------------|---------|
|                        | Quantity                          | Value   | Gas treated          | Production | Value  |      | Quantity                          | Value   | Gas treated          | Production | Value   |
| 1906-1910              | 437,057                           | 57,940  |                      |            |        | 1919 | 745,816                           | 100,888 | 480,404              | 351,535    | 64,197  |
| 1911-1915              | 575,708                           | 88,492  | 11,602               | 30,317     | 2,481  | 1920 | 708,210                           | 106,194 | 496,431              | 354,744    | 71,788  |
| 1916-1920              | 762,681                           | 154,500 | 412,787              | 208,038    | 48,174 | 1921 | 682,052                           | 174,617 | 465,097              | 449,934    | 61,816  |
| 1921-1925              | 947,419                           | 220,002 | 820,445              | 702,151    | 82,205 | 1922 | 792,548                           | 221,535 | 545,139              | 505,832    | 72,711  |
| 1914                   | 591,867                           | 94,116  | 18,895               | 42,653     | 3,106  | 1923 | 1,006,976                         | 240,001 | 875,711              | 816,226    | 77,298  |
| 1915                   | 628,579                           | 101,312 | 24,064               | 65,365     | 5,151  | 1924 | 1,141,521                         | 253,856 | 1,016,276            | 933,86     | 82,233  |
| 1916                   | 753,170                           | 120,227 | 308,703              | 108,493    | 14,331 | 1925 | 1,188,571                         | 265,271 | 1,040,390            | 1,127,470  | 120,363 |
| 1917                   | 795,119                           | 142,089 | 420,298              | 217,884    | 40,189 | 1926 | 1,313,019                         | 299,238 | 1,200,300            | 1,368,040  | 136,419 |
| 1918                   | 721,001                           | 183,651 | 469,109              | 282,536    | 50,364 | 1927 | 1,370,000                         | 298,000 | 1,500,000            | 1,627,000  | 111,100 |

| State         | Natural gas produced and marketed |         |           |           |           | Natural gas consumed | Natural-gas gasoline produced |           |           |
|---------------|-----------------------------------|---------|-----------|-----------|-----------|----------------------|-------------------------------|-----------|-----------|
|               | 1915                              | 1920    | 1924      | 1925      | 1926      | 1926                 | 1925                          | 1926      | 1927      |
| Total         | 628,579                           | 796,810 | 1,141,521 | 1,188,571 | 1,313,019 | 1,313,863            | 1,127,470                     | 1,368,000 | 1,627,000 |
| Arkansas      | 2,992                             | 10,050  | 30,816    | 41,878    | 43,566    | 52,630               | 19,686                        | 30,386    | 36,300    |
| California    | 21,591                            | 66,041  | 150,692   | 187,789   | 204,915   | 204,915              | 303,180                       | 389,366   | 450,709   |
| Illinois      | 2,030                             | 3,013   | 4,072     | 4,165     | 3,808     | 3,808                | 9,874                         | 9,987     | 9,000     |
| Indiana       | 2,251                             | 4,436   | 998       | 1,168     |           |                      |                               |           |           |
| Kansas        | 27,046                            | 33,140  | 25,580    | 26,917    | 38,096    | 61,142               | 19,692                        | 25,360    | 33,000    |
| Kentucky      | 1,667                             | 15,297  | 12,875    | 10,770    | 10,401    | 13,128               | 7,635                         | 7,689     | 7,000     |
| Louisiana     | 25,540                            | 48,219  | 160,945   | 152,620   | 187,423   | 148,686              | 43,489                        | 42,657    | 44,200    |
| New York      | 7,977                             | 19,127  | 26,196    | 25,210    | 27,027    | 17,864               | 414                           | 830       | (*)       |
| Ohio          | 70,510                            | 138,872 | 47,396    | 43,235    | 47,363    | 115,719              | 8,701                         | 10,817    | 11,400    |
| Oklahoma      | 67,517                            | 126,080 | 214,452   | 240,285   | 286,421   | 244,993              | 390,861                       | 475,716   | 549,500   |
| Pennsylvania  | 113,682                           | 141,397 | 105,863   | 101,632   | 107,089   | 125,836              | 18,860                        | 20,343    | 18,300    |
| Texas         | 13,324                            | 49,467  | 107,247   | 134,872   | 175,392   | 167,341              | 214,092                       | 243,003   | 316,600   |
| West Virginia | 244,004                           | 100,299 | 182,285   | 180,345   | 180,223   | 72,784               | 58,201                        | 63,897    | 64,200    |
| Wyoming       | 2,842                             | 10,312  | 46,036    | 45,539    | 46,567    | 45,606               | 32,777                        | 40,625    | 43,100    |
| All other     | 128                               | 8,862   | 1,268     | 2,140     | 4,720     | 13,204               | 68                            | 1,797     | 2,300     |

\* Preliminary. \* Includes gas piped from Oklahoma and consumed in Arkansas.

\* Includes 12,000,000 cubic feet piped to Canada in 1924, 68,000,000 in 1925, and 79,000,000 in 1926.

\* Includes 27,000,000 cubic feet piped to Mexico in 1924, 64,000,000 in 1925, and 87,000,000 in 1926.

\* Includes Colorado. \* Not shown separately.

## No. 732.—ASPHALT: PRODUCTION, EXPORTS, AND IMPORTS

| Quantity and value                            | 1910    | 1915      | 1920      | 1925      | 1926      | 1927 <sup>1</sup> |
|---|---------|-----------|-----------|-----------|-----------|-------------------|
| QUANTITY, TONS OF 2,000 POUNDS                |         |           |           |           |           |                   |
| Asphalt produced and sold                     | 990,000 | 1,128,579 | 1,944,772 | 2,763,290 | 4,173,640 | 4,790,400         |
| From domestic petroleum                       | 161,187 | 664,503   | 700,496   | 1,206,700 | 1,245,100 | 1,526,430         |
| From Mexican petroleum                        |         | 388,318   | 1,045,779 | 1,971,670 | 2,213,310 | 2,426,030         |
| Native asphalt <sup>2</sup>                   | 98,603  | 75,751    | 198,497   | 584,860   | 715,190   | 839,040           |
| Asphalt and related bitumen imported          | 166,311 | 139,662   | 130,599   | 125,250   | 148,789   | 161,934           |
| Asphalt exported, unmanufactured <sup>3</sup> |         | 38,203    | 51,706    | 121,849   | 184,867   | 424,907           |
| VALUE, THOUSANDS OF DOLLARS                   |         |           |           |           |           |                   |
| Asphalt produced and sold                     | 2,000   | 8,973     | 37,472    | 66,974    | 51,686    | 60,207            |
| From domestic petroleum                       | 2,226   | 4,716     | 11,985    | 15,306    | 15,453    | 19,019            |
| From Mexican petroleum                        |         | 2,730     | 14,273    | 27,520    | 31,068    | 25,773            |
| Native asphalt                                | 864     | 526       | 1,214     | 4,148     | 4,465     | 1,606             |
| Asphalt and related bitumen imported          | 786     | 919       | 1,647     | 1,270     | 1,560     | 1,778             |
| Asphalt exported                              |         |           |           |           |           |                   |
| Unmanufactured <sup>3</sup>                   |         | 736       | 1,356     | 2,588     | 4,090     | 9,339             |
| Manufactured                                  |         | 439       | 842       | 2,826     | 2,190     | 2,400             |

<sup>1</sup> Preliminary. <sup>2</sup> Native asphalt and related bitumen. <sup>3</sup> Includes petroleum asphalt, beginning 1926.

Sources: Tables 731 and 732, Bureau of Mines, Department of Commerce.

## No. 733.—PRODUCTION OF CRUDE PETROLEUM

[Quantities in thousands of barrels (42 gallons); values in thousands of dollars]

| Yearly average | Quantity | Value   | Year | Quantity | Value   | Year              | Quantity | Value     |
|----------------|----------|---------|------|----------|---------|-------------------|----------|-----------|
| 1861-1865      | 2,479    | 9,965   | 1902 | 88,767   | 71,179  | 1915              | 281,104  | 179,463   |
| 1866-1870      | 4,013    | 15,795  | 1903 | 100,461  | 94,694  | 1916              | 300,767  | 330,900   |
| 1871-1875      | 8,221    | 16,430  | 1904 | 117,081  | 101,175 | 1917              | 335,316  | 522,635   |
| 1876-1880      | 16,816   | 22,926  | 1905 | 134,717  | 84,157  | 1918              | 355,928  | 703,944   |
| 1881-1885      | 25,508   | 22,933  | 1906 | 126,494  | 92,445  | 1919              | 378,367  | 760,266   |
| 1886-1890      | 32,990   | 23,830  | 1907 | 166,095  | 120,107 | 1920              | 442,929  | 1,360,745 |
| 1891-1895      | 51,095   | 35,708  | 1908 | 178,527  | 129,079 | 1921              | 472,183  | 814,745   |
| 1896-1900      | 59,498   | 56,836  | 1909 | 183,171  | 128,329 | 1922              | 557,531  | 895,111   |
| 1901-1905      | 102,083  | 83,524  | 1910 | 209,557  | 127,900 | 1923              | 732,407  | 978,430   |
| 1906-1910      | 172,769  | 119,572 | 1911 | 220,449  | 134,045 | 1924              | 713,940  | 1,022,683 |
| 1911-1915      | 247,739  | 185,793 | 1912 | 222,935  | 164,213 | 1925              | 763,743  | 1,284,900 |
| 1916-1920      | 362,661  | 735,698 | 1913 | 248,446  | 237,121 | 1926              | 770,874  | 1,447,760 |
| 1921-1925      | 647,961  | 999,186 | 1914 | 265,763  | 214,125 | 1927 <sup>1</sup> | 894,435  | 1,162,766 |

<sup>1</sup> Preliminary.

Source: Bureau of Mines, Department of Commerce.

## No. 734.—PETROLEUM PRODUCTION, IMPORTS, EXPORTS, AND BUNKER OIL LADEN ON VESSELS IN FOREIGN TRADE

[NOTE.—Imports of refined petroleum products amounted to 20,902,000 barrels, valued at \$44,597,000, in 1926; and 13,280,000 barrels, valued at \$33,638,000, in 1927]

| Period    | Quantity (thousands of barrels of 42 gallons) |          |                    |              |                        | Value (millions of dollars) |                      |                    |              |                        |            |
|-----------|---|----------|--------------------|--------------|------------------------|-----------------------------|----------------------|--------------------|--------------|------------------------|------------|
|           | Crude oil                                     |          | Exports (domestic) |              |                        | Bunker oil                  | Imports of crude oil | Exports (domestic) |              |                        | Bunker oil |
|           | Production                                    | Imports  | Crude oil          | Refined oils | Crude and refined oils |                             |                      | Crude oil          | Refined oils | All petroleum products |            |
| 1871-1880 | 12, 519                                       | (1)      | 528                | 6, 026       | 6, 554                 | (1)                         | (1)                  | 2. 4               | 37. 7        | 40. 1                  | (1)        |
| 1881-1890 | 29, 249                                       | (1)      | 1, 719             | 12, 084      | 13, 803                | (1)                         | (1)                  | 5. 1               | 43. 7        | 50. 5                  | (1)        |
| 1891-1895 | 51, 095                                       | (1)      | 2, 606             | 16, 751      | 19, 357                | (1)                         | (1)                  | 5. 0               | 40. 8        | 49. 9                  | (1)        |
| 1896-1900 | 59, 498                                       | (1)      | 2, 907             | 20, 240      | 23, 146                | (1)                         | (1)                  | 5. 8               | 57. 1        | 69. 4                  | (1)        |
| 1901-1905 | 102, 083                                      | (1)      | 3, 029             | 22, 317      | 25, 346                | (1)                         | (1)                  | 6. 3               | 68. 5        | 83. 3                  | (1)        |
| 1906-1910 | 172, 769                                      | (1)      | 3, 686             | 30, 521      | 34, 207                | (1)                         | (1)                  | 6. 4               | 90. 4        | 104. 9                 | (1)        |
| 1911-1915 | 247, 739                                      | 12, 080  | 4, 134             | 44, 475      | 48, 609                | (1)                         | 7. 6                 | 6. 1               | 125. 8       | 143. 1                 | (1)        |
| 1916-1920 | 362, 661                                      | 49, 531  | 5, 413             | 58, 896      | 64, 308                | 11, 681                     | 26. 5                | 14. 1              | 323. 7       | 365. 5                 | 24. 2      |
| 1921-1925 | 647, 961                                      | 94, 857  | 13, 330            | 76, 455      | 89, 785                | 36, 501                     | 68. 0                | 22. 5              | 363. 6       | 405. 1                 | 55. 9      |
| 1911      | 220, 449                                      | 1, 461   | 4, 806             | 37, 307      | 42, 113                | (1)                         | 1. 9                 | 6. 2               | 99. 8        | 113. 0                 | (1)        |
| 1912      | 222, 935                                      | 6, 909   | 4, 493             | 40, 352      | 44, 845                | (1)                         | 4. 7                 | 6. 8               | 117. 4       | 136. 0                 | (1)        |
| 1913      | 248, 446                                      | 16, 979  | 4, 633             | 44, 622      | 49, 255                | (1)                         | 10. 9                | 8. 4               | 139. 7       | 159. 8                 | (1)        |
| 1914      | 265, 763                                      | 16, 913  | 2, 970             | 48, 716      | 51, 686                | 1, 302                      | 10. 0                | 5. 0               | 133. 7       | 148. 7                 | 1. 1       |
| 1915      | 281, 104                                      | 18, 139  | 3, 768             | 51, 377      | 55, 145                | 3, 566                      | 10. 4                | 4. 3               | 138. 3       | 157. 9                 | 3. 2       |
| 1916      | 300, 767                                      | 20, 797  | 4, 096             | 57, 833      | 61, 928                | 5, 530                      | 12. 6                | 7. 0               | 194. 5       | 220. 1                 | 5. 6       |
| 1917      | 335, 316                                      | 30, 127  | 4, 098             | 58, 999      | 63, 097                | 5, 908                      | 16. 3                | 7. 7               | 245. 2       | 273. 9                 | 7. 4       |
| 1918      | 355, 928                                      | 37, 736  | 4, 901             | 59, 727      | 64, 628                | 6, 603                      | 21. 3                | 12. 1              | 332. 2       | 369. 5                 | 11. 7      |
| 1919      | 378, 367                                      | 52, 822  | 5, 924             | 52, 641      | 58, 566                | 14, 031                     | 26. 4                | 14. 8              | 327. 0       | 374. 5                 | 29. 4      |
| 1920      | 442, 929                                      | 106, 175 | 8, 045             | 65, 278      | 73, 323                | 26, 335                     | 55. 8                | 29. 0              | 519. 3       | 589. 3                 | 66. 7      |
| 1921      | 472, 183                                      | 125, 364 | 8, 865             | 57, 534      | 66, 399                | 27, 076                     | 66. 5                | 20. 2              | 363. 5       | 399. 9                 | 57. 2      |
| 1922      | 557, 531                                      | 127, 308 | 9, 995             | 59, 592      | 69, 587                | 31, 692                     | 70. 4                | 18. 3              | 312. 6       | 344. 3                 | 43. 7      |
| 1923      | 732, 407                                      | 82, 015  | 17, 061            | 77, 893      | 94, 954                | 37, 582                     | 53. 9                | 23. 1              | 327. 0       | 365. 6                 | 52. 2      |
| 1924      | 713, 940                                      | 77, 775  | 17, 605            | 93, 411      | 111, 016               | 43, 328                     | 73. 8                | 26. 5              | 392. 3       | 442. 6                 | 58. 0      |
| 1925      | 763, 743                                      | 61, 824  | 13, 125            | 93, 843      | 106, 968               | 42, 827                     | 75. 4                | 24. 3              | 422. 6       | 473. 0                 | 68. 2      |
| 1926      | 770, 874                                      | 60, 382  | 15, 406            | 108, 398     | 123, 804               | 46, 662                     | 79. 3                | 28. 5              | 497. 2       | 554. 5                 | 71. 0      |
| 1927      | 894, 435                                      | 58, 363  | 15, 843            | 115, 399     | 131, 242               | 50, 051                     | 78. 6                | 25. 9              | 429. 7       | 485. 9                 | 73. 0      |

<sup>1</sup> Data are not available.<sup>2</sup> July to December. Reports for July and August did not include San Francisco.

Source: Bureau of Mines and Bureau of Foreign and Domestic Commerce, Department of Commerce.



### No. 735.—PETROLEUM, CRUDE: PRODUCTION BY REGIONS AND STATES, AND APPROXIMATE WORLD PRODUCTION

(In thousands of barrels of 42 gallons)

| Section                    | 1880   | 1890   | 1900    | 1911-<br>1915<br>(average) | 1916-<br>1920<br>(average) | 1921-<br>1925<br>(average) | 1926      | 1927<br>(preliminary) | Production<br>since<br>1927 |
|----------------------------|--------|--------|---------|----------------------------|----------------------------|----------------------------|-----------|-----------------------|-----------------------------|
| World total <sup>1</sup>   | 30,018 | 76,633 | 149,137 | 384,345                    | 641,733                    | 944,771                    | 1,099,889 | 1,942,789             | 15,802,772                  |
| United States <sup>2</sup> | 24,284 | 45,694 | 63,621  | 247,739                    | 392,661                    | 647,961                    | 779,974   | 894,435               | 10,354,901                  |
| Per cent of total          | 87.6   | 59.6   | 42.7    | 64.4                       | 66.8                       | 68.6                       | 70.9      | 72.0                  | 63.4                        |
| Regions                    |        |        |         |                            |                            |                            |           |                       |                             |
| Appalachian                | 26,246 | 30,067 | 36,285  | 24,594                     | 37,161                     | 28,504                     | 28,572    | 30,458                | 1,463,850                   |
| Lima-Indiana <sup>3</sup>  |        | 15,079 | 21,759  | 5,052                      | 3,466                      | 2,297                      | 2,030     | 1,833                 | 470,419                     |
| Illinois <sup>4</sup>      |        | 1      |         | 24,955                     | 13,918                     | 9,585                      | 8,418     | 7,751                 | 345,052                     |
| Mid-continent              |        | 1      | 917     | 87,656                     | 184,616                    | 343,545                    | 423,867   | 543,343               | 4,249,870                   |
| Gulf                       |        |        |         | 12,357                     | 24,273                     | 33,688                     | 45,275    | 49,079                | 639,904                     |
| Rocky Mountain             |        | 399    | 823     | 2,005                      | 11,830                     | 35,258                     | 87,045    | 30,184                | 429,634                     |
| California                 | 40     | 307    | 4,325   | 90,512                     | 97,344                     | 195,074                    | 224,673   | 230,762               | 2,745,577                   |
| States                     |        |        |         |                            |                            |                            |           |                       |                             |
| Arkansas                   |        |        |         |                            |                            | 35,644                     | 59,332    | 40,179                | 261,712                     |
| California                 | 40     | 307    | 4,325   | 90,512                     | 97,344                     | 195,074                    | 224,673   | 230,762               | 2,745,577                   |
| Colorado                   |        | 369    | 317     | 211                        | 139                        | 392                        | 2,768     | 2,787                 | 19,098                      |
| Illinois                   |        | 1      |         | 24,955                     | 13,918                     | 8,815                      | 7,760     | 7,094                 | 379,839                     |
| Indiana                    |        | 64     | 4,874   | 1,167                      | 865                        | 1,011                      | 804       | 852                   | 119,735                     |
| Kansas                     |        | 1      | 75      | 2,235                      | 32,556                     | 12,733                     | 41,498    | 40,740                | 466,406                     |
| Kentucky <sup>5</sup>      |        | 6      | 62      | 484                        | 5,325                      | 8,044                      | 6,274     | 6,733                 | 69,436                      |
| Louisiana                  |        |        |         | 12,997                     | 19,117                     | 25,759                     | 23,301    | 21,041                | 376,724                     |
| Montana                    |        |        |         |                            | 129                        | 2,729                      | 7,737     | 5,044                 | 27,065                      |
| New Mexico <sup>6</sup>    |        |        |         |                            |                            | 554                        | 1,666     | 1,203                 | 4,025                       |
| New York <sup>7</sup>      |        |        | 1,301   | 920                        | 664                        | 1,274                      | 1,056     | 2,239                 | 65,772                      |
| Ohio                       | 39     | 16,125 | 22,363  | 8,586                      | 7,583                      | 7,045                      | 7,272     | 7,629                 | 539,528                     |
| Oklahoma                   |        |        | 6       | 68,524                     | 102,209                    | 155,068                    | 179,195   | 277,274               | 2,274,348                   |
| Pennsylvania <sup>8</sup>  | 25,028 | 28,458 | 13,258  | 8,002                      | 7,642                      | 7,007                      | 8,201     | 9,760                 | 406,923                     |
| Texas                      |        |        | 636     | 16,256                     | 53,008                     | 127,009                    | 166,916   | 213,708               | 1,519,511                   |
| West Virginia              | 179    | 492    | 14,198  | 10,487                     | 8,311                      | 6,570                      | 5,946     | 6,000                 | 355,800                     |
| Wyoming                    |        |        | 6       | 2,394                      | 11,562                     | 31,901                     | 25,770    | 21,146                | 275,449                     |

<sup>1</sup> Estimated.

<sup>2</sup> Includes insignificant quantities not distributed by regions and States.

<sup>3</sup> Southwestern Indiana reported with Illinois beginning 1921; previously with Lima-Indiana region.

<sup>4</sup> Kentucky includes report for Tennessee for 1890 and 1900.

<sup>5</sup> Not shown separately prior to 1924.

<sup>6</sup> Average for years 1924 and 1925.

<sup>7</sup> Pennsylvania includes New York for 1880 and 1890.

### No. 736.—STOCKS OF CRUDE AND REFINED MINERAL OILS ON DECEMBER 31

(In thousands of barrels of 42 gallons)

|  | 1922    | 1923    | 1924    | 1925    | 1926    | 1927<br>(prel.)  |
|--|---------|---------|---------|---------|---------|------------------|
| Stocks of crude petroleum, total <sup>1</sup>            | 231,639 | 374,519 | 417,619 | 491,646 | 498,399 | 602,894          |
| Stocks east of California <sup>2</sup>                   | 233,627 | 302,500 | 312,726 | 293,852 | 278,264 | 351,646          |
| Light  |         |         |         |         | 225,404 | 308,639          |
| Heavy  |         |         |         |         | 52,860  | 43,007           |
| Pipe line and tank-farm stocks by field of origin, total | 199,038 | 267,858 | 290,807 | 264,245 | 242,180 | 312,322          |
| Appalachian  | 8,605   | 9,210   | 8,289   | 8,468   | 7,799   | 7,236            |
| Lima-Indiana   | 685     | 975     | 1,221   | 971     | 686     | 1,134            |
| Illinois and southwestern Indiana                        | 10,140  | 11,091  | 10,870  | 10,582  | 11,779  | 12,179           |
| Mid-continent  | 152,573 | 202,904 | 210,568 | 195,941 | 173,848 | 246,081          |
| Gulf coast   | 24,781  | 23,974  | 20,200  | 19,263  | 20,031  | 17,536           |
| Rocky Mountain   | 1,991   | 19,704  | 29,672  | 28,995  | 29,075  | 27,285           |
| Refinery stocks  | 33,805  | 28,259  | 31,184  | 29,209  | 35,475  | 39,235           |
| Foreign petroleum held by importers                      | 984     | 1,383   | 734     | 407     | 809     | 89               |
| Producers' stocks (at wells)                             | 8,428   | 9,850   | 8,389   | 7,560   | 5,904   | ( <sup>3</sup> ) |
| Stocks in California <sup>4</sup>                        | 49,375  | 62,162  | 96,505  | 130,234 | 116,131 | 111,555          |
| Light  |         |         | 40,541  | 44,451  | 39,861  | 20,058           |
| Heavy <sup>5</sup>                                       |         |         | 55,964  | 85,783  | 87,270  | 91,797           |
| Natural-gas gasoline at plants                           |         |         | 302     | 326     | 455     | 734              |
| Stocks of refined oils <sup>6</sup>                      |         |         | 102,366 | 120,449 | 123,247 | 119,949          |
| Grand total stocks all oils                              |         |         | 620,257 | 869,421 | 896,061 | 984,184          |

<sup>1</sup> Fuel oil held in California is included beginning 1924.

<sup>2</sup> Exclusive of producers' stocks.

<sup>3</sup> Stocks east of California are revised to include 2,043,000 barrels of crude in coastwise transit, and stocks in California are revised to include 800,000 barrels of working stocks not previously reported.

<sup>4</sup> Refinery stocks in California are included with refinery stocks east of California prior to 1924.

<sup>5</sup> Not available.

<sup>6</sup> Includes wax, coke, asphalt, and residuum in barrels.

Source of Tables 735 and 736: Bureau of Mines, Department of Commerce.

## No. 737.—SUPPLY AND DEMAND OF CRUDE AND REFINED OILS

(In thousands of barrels of 42 gallons)

|                                     | 1924    | 1925    | 1926    | 1927      |
|-------------------------------------|---------|---------|---------|-----------|
| Total new supply of all oils.....   | 839,786 | 679,107 | 834,611 | 1,007,257 |
| Domestic production, total.....     | 736,175 | 791,907 | 805,291 | 935,749   |
| Crude petroleum.....                | 712,940 | 763,743 | 770,874 | 894,435   |
| Natural-gas gasoline.....           | 22,235  | 28,207  | 32,305  | 38,752    |
| Benzol.....                         |         | 1,857   | 2,112   | 2,562     |
| Imports—                            |         |         |         |           |
| Crude.....                          | 77,775  | 61,824  | 60,282  | 58,154    |
| Refined <sup>1</sup> .....          | 16,806  | 16,376  | 20,938  | 13,352    |
| Change in stocks <sup>2</sup> ..... | +28,081 | +30,190 | -24,764 | +64,087   |
| Total demand.....                   | 902,676 | 839,907 | 911,375 | 942,179   |
| Exports—                            |         |         |         |           |
| Crude.....                          | 16,339  | 13,327  | 15,407  | 15,843    |
| Refined <sup>1</sup> .....          | 98,728  | 100,216 | 116,087 | 125,696   |
| Domestic demand <sup>4</sup> .....  | 685,708 | 726,434 | 779,881 | 801,631   |

<sup>1</sup> Includes wax, coke, asphalt and residuum in barrels.<sup>2</sup> Data include crude petroleum (exclusive of producers' stocks east of California), fuel oil in California, refined products, and except in 1924, natural gas gasoline.<sup>3</sup> Includes shipments to noncontiguous territories.<sup>4</sup> Includes bunker oil put on vessels engaged in foreign trade.

Source: Bureau of Mines, Department of Commerce.

## No. 738.—PETROLEUM REFINING: CENSUS STATISTICS OF MATERIALS AND PRODUCTS

| Material or product                           | Quantity (thousands of unit specified) |           |           | Cost or value (thousands of dollars) |         |           |           |
|---|--|-----------|-----------|--------------------------------------|---------|-----------|-----------|
|   | Unit                                   | 1914      | 1923      | 1925                                 | 1914    | 1923      | 1925      |
| Materials used, total cost.                   |  |           |           |                                      | 325,265 | 1,425,083 | 1,689,678 |
| Crude petroleum.....                          | Barrel.....                            | 191,263   | 601,748   | 739,459                              | 249,728 | ( )       | ( )       |
| Distillates purchased and re-run.....         | do.....                                | 9,465     | 25,155    | 57,845                               | 24,395  | ( )       | ( )       |
| Casing-head gasoline.....                     | do.....                                | ( )       | 16,949    | 23,223                               | ( )     | ( )       | ( )       |
| Solinas.....                                  | Short ton.....                         | ( )       | ( )       | 21                                   | ( )     | ( )       | ( )       |
| Caustic soda.....                             | do.....                                | 11        | ( )       | 60                                   | 261     | ( )       | ( )       |
| Sulphuric acid.....                           | do.....                                | 339       | ( )       | 820                                  | ( )     | ( )       | ( )       |
| Sulphuric acid, reclaimed and reused.....     | do.....                                | ( )       | ( )       | 345                                  | ( )     | ( )       | ( )       |
| All other.....                                |  |           |           |                                      | 51,142  | ( )       | ( )       |
| All products, total value.....                |  |           |           |                                      | 399,361 | 1,783,790 | 2,378,657 |
| Gasoline.....                                 | Gallon.....                            | 1,195,422 | 7,332,329 | 10,726,262                           | 106,140 | 876,732   | 1,218,236 |
| Naphtha.....                                  | do.....                                |           | 399,493   | 294,947                              |         | 28,761    | 29,938    |
| Benzine.....                                  | do.....                                | 264,626   | 67,733    | 41,714                               | 15,779  | 8,563     | 4,993     |
| Other light products.....                     | do.....                                |           | 50,968    | 32,174                               |         | 5,544     | 3,364     |
| Tops.....                                     | do.....                                | ( )       | ( )       | 215,948                              | ( )     | ( )       | 12,117    |
| Heating oils.....                             | do.....                                | 1,935,275 | 2,238,900 | 2,365,302                            | 96,806  | 146,942   | 161,881   |
| Fuel oils.....                                |  |           |           |                                      |         |           |           |
| Distillates.....                              | do.....                                | 457,492   | 854,801   | 1,204,937                            | 15,999  | 32,107    | 51,743    |
| Gas oils.....                                 | do.....                                | 755,558   | 1,491,951 | 1,812,645                            | 22,805  | 62,530    | 79,602    |
| Residual fuel oil.....                        | do.....                                | 2,521,042 | 9,529,645 | 11,572,400                           | 45,213  | 251,029   | 357,230   |
| Partly refined oils sold for re-refining..... | do.....                                | ( )       | 1,300,804 | 1,497,879                            | ( )     | 54,977    | 65,305    |
| Lubricating oils.....                         |  |           |           |                                      |         |           |           |
| Base or paraffin.....                         | do.....                                | 93,422    | 215,563   | 270,345                              | 8,085   | 28,051    | 38,763    |
| Fuel or neutral.....                          | do.....                                | 116,352   | 311,391   | 528,756                              | 12,426  | 58,778    | 92,994    |
| Cylinder oils.....                            | do.....                                | 102,949   | 234,410   | 306,884                              | 13,704  | 44,720    | 47,226    |
| All other lubricating oils.....               | do.....                                | 205,115   | 389,288   | 355,087                              | 21,596  | 72,945    | 73,712    |
| Liquid asphaltic road oils.....               | do.....                                |           | 198,920   | 274,717                              |         | 7,545     | 12,712    |
| Residual or tar.....                          | do.....                                | 134,844   | 80,066    | 139,171                              | 4,018   | 3,191     | 5,964     |
| Greases.....                                  | do.....                                | 14,006    | 35,024    | 45,820                               | 3,536   | 10,785    | 13,921    |
| Paraffin wax.....                             | do.....                                | 57,539    | 69,536    | 89,762                               | 8,897   | 12,809    | 30,590    |
| Asphalt, other than liquid.....               | Ton.....                               | 485       | 2,134     | 3,594                                | 4,967   | 23,330    | 30,401    |
| Coke.....                                     | do.....                                | 214       | 647       | 924                                  | 819     | 4,796     | 6,438     |
| Other special products.....                   |  |           |           |                                      | 9,060   | 29,931    | 28,058    |
| All other products.....                       |  |           |           |                                      | 6,069   | 18,945    | 12,199    |

( ) No data.

Source: Bureau of the Census, Department of Commerce.

### No. 739. PETROLEUM PRODUCTS: OILS RUN TO STILL, OUTPUT OF REFINERIES, STOCKS, EXPORTS, AND APPARENT CONSUMPTION OF PRODUCTS

[Note: Stocks are those in the hands of refiners only. Hence "apparent consumption" represents deliveries by refiners to dealers and consumers. Exports include shipments to noncontiguous territories. Consumption figures for kerosene, gas and fuel oil, and lubricating oil for 1922 to 1927 take into account comparatively small imports not shown separately, and for which no data were available prior to October, 1922. In 1927 these imports were as follows: Kerosene 55,000 barrels; gas and fuel oil, 8,123,000 barrels; lubricants, 7,000 barrels.]

[In thousands of barrels, except wax (thousand pounds), and coke and asphalt (thousand short tons)]

| Item   | 1918    | 1922    | 1923    | 1924                | 1925                | 1926                | 1927                |
|--|---------|---------|---------|---------------------|---------------------|---------------------|---------------------|
| Crude oil run to stills.....                                     | 326,025 | 500,706 | 581,238 | 643,719             | 739,920             | 779,364             | 628,514             |
| Domestic.....  |         | 425,823 | 538,252 | 597,954             | 698,582             | 784,301             | 779,813             |
| Foreign.....   |         | 74,883  | 42,986  | 45,765              | 41,338              | 44,963              | 48,701              |
| Natural-gas gasoline run to stills or blended at refineries..... | 2,451   | 3,562   | 5,487   | 12,671              | <sup>1</sup> 19,636 | <sup>1</sup> 27,696 | <sup>1</sup> 32,161 |
| Stocks of crude oil, end of year.....                            | 13,750  | 23,805  | 33,259  | 40,995              | <sup>2</sup> 20,200 | <sup>2</sup> 35,476 | <sup>2</sup> 30,235 |
| Gasoline:  |         |         |         |                     |                     |                     |                     |
| Produced.....  | 85,007  | 147,672 | 179,903 | 213,326             | 259,601             | 299,734             | 330,907             |
| Exported.....  | 13,545  | 14,156  | 20,741  | 28,967              | 31,497              | 43,313              | 44,442              |
| Imported.....  | 307     | 1,479   | 4,555   | 3,453               | 3,813               | 8,540               | 5,003               |
| Stocks, end of year.....   | 7,079   | 21,043  | 28,014  | 30,823              | 38,876              | 39,023              | 22,323              |
| Apparent consumption.....  | 74,506  | 127,906 | 156,746 | 185,003             | 223,685             | 281,813             | 297,928             |
| Kerosene:  |         |         |         |                     |                     |                     |                     |
| Produced.....  | 43,461  | 54,913  | 55,927  | 60,028              | 59,689              | 61,708              | 56,114              |
| Exported.....  | 11,820  | 21,489  | 20,347  | 21,981              | 21,212              | 22,248              | 19,480              |
| Stocks, end of year.....   | 9,050   | 6,692   | 7,231   | 8,504               | 7,121               | 8,575               | 7,899               |
| Apparent consumption.....  | 34,442  | 34,854  | 35,048  | 36,712              | 39,969              | 34,140              | 37,503              |
| Gas and fuel oil:  |         |         |         |                     |                     |                     |                     |
| Produced.....  | 174,310 | 254,910 | 287,481 | 320,476             | 364,901             | 365,186             | 392,342             |
| Exported.....  | 29,637  | 18,479  | 33,372  | 37,249              | 36,088              | 38,351              | 47,339              |
| Stocks, end of year.....   | 15,691  | 31,065  | 36,072  | <sup>1</sup> 19,556 | <sup>1</sup> 24,681 | <sup>1</sup> 24,698 | <sup>1</sup> 21,982 |
| Apparent consumption.....  | 142,781 | 240,010 | 261,888 | 292,452             | ( <sup>1</sup> )    | ( <sup>1</sup> )    | ( <sup>1</sup> )    |
| Lubricants:  |         |         |         |                     |                     |                     |                     |
| Produced.....  | 20,035  | 23,304  | 26,128  | 27,498              | 31,055              | 32,293              | 31,721              |
| Exported.....  | 6,165   | 7,941   | 8,372   | 9,103               | 9,678               | 9,438               | 9,810               |
| Stocks, end of year.....   | 3,304   | 5,613   | 6,138   | 6,420               | 7,253               | 7,576               | 7,800               |
| Apparent consumption.....  | 13,823  | 15,528  | 17,260  | 18,124              | 20,581              | 22,568              | 21,634              |
| Wax—production.....  | 303,144 | 462,003 | 466,647 | 516,491             | 590,577             | 645,815             | 584,347             |
| Stocks, end of year.....   | 109,658 | 204,891 | 164,758 | 89,706              | 116,391             | 185,331             | 167,214             |
| Coke—production.....   | 500     | 707     | 673     | 761                 | 991                 | 995                 | 1,145               |
| Stocks, end of year.....   | 23      | 36      | 263     | 98                  | 238                 | 291                 | 345                 |
| Asphalt—production.....  | 608     | 1,895   | 2,327   | 2,546               | 2,677               | 2,923               | 2,419               |
| Stocks, end of year.....   | 77      | 120     | 118     | 97                  | 159                 | 193                 | 221                 |
| Other finished products.....                                     |         | 4,527   | 5,086   | 8,252               | 8,044               | 8,030               | 7,403               |
| Losses.....  | 14,557  | 18,562  | 18,921  | 19,590              | 22,914              | 26,928              | 28,229              |

<sup>1</sup> Includes natural-gas gasoline run through pipe lines in California.

<sup>2</sup> Stocks east of California only.

<sup>1</sup> Not available.

### No. 740.—PETROLEUM PRODUCTS: CRUDE OIL RUN TO STILL AND OUTPUT OF REFINERIES, BY REGIONS, 1927

[In thousands of barrels, except wax which is in thousands of pounds]

| Region                      | Crude oil run to stills | Natural gas-gasoline run to stills | Output of refineries |          |                  |            |         |
|-----------------------------|-------------------------|------------------------------------|----------------------|----------|------------------|------------|---------|
|                             |                         |                                    | Gasoline             | Kerosene | Gas and fuel oil | Lubricants | Wax     |
| Total.....                  | 628,514                 | 32,181                             | 330,667              | 56,114   | 392,342          | 31,721     | 584,347 |
| East coast.....             | 149,154                 | 2,468                              | 49,090               | 10,413   | 72,980           | 10,144     | 226,039 |
| Appalachian.....            | 28,941                  | 737                                | 12,581               | 3,836    | 6,967            | 4,410      | 87,856  |
| Indian Territory.....       | 75,807                  | 3,916                              | 43,682               | 5,260    | 21,850           | 3,309      | 67,305  |
| Oklahoma and Kansas.....    | 101,871                 | 4,249                              | 55,215               | 9,123    | 33,653           | 2,365      | 47,699  |
| Texas.....                  | 167,086                 | 6,129                              | 71,270               | 13,892   | 72,304           | 7,849      | 66,236  |
| Louisiana and Arkansas..... | 70,444                  | 4,979                              | 24,006               | 6,129    | 31,548           | 741        | 51,344  |
| Rocky Mountain.....         | 25,026                  | 1,148                              | 14,313               | 1,864    | 7,348            | 590        | 38,408  |
| California.....             | 210,176                 | 10,535                             | 60,504               | 5,597    | 145,662          | 2,312      | .....   |

Source: Tables 739 and 740, Bureau of Mines, Department of Commerce.

## No. 741.—PETROLEUM PIPE LINES

[All figures, except miles of line operated, in thousands of dollars]

| Company and State or field served  | Miles of line operated | Investment in pipe lines | Other investments | Pipe line operating revenues | Pipe line operating expenses | Pipe line operating income | Net income |
|--|------------------------|--------------------------|-------------------|------------------------------|------------------------------|----------------------------|------------|
| <b>ALL REPORTING COMPANIES</b>   |                        |                          |                   |                              |                              |                            |            |
| 1920   | 48,712                 | 340,328                  | 267,362           | 103,600                      | 66,452                       | 26,026                     | 53,949     |
| 1921   | 55,260                 | 365,024                  | 287,114           | 115,950                      | 62,370                       | 25,530                     | 34,400     |
| 1922   | 57,349                 | 382,280                  | 264,344           | 128,069                      | 64,539                       | 52,720                     | 58,568     |
| 1923   | 64,760                 | 432,065                  | 305,541           | 131,213                      | 69,234                       | 52,678                     | 62,639     |
| 1924   | 68,185                 | 496,187                  | 282,504           | 146,921                      | 74,656                       | 63,176                     | 72,434     |
| 1925   | 70,009                 | 511,088                  | 93,806            | 164,645                      | 80,232                       | 70,966                     | 88,495     |
| 1926   | 72,846                 | 529,410                  | 111,891           | 178,075                      | 83,098                       | 76,523                     | 80,401     |
| <b>COMPANIES REPORTING OPERATING REVENUES OF OVER \$500,000 IN 1926</b>                    |                        |                          |                   |                              |                              |                            |            |
| Buckeye—Ohio   | 6,578                  | 19,273                   | 4,935             | 4,292                        | 3,025                        | 778                        | 1,041      |
| Cumberland—Kentucky  | 1,247                  | 4,661                    | 2,712             | 985                          | 655                          | 262                        | 391        |
| Empire—Kansas, Oklahoma, and Texas   | 883                    | 8,892                    |                   | 1,583                        | 1,036                        | 457                        | 491        |
| Eureka—West Virginia   | 4,662                  | 10,943                   | 2,308             | 1,982                        | 2,051                        | 145                        | 14         |
| Gulf—Texas   | 2,585                  | 33,662                   | 2,161             | 9,863                        | 5,446                        | 4,168                      | 4,422      |
| Gulf of Oklahoma—Kansas and Oklahoma   | 1,384                  | 10,576                   |                   | 4,666                        | 1,584                        | 2,943                      | 3,195      |
| Humble—Texas   | 3,573                  | 39,620                   |                   | 16,702                       | 7,978                        | 8,541                      | 8,516      |
| Illinois—Illinois, Indiana, Ohio, Wyoming, and Montana                                     | 3,936                  | 29,545                   | 4,719             | 6,850                        | 4,029                        | 1,985                      | 2,999      |
| Indian Corporation—Illinois, Indiana, and Kentucky <sup>1</sup>                            | ( <sup>2</sup> )       | ( <sup>2</sup> )         | ( <sup>2</sup> )  | 562                          | 186                          | 236                        | 260        |
| Indiana Co.—Indiana  | 923                    | 5,062                    | 5,267             | 1,534                        | 664                          | 585                        | 508        |
| Magnolia—Oklahoma and Texas  | 4,259                  | 39,526                   | 7,382             | 12,609                       | 5,925                        | 5,523                      | 5,544      |
| Marland—Kansas and Oklahoma  | 740                    | 7,005                    | 526               | 4,415                        | 1,674                        | 2,697                      | 2,671      |
| National—Pennsylvania  | 3,571                  | 8,160                    | 10,556            | 1,482                        | 1,509                        | 44                         | 622        |
| New York—New York and New Jersey   | 1,522                  | 6,652                    | 2,391             | 1,001                        | 853                          | 21                         | 82         |
| Northern Pennsylvania  | 615                    | 3,079                    | 2,176             | 861                          | 297                          | 195                        | 361        |
| Oklahoma—Kansas and Oklahoma   | 2,005                  | 20,828                   | 633               | 9,030                        | 3,155                        | 4,561                      | 4,802      |
| Ozark—Oklahoma, Missouri, Illinois, and Kansas   | 1,206                  | 12,131                   |                   | 7,661                        | 2,306                        | 5,319                      | 5,523      |
| Prairie—Oklahoma, Kansas, Texas, Missouri, Iowa, Illinois, and Indiana                     | 11,587                 | 55,008                   | 56,045            | 23,319                       | 12,419                       | 12,816                     | 14,447     |
| Pure Oil—Ohio, Pennsylvania, West Virginia, and Oklahoma                                   | 2,568                  | 3,382                    | 129               | 1,179                        | 914                          | 225                        | 38         |
| Shreveport—Eldorado—Arkansas and Louisiana   | 179                    | 2,013                    | 2                 | 1,507                        | 636                          | 796                        | 466        |
| Sinclair—Oklahoma, Kansas, Texas, Missouri, Iowa, Illinois, Indiana, Nebraska, and Wyoming | 5,007                  | 75,696                   | 1,208             | 17,402                       | 11,126                       | 4,933                      | 3,628      |
| South West Pennsylvania—Pennsylvania   | 1,681                  | 4,216                    | 1,691             | 827                          | 631                          | 175                        | 253        |
| Standard—Arkansas and Louisiana  | 1,864                  | 28,716                   | 32                | 19,585                       | 4,969                        | 12,565                     | 12,541     |
| Texas—Louisiana, Texas, and Arkansas   | 3,568                  | 36,684                   |                   | 12,458                       | 5,908                        | 5,403                      | 5,280      |
| Texas of Oklahoma—Oklahoma   | 1,370                  | 7,361                    | 119               | 2,138                        | 1,127                        | 734                        | 691        |
| Tide Water—Illinois, Indiana, New Jersey, New York, Ohio, and Pennsylvania                 | 2,115                  | 11,000                   | 32                | 2,595                        | 1,581                        | 682                        | 1,506      |

<sup>1</sup> Figures for operations cover period January 1 to October 31, 1926; properties sold as of the latter date.<sup>2</sup> Insufficient data.

Source: Interstate Commerce Commission.

## No. 742.—PETROLEUM: PRICES OF CRUDE AND REFINED PRODUCTS

[NOTE.—Prices of crude and fuel oil in dollars per barrel, others in cents per gallon. Compiled by Joseph C. Pogue. The weighted average prices are computed from five principal grades of crude oil at wells, from five markets each for kerosene and gasoline from tank wagon, from five refining locations for fuel oil, and for five grades of lubricating oil]

| Year | Crude  | Gasoline | Kerosene | Fuel oil | Lubricating oil | Month, 1927 | Crude  | Gasoline | Kerosene | Fuel oil | Lubricating oil |
|------|--------|----------|----------|----------|-----------------|-------------|--------|----------|----------|----------|-----------------|
|      | Dolls. | Cents    | Cents    | Dolls.   | Cents           |             | Dolls. | Cents    | Cents    | Dolls.   | Cents           |
| 1916 | 1.33   | 18.9     | 7.9      | 1.04     | 18.3            | January     | 1.88   | 17.1     | 13.8     | 1.48     | 24.2            |
| 1917 | 1.77   | 20.6     | 8.5      | 1.57     | 19.5            | February    | 1.87   | 16.8     | 13.5     | 1.49     | 25.2            |
| 1918 | 2.22   | 21.7     | 10.2     | 2.01     | 20.9            | March       | 1.87   | 16.9     | 13.3     | 1.41     | 25.1            |
| 1919 | 2.25   | 22.2     | 12.7     | 1.59     | 22.2            | April       | 1.52   | 14.9     | 13.2     | 1.24     | 25.5            |
| 1920 | 3.44   | 26.5     | 17.1     | 2.79     | 29.0            | May         | 1.50   | 14.9     | 12.8     | 1.10     | 25.6            |
| 1921 | 1.86   | 22.3     | 12.9     | 1.30     | 27.6            | June        | 1.50   | 14.5     | 12.6     | 1.04     | 25.8            |
| 1922 | 1.78   | 21.7     | 12.4     | 1.24     | 29.4            | July        | 1.50   | 14.6     | 12.6     | 1.04     | 25.8            |
| 1923 | 1.71   | 17.5     | 12.8     | 1.20     | 19.4            | August      | 1.46   | 14.3     | 12.6     | .995     | 25.8            |
| 1924 | 1.64   | 15.9     | 12.7     | 1.35     | 23.0            | September   | 1.46   | 14.2     | 12.6     | .996     | 26.2            |
| 1925 | 1.96   | 16.6     | 12.3     | 1.46     | 26.1            | October     | 1.46   | 14.2     | 12.6     | 1.03     | 25.8            |
| 1926 | 2.08   | 17.5     | 14.7     | 1.47     | 26.1            | November    | 1.46   | 14.2     | 12.6     | .972     | 24.8            |
| 1927 | 1.55   | 15.0     | 12.9     | 1.14     | 25.3            | December    | 1.48   | 14.2     | 12.6     | .938     | 24.4            |

# No. 743.—PORTLAND CEMENT: PRODUCTION, SHIPMENTS, EXPORTS, AND IMPORTS

[Note.—Imports are "Imports for consumption" and exports include both domestic and foreign cement but not that going to noncontiguous territories. Both imports and exports include all kinds of hydraulic cement, most of which is Portland. "Shipments" include exports made directly by manufacturers. (See Table 744)]

| State                             | 1910               | 1915             | 1920    | 1923    | 1924    | 1925    | 1926             | 1927             |
|-----------------------------------|--------------------|------------------|---------|---------|---------|---------|------------------|------------------|
| Thousands of barrels <sup>1</sup> |                    |                  |         |         |         |         |                  |                  |
| Production, total.....            | 78,540             | 85,215           | 100,033 | 137,460 | 145,358 | 151,650 | 164,530          | 173,807          |
| Alabama.....                      | <sup>2</sup> 1,481 | ( <sup>3</sup> ) | 1,123   | 3,497   | 5,553   | 6,238   | 6,710            | 7,565            |
| California.....                   | <sup>4</sup> 6,385 | 4,503            | 7,006   | 11,002  | 11,615  | 12,096  | 13,842           | 14,583           |
| District of Columbia.....         | 4,459              | 5,157            | 5,539   | 7,148   | 6,994   | 7,101   | 6,747            | 7,027            |
| Iowa.....                         | <sup>5</sup> 2,010 | 4,500            | 4,849   | 5,732   | 5,624   | 4,848   | 4,926            | 5,415            |
| Kansas.....                       | 5,656              | 2,580            | 4,341   | 8,026   | 5,894   | 6,511   | 6,306            | 6,180            |
| Michigan.....                     | 3,688              | 4,765            | 4,891   | 7,620   | 9,260   | 10,936  | 12,037           | 13,965           |
| Missouri.....                     | 4,458              | 4,627            | 5,018   | 7,306   | 7,871   | 8,332   | 7,653            | 6,778            |
| New York.....                     | 3,296              | 5,044            | 5,885   | 6,990   | 7,572   | 8,776   | 8,799            | 10,775           |
| Ohio.....                         | 1,528              | 1,919            | 1,780   | 4,189   | 4,601   | 5,715   | 7,556            | 8,884            |
| Pennsylvania.....                 | 26,678             | 28,649           | 28,369  | 38,157  | 40,850  | 42,347  | 42,406           | 43,723           |
| Texas.....                        | <sup>6</sup> 2,287 | 1,930            | 2,562   | 4,179   | 4,566   | 4,858   | 5,007            | 5,686            |
| Washington.....                   | ( <sup>7</sup> )   | 1,496            | 1,790   | 2,106   | 1,842   | 2,482   | ( <sup>7</sup> ) | ( <sup>7</sup> ) |
| Other States.....                 | 14,627             | 19,646           | 25,860  | 33,808  | 37,115  | 40,573  | 42,081           | 42,686           |
| Shipments.....                    | ( <sup>7</sup> )   | 89,802           | 96,312  | 136,912 | 146,048 | 157,295 | 162,187          | 171,808          |
| Imports.....                      | 307                | 42               | 525     | 1,767   | 2,024   | 3,667   | 3,344            | 2,066            |
| Exports.....                      | 2,476              | 2,564            | 2,988   | 1,002   | 879     | 1,020   | 974              | 817              |
| Stocks, end of year.....          | ( <sup>7</sup> )   | 11,468           | 8,683   | 10,813  | 14,152  | 18,536  | 20,740           | 22,023           |

<sup>1</sup> Of 376 pounds.

<sup>2</sup> Includes Georgia and Tennessee.

<sup>3</sup> Included in other States.

<sup>4</sup> California includes Washington.

<sup>5</sup> Includes Kentucky and West Virginia.

<sup>6</sup> Includes Oklahoma.

<sup>7</sup> Not available.

## No. 744.—PORTLAND CEMENT: SHIPMENTS BY DESTINATIONS

[In thousands of barrels <sup>1</sup>]

| State                           | 1924    | 1925    | 1926    | 1927    | State  | 1924  | 1925  | 1926  | 1927   |
|---------------------------------|---------|---------|---------|---------|--|-------|-------|-------|--------|
| Shipped from cement plants..... | 146,048 | 157,295 | 160,187 | 171,808 | Shipments to States—Con.                           |       |       |       |        |
| Shipments to States.....        | 145,063 | 156,118 | 160,840 | 170,737 | South Atlantic.....                                |       |       |       |        |
| New England.....                | 6,615   | 8,544   | 6,723   | 6,942   | Continued.   |       |       |       |        |
| Maine.....                      | 387     | 334     | 548     | 506     | West Virginia.....                                 | 1,661 | 1,488 | 1,680 | 1,503  |
| New Hampshire.....              | 379     | 426     | 438     | 460     | North Carolina.....                                | 3,000 | 3,025 | 3,782 | 3,213  |
| Vermont.....                    | 300     | 217     | 272     | 393     | South Carolina.....                                | 571   | 864   | 630   | 960    |
| Massachusetts.....              | 3,360   | 3,418   | 2,963   | 2,820   | Georgia.....                                       | 1,408 | 1,428 | 1,831 | 1,905  |
| Rhode Island.....               | 608     | 711     | 635     | 701     | Florida.....                                       | 2,177 | 4,150 | 4,374 | 2,483  |
| Connecticut.....                | 1,582   | 1,758   | 1,857   | 2,062   | East South Central.....                            |       |       |       |        |
| Middle Atlantic.....            | 46,651  | 40,694  | 41,181  | 46,959  | Kentucky.....                                      | 1,764 | 1,796 | 1,659 | 1,954  |
| New York.....                   | 17,456  | 18,489  | 20,225  | 23,003  | Tennessee.....                                     | 1,559 | 1,844 | 1,933 | 2,263  |
| New Jersey.....                 | 6,410   | 7,082   | 7,116   | 8,419   | Alabama.....                                       | 1,873 | 2,065 | 1,981 | 2,265  |
| Pennsylvania.....               | 12,964  | 14,933  | 13,840  | 13,837  | Mississippi.....                                   | 527   | 579   | 804   | 981    |
| East North Central.....         |         |         |         |         | West South Central.....                            |       |       |       |        |
| Ohio.....                       | 9,364   | 12,304  | 11,232  | 10,043  | Arkansas.....                                      | 3,408 | 5,487 | 9,178 | 10,994 |
| Indiana.....                    | 9,363   | 9,221   | 9,684   | 10,342  | Louisiana.....                                     | 1,084 | 800   | 770   | 855    |
| Illinois.....                   | 5,523   | 4,996   | 5,175   | 5,739   | Montana.....                                       | 1,260 | 1,100 | 1,187 | 1,491  |
| Michigan.....                   | 13,238  | 14,405  | 14,067  | 14,823  | Oklahoma.....                                      | 2,211 | 2,378 | 2,349 | 3,120  |
| Wisconsin.....                  | 9,355   | 9,565   | 10,784  | 11,576  | Texas.....   | 3,854 | 4,189 | 4,878 | 5,428  |
| West North Central.....         |         |         |         |         | Mountain.....                                      |       |       |       |        |
| Minnesota.....                  | 4,515   | 4,105   | 4,622   | 5,553   | Idaho.....   | 3,301 | 2,960 | 3,804 | 2,159  |
| Iowa.....                       | 14,796  | 16,637  | 16,971  | 16,660  | Wyoming.....                                       | 203   | 236   | 258   | 303    |
| Missouri.....                   | 3,245   | 3,615   | 3,573   | 3,390   | Colorado.....                                      | 262   | 259   | 444   | 311    |
| North Dakota.....               | 3,144   | 2,796   | 2,827   | 3,708   | New Mexico.....                                    | 331   | 225   | 189   | 181    |
| South Dakota.....               | 3,285   | 5,001   | 5,202   | 4,307   | Arizona.....                                       | 1,337 | 1,152 | 1,118 | 1,062  |
| Nebraska.....                   | 249     | 342     | 403     | 393     | Utah.....  | 232   | 182   | 190   | 279    |
| Kansas.....                     | 467     | 462     | 424     | 410     | Nevada.....  | 415   | 424   | 426   | 562    |
| South Atlantic.....             | 13,616  | 16,099  | 17,676  | 18,945  | Exports direct by manufacturers <sup>2</sup> ..... | 60    | 59    | 60    | 52     |
| Delaware.....                   | 386     | 402     | 360     | 343     |  |       |       |       |        |
| Maryland.....                   | 1,989   | 2,127   | 2,319   | 2,652   |  |       |       |       |        |
| District of Columbia.....       | 723     | 896     | 907     | 982     |  |       |       |       |        |
| Virginia.....                   | 1,701   | 1,649   | 1,734   | 1,790   |  |       |       |       |        |

<sup>1</sup> Of 376 pounds.

<sup>2</sup> Includes shipments to Alaska, Hawaii, and Porto Rico.

Source of Tables 743 and 744: Bureau of Mines, Department of Commerce.

**No. 745.—CEMENT PRODUCTION: QUANTITY, BY KINDS, AND TOTAL VALUE**

[NOTE.—Portland cement is expressed in barrels of 376 pounds; masonry, natural, and puzzolan cement in 1921 and later years in 376-pound barrels but prior to 1921 in barrels of 240, 265, and 320 pounds, respectively. For 1912 through 1924 the figures for masonry, natural, and puzzolan cements represent shipments]

| Year      | Production in thousands of barrels |          |                                | Total value in thousands of dollars | Year      | Production in thousands of barrels |          |                                | Total value in thousands of dollars |
|-----------|------------------------------------|----------|--------------------------------|-------------------------------------|-----------|------------------------------------|----------|--------------------------------|-------------------------------------|
|           | Total                              | Portland | Masonry, natural, and puzzolan |                                     |           | Total                              | Portland | Masonry, natural, and puzzolan |                                     |
| 1900..... | 7,777                              | 336      | 7,441                          | 4,527                               | 1914..... | 89,060                             | 88,230   | 830                            | 82,204                              |
| 1905..... | 8,731                              | 990      | 7,741                          | 6,482                               | 1915..... | 86,708                             | 85,915   | 794                            | 74,285                              |
| 1906..... | 17,231                             | 8,482    | 8,749                          | 13,284                              | 1916..... | 92,363                             | 91,521   | 842                            | 101,379                             |
| 1907..... | 29,890                             | 22,343   | 7,556                          | 31,931                              | 1917..... | 93,454                             | 92,814   | 639                            | 126,106                             |
| 1908..... | 31,675                             | 26,500   | 5,169                          | 26,032                              | 1918..... | 71,515                             | 71,082   | 433                            | 114,132                             |
| 1909..... | 40,102                             | 35,347   | 4,855                          | 35,932                              | 1919..... | 81,307                             | 80,778   | 529                            | 138,714                             |
| 1910..... | 51,000                             | 46,463   | 4,537                          | 55,302                              | 1920..... | 100,791                            | 100,023  | 767                            | 203,198                             |
| 1911..... | 52,230                             | 48,785   | 3,445                          | 55,904                              | 1921..... | 99,361                             | 98,842   | 539                            | 187,708                             |
| 1912..... | 52,911                             | 51,073   | 1,838                          | 44,478                              | 1922..... | 116,679                            | 114,790  | 889                            | 203,324                             |
| 1913..... | 66,690                             | 64,991   | 1,698                          | 53,611                              | 1923..... | 138,782                            | 137,460  | 1,272                          | 263,122                             |
| 1914..... | 77,785                             | 76,550   | 1,235                          | 68,752                              | 1924..... | 150,777                            | 149,358  | 1,418                          | 272,345                             |
| 1915..... | 79,548                             | 78,529   | 1,019                          | 66,705                              | 1925..... | 163,386                            | 161,659  | 1,729                          | 291,076                             |
| 1916..... | 83,351                             | 82,438   | 913                            | 67,462                              | 1926..... | 166,635                            | 164,530  | 2,105                          | 280,786                             |
| 1917..... | 92,949                             | 92,097   | 852                            | 93,001                              | 1927..... |                                    | 173,267  |                                | 281,736                             |

<sup>1</sup> Value of shipments.

Source: Bureau of Mines, Department of Commerce.

**No. 746.—STONE: PRODUCTION (SALES), BY VARIETIES AND USES**

| Variety and use                                      | Quantity sold, thousands of short tons <sup>1</sup> |        |         |         |         |         | Value, 1,000 dollars, 1926 |
|--|---|--------|---------|---------|---------|---------|----------------------------|
|  | 1921  | 1922   | 1923    | 1924    | 1925    | 1926    |                            |
| Total.....   | 63,589  | 86,312 | 107,379 | 106,134 | 115,851 | 194,496 | 188,309                    |
| Granite.....   | 4,782   | 5,913  | 7,300   | 8,884   | 8,074   | 9,330   | 32,045                     |
| Basalt and related rocks.....                        | 8,524   | 10,033 | 10,674  | 11,672  | 11,842  | 12,978  | 15,950                     |
| Sandstone.....                                       | 2,640   | 3,388  | 4,349   | 3,886   | 4,499   | 4,979   | 11,149                     |
| Marble.....  | 315   | 428    | 563     | 516     | 564     | 563     | 14,167                     |
| Limestone.....                                       | 45,621  | 58,929 | 76,701  | 75,694  | 85,649  | 91,888  | 109,252                    |
| All other.....                                       | 1,686   | 1,521  | 3,731   | 4,394   | 5,242   | 4,759   | 5,745                      |
| Building stone.....                                  | 1,369   | 1,929  | 2,069   | 2,212   | 2,392   | 2,609   | 39,923                     |
| Monumental.....                                      | 230   | 243    | 424     | 394     | 363     | 360     | 14,581                     |
| Paving blocks.....                                   | 453   | 326    | 462     | 376     | 381     | 366     | 3,400                      |
| Curbing.....   | 184   | 236    | 252     | 296     | 293     | 346     | 4,303                      |
| Flagging.....  | 65  | 54     | 44      | 60      | 56      | 68      | 657                        |
| Rubble.....  | 445   | 632    | 882     | 865     | 1,197   | 540     | 917                        |
| Riprap.....  | 1,814   | 2,049  | 3,186   | 2,265   | 3,079   | 4,080   | 4,653                      |
| Crushed stone.....                                   | 43,203  | 49,764 | 62,323  | 68,198  | 75,673  | 82,516  | 87,872                     |
| Furnace flux (limestone and marble).....             | 10,669  | 18,718 | 25,602  | 19,690  | 22,861  | 23,859  | 18,049                     |
| Refractory stone.....                                | 496   | 902    | 1,152   | 1,094   | 1,261   | 1,531   | 1,926                      |
| Manufacturing industries (limestone and marble)..... | 2,883   | 2,586  | 4,668   | 4,724   | 5,172   | 4,954   | 4,376                      |
| Other uses <sup>2</sup> .....                        | 1,728   | 1,767  | 2,264   | 2,000   | 3,423   | 3,289   | 7,651                      |

<sup>1</sup> Quantities of stones not sold by the short ton are expressed in the approximate equivalent in short tons, expressed in their selling units the quantities are as follows for 1926: Building stone, 33,467,000 cubic feet; monumental stone, 4,336,000 cubic feet; paving blocks, 39,563,000; curbing, 4,410,000 cubic feet; and flagging, 962,000 cubic feet.

<sup>2</sup> Chiefly agricultural limestone.

Source: Bureau of Mines, Department of Commerce.

## No. 747.—CLAY AND GLASS PRODUCTS: PRODUCTION

| Industry and product  | Unit    | Quantity<br>(thousands of unit specified) |             |             | Value<br>(thousands of dollars) |          |          |
|---|---------|---|-------------|-------------|---------------------------------|----------|----------|
|   |         | 1914                                      | 1919        | 1925        | 1914                            | 1919     | 1925     |
| <b>BRICK, TILE, AND TERRA COTTA,<br/>FIRE-CLAY, AND OTHER CLAY<br/>PRODUCTS, AND NONCLAY RE-<br/>FRACTORIES<sup>1</sup></b> |         |   |             |             |                                 |          |          |
| <b>All products, total value</b>  |         |   |             |             | 199, 865                        | 333, 904 | 333, 909 |
| <b>Brick:</b>   |         |   |             |             |                                 |          |          |
| Common  | Number  | 7, 145, 809                               | 7, 282, 181 | 7, 351, 501 | 43, 784                         | 54, 473  | 59, 551  |
| Vitrified   | do      | 931, 324                                  | 599, 369    | 539, 101    | 12, 501                         | 13, 570  | 11, 876  |
| Face  | do      | 819, 995                                  | 1, 931, 175 | 2, 474, 690 | 9, 290                          | 38, 892  | 45, 428  |
| Enameled  | do      | (?)                                       | 19, 502     | 16, 981     | (?)                             | 1, 671   | 1, 509   |
| Drain tile  | Ton     | (?)                                       | 816         | 681         | 8, 632                          | 5, 100   | 4, 900   |
| Sewer pipe  | do      | (?)                                       | 1, 778      | 2, 139      | 14, 015                         | 29, 103  | 30, 421  |
| Architectural terra cotta   | do      | (?)                                       | 128         | 182         | 6, 088                          | 16, 456  | 19, 126  |
| Hollow building tile or block   | do      | (?)                                       | 3, 785      | 4, 226      | 8, 366                          | 28, 275  | 29, 254  |
| Tile (not drain)  |         |   |             |             |                                 |          |          |
| Roofing   | Squares | (?)                                       | 281         | 300         |                                 | 4, 023   | 5, 125   |
| Floor (including plain, vit-<br>reous, encaustic, quarry,<br>etc.)  | Sq. ft. | (?)                                       | 13, 320     | 19, 344     |                                 | 3, 951   | 4, 391   |
| Ceramic mosaic (vitreous and<br>semivitreous)   | do      | (?)                                       | 20, 976     | 20, 231     | 3, 795                          | 4, 085   | 4, 692   |
| Palace (including art, enam-<br>eled, and hand-decorated)   | do      | (?)                                       | 1, 365      | 4, 916      |                                 | 1, 580   | 3, 296   |
| Wall (thin, white-glazed, etc.)   | do      | (?)                                       | 25, 351     | 30, 366     |                                 | 10, 166  | 19, 220  |
| Stove lining  | Ton     | (?)                                       | 53          | 26          | 531                             | 1, 219   | 646      |
| Fire brick <sup>2</sup>   | Number  | 818, 784                                  | 1, 134, 223 | 995, 979    | 18, 429                         | 46, 877  | 41, 184  |
| All other clay products   |         |   |             |             | 4, 364                          | 11, 545  | 14, 520  |
| Silica brick  | Number  | (?)                                       | 259, 265    | 235, 577    | (?)                             | 12, 855  | 11, 380  |
| All other products  |         |   |             |             |                                 | 8, 213   | 9, 396   |
| <b>POTTERY<sup>3</sup></b>  |         |   |             |             |                                 |          |          |
| <b>All products, total value</b>  |         |   |             |             | 35, 898                         | 114, 951 | 112, 619 |
| Red earthenware (flower pots,<br>etc.)  |         | (?)                                       | (?)         | (?)         | 1, 680                          | 3, 498   | 2, 632   |
| Stoneware (except chemical) and<br>yellow and Rockingham ware   |         | (?)                                       | (?)         | (?)         | 3, 349                          | 4, 746   | 4, 349   |
| White ware, cream color, white<br>granite, semiporcelain, and<br>semivitreous porcelain                                     |         | (?)                                       | (?)         | (?)         | 14, 968                         | 28, 696  | 32, 816  |
| Porcelain china, bone china, delft,<br>and Belleek ware   |         | (?)                                       | (?)         | (?)         | 2, 385                          | 1, 923   | 967      |
| Hotel china   |         |   |             | (?)         | (?)                             | 9, 761   | 9, 867   |
| Vitreous china, plumbing fix-<br>tures  |         | (?)                                       | (?)         | (?)         | (?)                             | (?)      | 25, 636  |
| Porcelain electrical supplies   |         | (?)                                       | (?)         | (?)         | 4, 130                          | 21, 348  | 21, 827  |
| Saggers   |         | (?)                                       | (?)         | (?)         | (?)                             | 1, 870   | 1, 764   |
| All other products  |         |   |             |             | 9, 506                          | 34, 249  | 12, 761  |
| <b>GLASS<sup>4</sup></b>  |         |   |             |             |                                 |          |          |
| <b>All products, total value</b>  |         |   |             |             | 123, 065                        | 309, 358 | 396, 969 |
| <b>Building glass</b>   |         |   |             |             |                                 |          |          |
| Window glass  | Sq. ft. | 400, 999                                  | 510, 215    | 567, 151    | 39, 924                         | 121, 760 | 107, 982 |
| Obscured glass, including<br>cathedral and skylight   | do      | 43, 040                                   | 46, 376     | 53, 951     | 17, 496                         | 42, 623  | 37, 625  |
| Plate glass, total cast   | do      | 75, 770                                   |             |             | 2, 417                          | 5, 114   | 6, 916   |
| Polished  | do      | 60, 384                                   | 94, 470     | 117, 399    | 14, 774                         | 66, 103  | 57, 307  |
| Rough, for sale as such   | do      | 132                                       | 2, 800      | 4, 215      | 26                              | 501      | 504      |
| Wire glass  |         |   |             |             |                                 |          |          |
| Polished  | do      | 1, 706                                    | 2, 805      | 4, 165      | 584                             | 1, 652   | 2, 264   |
| Rough, for sale as such   | do      | 13, 981                                   | 28, 802     | 28, 743     | 1, 057                          | 3, 882   | 3, 546   |
| All other building glass  |         |   |             |             | 520                             | 1, 685   | (?)      |
| Pressed and blown glass <sup>5</sup>  |         |   |             |             | 30, 279                         | 77, 279  | 72, 096  |
| Bottles and jars <sup>6</sup>   |         |   |             |             | 81, 959                         | 107, 231 | 100, 301 |
| All other products  |         |   |             |             | 4, 023                          | 3, 083   | 15, 610  |

<sup>1</sup> From reports of Bureau of Mines, Department of Commerce.<sup>2</sup> No data.<sup>3</sup> Clay brick, including refractory block or tile, boiler and locomotive tile, tank blocks, and other re-  
fractory clay products—8-inch equivalent.<sup>4</sup> Not reported separately.<sup>5</sup> Not shown separately. Included in "All other pottery products."<sup>6</sup> In addition considerable quantities of electric-light shades, globes, etc., were made in 1914 by establish-  
ments engaged primarily in the manufacture of electrical goods.<sup>7</sup> Included in "All other products."<sup>8</sup> Including jelly glasses, tumblers, and goblets, but not including bottles, etc.<sup>9</sup> Including demijohns and carboys.

Source: Bureau of the Census, Department of Commerce.



### No. 748.—PRODUCTION OF PRINCIPAL BURNED-CLAY BUILDING MATERIALS

| Year | Brick (millions) |                        |       | Value (thousands of dollars) |                        |        |                           |                      |                  |            |            |
|------|------------------|------------------------|-------|------------------------------|------------------------|--------|---------------------------|----------------------|------------------|------------|------------|
|      | Common           | Vitrified <sup>1</sup> | Face  | Brick                        |                        |        | Architectural terra cotta | Hollow building tile | Tile (not drain) | Sewer pipe | Fire brick |
|      |                  |                        |       | Common                       | Vitrified <sup>1</sup> | Face   |                           |                      |                  |            |            |
| 1913 | 8,089            | 939                    | 828   | 50,135                       | 12,138                 | 9,614  | 7,733                     | 8,620                | 8,109            | 14,872     | 16,811     |
| 1914 | 7,147            | 931                    | 810   | 42,770                       | 12,501                 | 9,290  | 8,068                     | 8,385                | 8,708            | 14,015     | 13,476     |
| 1915 | 6,851            | 933                    | 856   | 42,145                       | 12,231                 | 9,526  | 4,796                     | 7,801                | 8,186            | 11,269     | 15,800     |
| 1916 | 7,394            | ■                      | 1,003 | 49,357                       | 12,237                 | 11,465 | 6,466                     | 9,943                | 8,475            | 13,577     | 24,437     |
| 1917 | 5,865            | 707                    | 758   | 47,936                       | 10,665                 | 10,391 | 6,174                     | 13,255               | 8,831            | 17,307     | 42,502     |
| 1918 | 3,557            | 408                    | 356   | 38,782                       | 7,145                  | 6,095  | 2,650                     | 13,037               | 8,082            | 15,334     | 51,648     |
| 1919 | 4,732            | 489                    | 791   | 63,585                       | 11,615                 | 16,083 | 3,983                     | 17,965               | 8,137            | 16,755     | 38,016     |
| 1920 | 4,852            | 468                    | 787   | 82,216                       | 12,679                 | 14,441 | 10,852                    | 27,112               | 12,470           | 25,271     | 53,416     |
| 1921 | 4,448            | 662                    | 873   | 57,096                       | 12,870                 | 18,128 | 9,008                     | 14,841               | 12,500           | 22,155     | 26,833     |
| 1922 | 5,800            | 517                    | 1,417 | 72,613                       | 10,816                 | 28,234 | 12,410                    | 19,708               | 16,697           | 23,600     | 31,357     |
| 1923 | 7,282            | 699                    | 1,931 | 94,473                       | 15,570                 | 38,892 | 16,466                    | 28,275               | 23,804           | 29,103     | 46,677     |
| 1924 | 7,159            | 554                    | 2,030 | 86,692                       | 12,974                 | 39,931 | 16,446                    | 24,998               | 24,842           | 32,400     | 40,621     |
| 1925 | 7,562            | 538                    | 2,473 | 88,551                       | 11,876                 | 45,428 | 19,139                    | 29,264               | 27,124           | 30,421     | 41,164     |
| 1926 | 7,520            | 468                    | 2,440 | 88,250                       | 10,285                 | 44,516 | 19,667                    | 27,818               | 34,965           | 29,303     | 42,707     |

<sup>1</sup>Vitrified brick or block.

Sources: Bureau of the Census and Bureau of Mines, Department of Commerce.

### No. 749.—SALT: PRODUCTION, BY STATES AND KINDS; EXPORTS AND IMPORTS

(NOTE.—All quantity figures in tons of 2,000 pounds. Production figures represent sales plus that used by producers; they include Porto Rico)

| Year | Production | Exports | Imports | Year | Production | Exports | Imports |
|------|------------|---------|---------|------|------------|---------|---------|
| 1880 | 834,548    | 1,642   | 509,703 | 1917 | 8,978,177  | 113,993 | 64,922  |
| 1885 | 985,411    | 2,108   | 440,290 | 1918 | 7,238,744  | 136,783 | 40,290  |
| 1890 | 1,242,779  | 2,464   | 257,323 | 1919 | 6,882,902  | 119,416 | 59,514  |
| 1895 | 1,913,751  | 3,602   | 279,576 | 1920 | 6,840,029  | 139,272 | 137,654 |
| 1900 | 2,921,708  | 7,511   | 199,909 | 1921 | 4,961,154  | 109,563 | 93,095  |
| 1905 | 3,635,257  | 34,238  | 161,159 | 1922 | 6,792,849  | 134,989 | 113,923 |
| 1910 | 4,242,792  | 49,013  | 137,103 | 1923 | 7,136,713  | 125,529 | 89,750  |
| 1913 | 4,615,902  | 70,289  | 154,766 | 1924 | 6,803,115  | 144,945 | 68,938  |
| 1914 | 4,672,656  | 82,295  | 130,804 | 1925 | 7,397,500  | 155,079 | 85,788  |
| 1915 | 5,352,400  | 80,474  | 122,326 | 1926 | 7,371,600  | ■       | 55,964  |
| 1916 | 6,362,906  | 84,065  | 122,079 | 1927 | 7,568,690  | 153,832 | 44,968  |

| State or kind             | 1909             | 1910             | 1915             | 1920       | 1925             | 1926             | 1927       |
|---------------------------|------------------|------------------|------------------|------------|------------------|------------------|------------|
| Production, total         | 2,921,708        | 4,242,792        | 5,352,409        | 8,840,029  | 7,397,500        | 7,371,600        | 7,568,690  |
| By States:                |                  |                  |                  |            |                  |                  |            |
| Michigan                  | 1,009,487        | 1,323,283        | 1,762,430        | 2,262,915  | 2,172,900        | 2,260,320        | 2,271,460  |
| New York                  | 1,105,500        | 1,629,963        | 1,570,446        | 1,903,101  | 2,053,970        | 2,001,560        | 1,964,080  |
| Ohio                      | 199,540          | 514,339          | 523,234          | 1,057,802  | 1,173,590        | 1,164,400        | 1,203,170  |
| Kansas                    | 312,743          | 393,603          | 527,123          | 783,555    | 812,540          | 729,880          | 794,780    |
| Louisiana                 | ■                | ( <sup>1</sup> ) | ( <sup>2</sup> ) | 265,083    | 500,350          | 520,400          | 606,110    |
| California                | 87,080           | 131,252          | 146,784          | 212,008    | 292,480          | 288,440          | 300,880    |
| Texas                     | ( <sup>3</sup> ) | 53,503           | 62,297           | 91,103     | ( <sup>2</sup> ) | ( <sup>3</sup> ) | 54,270     |
| Utah                      | 34,878           | 34,979           | 55,279           | 75,259     | 88,150           | 77,350           | 74,690     |
| West Virginia             | 34,142           | 21,788           | 32,513           | 29,802     | 25,670           | 23,180           | 22,600     |
| Undistributed             | 128,268          | 140,093          | 372,303          | 159,299    | 277,950          | 306,050          | 276,650    |
| By kinds:                 |                  |                  |                  |            |                  |                  |            |
| Manufactured (evaporated) | 1,725,354        | 1,953,069        | 2,335,823        | 2,409,924  | 2,235,170        | 2,198,090        | 2,263,030  |
| In brine                  | 779,949          | 1,314,492        | 1,851,190        | 2,819,916  | 2,819,690        | 3,037,820        | 3,161,800  |
| Rock salt                 | 416,365          | 975,231          | 1,165,387        | 1,610,189  | 2,342,640        | 2,135,720        | 2,142,860  |
| Total value (dollars)     | 8,844,808        | 7,900,344        | 11,747,696       | 33,894,075 | 36,168,361       | 25,058,012       | 24,817,962 |

<sup>1</sup> Louisiana is included with New York.<sup>2</sup> Included in "Undistributed."

Source: Bureau of Mines, Department of Commerce.

# No. 750. ACCIDENT RATES IN DIFFERENT BRANCHES OF MINERAL INDUSTRIES IN 1926

| Branch of mineral industry                       | Average days active | Men employed  |  | Man shifts  | Killed | Injured | Number killed or injured per thousand 800-day workers |         |
|--|---------------------|---------------|--|-------------|--------|---------|---|---------|
|  |                     | Actual number | Equivalent in 800-day workers (calculated) |             |        |         | Killed  | Injured |
| Coal mines.....                                  | 281                 | 750,000       | 400,400                                    | 107,007,702 | 2,510  | (1)     | 4.00  | .....   |
| All metal mines.....                             | 281                 | 187,000       | 122,870                                    | 37,180,976  | 420    | 30,340  | 2.47  | 246.01  |
| Copper mines.....                                | 221                 | 22,723        | 35,040                                     | 10,511,974  | 121    | 10,102  | 2.45  | 200.20  |
| Gold, silver, and miscellaneous metal mines..... | 202                 | 23,040        | 22,003                                     | 9,804,645   | 106    | 9,876   | 3.27  | 200.00  |
| Iron mines.....                                  | 276                 | 20,156        | 20,470                                     | 9,142,640   | 120    | 4,082   | 4.26  | 122.00  |
| Lead and zinc mines (Mississippi Valley).....    | 266                 | 14,479        | 12,771                                     | 2,831,101   | 20     | 2,685   | 2.05  | 204.20  |
| Nonmetallic mineral mines.....                   | 270                 | 12,822        | 12,008                                     | 2,770,219   | 22     | 2,400   | 2.62  | 100.24  |
| All quarries (including outside works).....      | 271                 | 91,140        | 54,361                                     | 24,700,400  | 154    | 12,901  | 1.87  | 100.20  |
| Cement rock quarries.....                        | 219                 | 22,000        | 24,427                                     | 7,200,187   | 27     | 2,004   | 1.51  | 85.72   |
| Granite quarries.....                            | 264                 | 10,612        | 8,987                                      | 2,000,144   | 20     | 1,000   | 2.22  | 100.12  |
| Limestone quarries.....                          | 253                 | 20,000        | 22,047                                     | 9,884,000   | 60     | 6,511   | 2.00  | 200.00  |
| Marble quarries.....                             | 207                 | 5,457         | 5,400                                      | 1,620,023   | 9      | 782     | 1.07  | 144.51  |
| Sandstone and bluestone quarries.....            | 220                 | 4,918         | 3,872                                      | 1,161,530   | 4      | 620     | 1.08  | 161.07  |
| Slate quarries.....                              | 207                 | 4,304         | 3,881                                      | 1,140,224   | 8      | 700     | 2.00  | 100.20  |
| Trap-rock quarries.....                          | 200                 | 2,000         | 2,017                                      | 875,102     | 7      | 700     | 2.40  | 240.00  |
| All quarries (excluding outside works).....      | 243                 | 50,000        | 42,700                                     | 12,012,307  | 110    | 2,000   | 2.66  | 107.00  |
| All quarries (outside works only).....           | 204                 | 40,000        | 20,000                                     | 11,000,013  | 44     | 4,100   | 1.11  | 101.01  |
| Metallurgical plants.....                        | 241                 | 87,700        | 64,007                                     | 20,700,000  | 42     | 7,870   | .73   | 110.21  |
| Ore-dressing plants.....                         | 213                 | 10,000        | 17,385                                     | 5,215,370   | 12     | 2,204   | .76   | 121.06  |
| Smelters.....                                    | 267                 | 24,300        | 20,040                                     | 8,714,500   | 20     | 3,181   | .00   | 100.00  |
| Auxiliary works.....                             | 247                 | 10,000        | 19,253                                     | 5,770,126   | 10     | 1,804   | .70   | 90.70   |
| All coke ovens.....                              | 213                 | 23,110        | 24,260                                     | 7,200,000   | 51     | 1,900   | 2.10  | 70.10   |
| Beehive coke ovens.....                          | 220                 | 6,000         | 4,847                                      | 1,454,243   | 6      | 645     | 1.24  | 124.07  |
| By-products coke ovens.....                      | 253                 | 16,510        | 19,413                                     | 5,825,757   | 45     | 1,255   | 2.81  | 65.00   |
| Total, 1926.....                                 | 242                 | 1,050,042     | 655,000                                    | 225,000,015 | 2,800  | 60,700  | 2.74  | 170.00  |
| Total, 1925.....                                 | 239                 | 1,040,070     | 777,000                                    | 223,000,070 | 2,800  | 60,700  | 2.62  | 107.01  |

<sup>1</sup> Not available.

<sup>2</sup> Exclusive of coal.

Source: Bureau of Mines, Department of Commerce.

## No. 751.—ACCIDENTS IN MINERAL INDUSTRIES: BY CAUSES

| Class of plants and cause                          | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927  |
|--|-------|-------|-------|-------|-------|-------|-------|
| <b>Coal-mine fatalities</b> .....                  | 1,995 | 1,944 | 1,955 | 2,409 | 2,254 | 2,516 | 2,244 |
| Falls of roof (coal, rock, etc.).....              | 925   | 788   | 1,058 | 941   | 977   | 1,003 | 1,011 |
| Falls of face or pillar coal.....                  | 100   | 120   | 109   | 121   | 103   | 121   | 134   |
| Mine cars and locomotives.....                     | 266   | 373   | 449   | 554   | 385   | 463   | 363   |
| Explosions of gas or coal dust.....                | 126   | 311   | 272   | 536   | 345   | 422   | 247   |
| Explosives <sup>1</sup> .....                      | 142   | 98    | 115   | 99    | 102   | 98    | 110   |
| Electricity (shock or burns).....                  | 97    | 83    | 83    | 96    | 100   | 112   | 114   |
| Mining machines and machinery.....                 | 34    | 41    | 49    | 38    | 44    | 35    | 38    |
| Mine fires (burned, suffocated, etc.).....         | 16    | 41    | 46    | 2     | 10    | 1     | 4     |
| Shaft fatalities.....                              | 36    | 22    | 24    | 29    | 24    | 35    | 29    |
| Railway cars and locomotives.....                  | 20    | 23    | 24    | 20    | 16    | 20    | 15    |
| Other causes.....                                  | 123   | 112   | 157   | 116   | 118   | 120   | 139   |
| <b>Metal-mine fatalities</b> .....                 | 290   | 344   | 267   | 419   | 371   | 430   | (?)   |
| Falls or slides of rock or ore.....                | 73    | 106   | 111   | 131   | 116   | 126   | ..... |
| Rock or ore (underground loading).....             | 2     | 3     | 2     | 8     | 4     | 6     | ..... |
| Explosives.....                                    | 23    | 30    | 42    | 52    | 52    | 49    | ..... |
| Haulage.....                                       | 21    | 37    | 62    | 58    | 56    | 39    | ..... |
| Falls of persons.....                              | 40    | 48    | 50    | 44    | 45    | 49    | ..... |
| Run or fall of ore (chute, pocket, or bins).....   | 6     | 7     | 6     | 4     | 8     | 9     | ..... |
| Machinery, other than locomotives.....             | 4     | 11    | 11    | 9     | 7     | 5     | ..... |
| Electricity.....                                   | 4     | 7     | 12    | 13    | 20    | 21    | ..... |
| Mine fires and suffocation from natural gases..... | 5     | 46    | 7     | 7     | 7     | 5     | ..... |
| Shaft fatalities, other than falls of persons..... | 24    | 28    | 31    | 16    | 24    | 26    | ..... |
| Other causes.....                                  | 26    | 30    | 22    | 76    | 32    | 95    | ..... |
| <b>Quarry fatalities</b> .....                     | 120   | 128   | 143   | 136   | 140   | 154   | (?)   |
| Falls or slides of rock or overburden.....         | 20    | 25    | 31    | 39    | 34    | 32    | ..... |
| Explosives.....                                    | 17    | 36    | 12    | 19    | 20    | 23    | ..... |
| Haulage.....                                       | 17    | 15    | 28    | 22    | 22    | 23    | ..... |
| Falls of persons.....                              | 11    | 7     | 16    | 10    | 15    | 9     | ..... |
| Machinery.....                                     | 15    | 24    | 31    | 20    | 26    | 20    | ..... |
| Drilling and channeling.....                       | 1     | 1     | ..... | 1     | 1     | ..... | ..... |
| Other causes.....                                  | 20    | 24    | 35    | 36    | 31    | 47    | ..... |

| Class of plants and cause                             | Killed |       |       |       | Injured |       |       |       |
|---|--------|-------|-------|-------|---------|-------|-------|-------|
|   | 1923   | 1924  | 1925  | 1926  | 1923    | 1924  | 1925  | 1926  |
| <b>Smelting plants</b> .....                          | 17     | 16    | 20    | 20    | 2,457   | 2,293 | 2,370 | 2,191 |
| Haulage system (cars, motors, etc.).....              | 2      | 4     | 2     | 2     | 230     | 171   | 210   | 204   |
| Railway cars and locomotives.....                     | 1      | 2     | 1     | 1     | 102     | 99    | 58    | 42    |
| Cranes.....   | .....  | ..... | 1     | 1     | 46      | 43    | 51    | 67    |
| Other machinery.....                                  | 2      | 1     | 2     | 3     | 124     | 123   | 145   | 112   |
| Falls of persons.....                                 | 3      | 1     | 3     | 1     | 243     | 230   | 266   | 250   |
| Flying or falling objects (rocks, timbers, etc.)..... | 1      | 2     | 1     | 2     | 541     | 567   | 597   | 519   |
| Burns from matte, slag, or molten metal.....          | 1      | 3     | 1     | 2     | 691     | 730   | 677   | 678   |
| Hot-metal explosions.....                             | 3      | 1     | 1     | 1     | 128     | 104   | 83    | 105   |
| Other causes.....                                     | 4      | 2     | 4     | 7     | 1,382   | 1,226 | 1,289 | 1,203 |
| <b>Ore-dressing plants</b> .....                      | 24     | 20    | 17    | 13    | 2,549   | 2,511 | 2,232 | 2,294 |
| Haulage system (cars, motors, etc.).....              | 2      | 1     | ..... | ..... | 144     | 91    | 60    | 63    |
| Railway cars and locomotives.....                     | 2      | 1     | 1     | 1     | 93      | 41    | 24    | 59    |
| Crushers, rolls, or stamps.....                       | .....  | 1     | 2     | 2     | 182     | 108   | 132   | 84    |
| Other machinery.....                                  | 5      | 5     | 4     | 1     | 232     | 232   | 214   | 268   |
| Falls of persons.....                                 | 5      | 3     | ..... | 1     | 259     | 324   | 308   | 303   |
| Flying or falling objects (rocks, timbers, etc.)..... | .....  | 1     | ..... | 1     | 236     | 250   | 279   | 268   |
| Electricity.....                                      | 1      | 2     | 1     | ..... | 26      | 35    | 34    | 41    |
| Other causes.....                                     | 4      | 2     | 8     | 7     | 1,231   | 1,424 | 1,161 | 1,168 |
| <b>Coke ovens</b> .....                               | 43     | 34    | 26    | 31    | 2,598   | 1,643 | 1,690 | 1,523 |
| Cars, trolleys, and motors.....                       | 16     | 6     | 8     | 5     | 231     | 131   | 129   | 131   |
| Railway cars and locomotives.....                     | 3      | ..... | 3     | 3     | 34      | 27    | 32    | 41    |
| Coke-drawing machines.....                            | 1      | 5     | 1     | ..... | 32      | 32    | 34    | 40    |
| Falls of persons.....                                 | 5      | 2     | 2     | 8     | 405     | 218   | 205   | 266   |
| Hand tools.....                                       | 1      | ..... | ..... | ..... | 247     | 115   | 115   | 142   |
| Burns.....  | 8      | 1     | 2     | 3     | 375     | 199   | 231   | 215   |
| Falling objects.....                                  | 3      | 5     | 1     | 3     | 321     | 189   | 226   | 231   |
| Other causes.....                                     | 11     | 9     | 11    | 27    | 922     | 740   | 684   | 636   |

<sup>1</sup> Includes premature blasts, explosion of misfires, suffocation by gas from explosives, flying pieces from blasts, etc.

<sup>2</sup> Not available.

Source: Bureau of Mines, Department of Commerce.

## No. 752.—ACCIDENTS IN MINERAL INDUSTRIES: BY GROUPS OF INDUSTRIES

| Year                 | Number employed |                               | Killed | Injured         |           |              |                   |                    |                  |  |
|----------------------|-----------------|-------------------------------|--------|-----------------|-----------|--------------|-------------------|--------------------|------------------|--|
|                      | Actual number   | Equivalent in 300-day workers |        | Total non-fatal | Temporary |              |                   | Permanent          |                  |  |
|                      |                 |                               |        |                 | Total     | 1 to 14 days | More than 14 days | Partial disability | Total disability |  |
| All metal mines:     |                 |                               |        |                 |           |              |                   |                    |                  |  |
| 1916                 | 152,118         | 141,997                       | 553    | 35,295          | 34,680    | 27,444       | 7,242             | 374                | 26               |  |
| 1919                 | 145,262         | 134,871                       | 468    | 31,506          | 31,178    | 23,330       | 7,848             | 321                | 7                |  |
| 1920                 | 136,583         | 134,540                       | 425    | 32,562          | 32,205    | 24,311       | 7,894             | 345                | 12               |  |
| 1921                 | 93,929          | 74,510                        | 230    | 18,604          | 18,424    | 13,607       | 4,817             | 173                | 7                |  |
| 1922                 | 105,697         | 97,138                        | 344    | 26,080          | 25,840    | 19,330       | 6,510             | 231                | 9                |  |
| 1923                 | 123,279         | 121,866                       | 367    | 33,563          | 33,129    | 24,598       | 8,531             | 414                | 20               |  |
| 1924                 | 123,128         | 119,113                       | 418    | 33,118          | 32,708    | 24,306       | 8,398             | 402                | 19               |  |
| 1925                 | 126,712         | 123,908                       | 371    | 35,132          | 34,458    | 26,295       | 8,163             | 653                | 21               |  |
| 1926                 | 127,823         | 123,870                       | 430    | 30,350          | 29,773    | 22,092       | 7,681             | 557                | 20               |  |
| All quarries         |                 |                               |        |                 |           |              |                   |                    |                  |  |
| 1916                 | 100,740         | 82,447                        | 148    | 9,671           | 9,148     | 7,783        | 1,365             | 507                | 14               |  |
| 1919                 | 78,505          | 63,794                        | 123    | 9,190           | 8,951     | 7,339        | 1,612             | 225                | 23               |  |
| 1920                 | 86,458          | 77,080                        | 178    | 10,217          | 10,680    | 8,987        | 1,693             | 327                | 19               |  |
| 1921                 | 77,185          | 59,958                        | 120    | 10,465          | 10,126    | 8,220        | 1,896             | 330                | 9                |  |
| 1922                 | 79,081          | 68,861                        | 132    | 11,839          | 11,442    | 9,700        | 2,142             | 377                | 20               |  |
| 1923                 | 92,455          | 85,183                        | 143    | 14,930          | 14,547    | 11,980       | 2,567             | 431                | 12               |  |
| 1924                 | 94,343          | 84,426                        | 188    | 14,777          | 14,807    | 11,509       | 2,705             | 457                | 15               |  |
| 1925                 | 91,872          | 83,487                        | 149    | 14,165          | 13,713    | 11,086       | 2,627             | 430                | 23               |  |
| 1926                 | 91,146          | 82,361                        | 154    | 13,201          | 12,770    | 10,452       | 2,318             | 416                | 15               |  |
| Metallurgical plants |                 |                               |        |                 |           |              |                   |                    |                  |  |
| 1916                 | 80,201          | 68,596                        | 83     | 15,080          | 14,668    | 11,420       | 3,443             | 200                | 17               |  |
| 1919                 | 61,120          | 54,358                        | 64     | 8,126           | 8,063     | 5,184        | 1,869             | 71                 | 2                |  |
| 1920                 | 59,232          | 45,587                        | 61     | 8,863           | 8,714     | 6,724        | 1,990             | 147                | 3                |  |
| 1921                 | 33,430          | 30,549                        | 27     | 4,494           | 4,456     | 3,431        | 1,025             | 38                 | —                |  |
| 1922                 | 44,000          | 40,608                        | 45     | 6,678           | 6,600     | 4,975        | 1,625             | 76                 | 2                |  |
| 1923                 | 53,871          | 50,499                        | 56     | 8,424           | 8,260     | 6,021        | 2,239             | 168                | 1                |  |
| 1924                 | 56,196          | 62,948                        | 55     | 8,236           | 8,132     | 5,949        | 2,183             | 90                 | 4                |  |
| 1925                 | 58,035          | 66,230                        | 44     | 7,711           | 7,480     | 5,578        | 1,902             | 236                | 5                |  |
| 1926                 | 57,726          | 63,687                        | 48     | 7,279           | 7,052     | 5,002        | 2,050             | 223                | 4                |  |
| All coke ovens       |                 |                               |        |                 |           |              |                   |                    |                  |  |
| 1916                 | 31,603          | 34,119                        | 45     | 5,237           | 5,154     | 4,468        | 686               | 81                 | 2                |  |
| 1919                 | 28,741          | 27,674                        | 53     | 4,031           | 3,906     | 3,118        | 790               | 121                | 3                |  |
| 1920                 | 28,139          | 29,921                        | 49     | 3,415           | 3,336     | 2,614        | 722               | 76                 | 3                |  |
| 1921                 | 16,204          | 13,868                        | 17     | 1,863           | 1,820     | 1,511        | 318               | 24                 | —                |  |
| 1922                 | 19,278          | 18,236                        | 29     | 1,710           | 1,674     | 1,287        | 387               | 36                 | 1                |  |
| 1923                 | 23,729          | 25,627                        | 46     | 2,669           | 2,517     | 1,992        | 625               | 71                 | 5                |  |
| 1924                 | 20,451          | 20,681                        | 24     | 1,645           | 1,607     | 1,176        | 431               | 38                 | —                |  |
| 1925                 | 23,254          | 24,054                        | 28     | 1,696           | 1,652     | 1,246        | 406               | 44                 | —                |  |
| 1926                 | 23,115          | 24,288                        | 51     | 1,922           | 1,874     | 1,402        | 472               | 46                 | 2                |  |

| Year        | Number employed |  | Killed         | Year  | Number employed |  | Killed  |       |
|-------------|-----------------|--|----------------|-------|-----------------|--|---------|-------|
|             | Actual number   | Equiva-<br>lent in<br>300-day<br>workers |                |       | Actual number   | Equiva-<br>lent in<br>300-day<br>workers |         |       |
| Coal mines. |                 |  | Coal mines—Con |       |                 |  |         |       |
| 1911        | 728,348         | 534,122                                  |                | 2,656 | 1922            | 844,807                                  | 406,056 | 1,984 |
| 1915        | 734,008         | 511,598                                  |                | 2,289 | 1923            | 862,536                                  | 560,000 | 2,462 |
| 1916        | 720,971         | 565,760                                  |                | 2,226 | 1924            | 779,813                                  | 490,896 | 2,402 |
| 1919        | 776,560         | 542,217                                  |                | 2,323 | 1925            | 748,805                                  | 480,227 | 2,234 |
| 1920        | 784,621         | 601,283                                  |                | 2,272 | 1926            | 759,033                                  | 559,426 | 2,518 |
| 1921        | 823,253         | 474,529                                  |                | 1,995 | 1927            | (1)                                      | (1)     | 2,224 |

<sup>1</sup> Includes loss of one foot, leg, hand, eye, one or more fingers or toes, any dislocation where ligaments are severed, or any other injury known in surgery to be permanent partial disability.

<sup>2</sup> Permanent total disability. Loss of both legs or arms, one leg and one arm, total loss of eyesight, paralysis, or other condition permanently incapacitating workman from doing any work of a gainful occupation.

<sup>3</sup> Not available.

Source: Bureau of Mines, Department of Commerce.

## 32.—MANUFACTURES

Data in this section relate to continental United States.

For additional statistics regarding food manufacturing industries and mineral manufacturing industries see sections on Farm Animals and Animal Products, Farm Crops and Foodstuffs, and Mining and Mineral Products.

GENERAL NOTE.—Prior to 1899 census statistics of manufactures were collected decennially and from then to 1919 every five years. Beginning with 1921 data are being collected every two years. For the census of 1899 and previous censuses, data were collected for both factories and hand and neighborhood industries. For the census years 1904 to 1919, inclusive, factories having products valued at \$500 or more were included, but the statistics for 1921 (except as to certain major items shown in Table 754 only), 1923, and 1925 relate only to establishments having products valued at \$5,000 or more. However, in 1921, establishments having products valued at \$500 or more but less than \$5,000, while constituting 21 per cent of the total number of establishments, employed only six-tenths of 1 per cent of the total number of wage earners, and had an output of only three-tenths of 1 per cent of the total value of the product.

The statistics for automobile repairing, collected for 1914 and 1919, have been excluded from Table 753 and from Tables 755 to 757. Data for the "Coffee and spice, roasting and grinding" industry have also been omitted for all years in the third section of Table 753.

Figures for wages and value of materials and products are greatly affected by changes in the buying power of money or, in other words, by the general levels of prices and wages.

Figures of total cost of materials and total value of products for many individual industries, for all groups of industries and especially for all industries combined, involve much duplication. This is due to the use of products of a given establishment as material for another in the same or a different industry.

No. 753.—MANUFACTURES: SUMMARY, 1849 TO 1925

|  | Num-<br>ber of<br>estab-<br>lish-<br>ments | Num-<br>ber of<br>sala-<br>ried<br>offi-<br>cers<br>and<br>em-<br>ploy-<br>ees | Wage<br>earn-<br>ers<br>(a ver-<br>age<br>num-<br>ber) | Horse-<br>power  | Sala-<br>ries          | Wages  | Cost of<br>mate-<br>rials | Value<br>of<br>prod-<br>ucts | Value<br>added<br>by<br>manu-<br>facture |
|--|--|--|--|------------------|------------------------|--------|---------------------------|------------------------------|--|
|  | In thousands                               |  |  |                  | In millions of dollars |        |                           |                              |  |
| <b>Factories and hand and neigh-<br/>borhood industries:</b>   |  |  |  |                  |                        |        |                           |                              |  |
| 1849.....  | 123  | ( <sup>1</sup> )   | 957  | ( <sup>2</sup> ) | ( <sup>1</sup> )       | 237    | 555                       | 1,019                        | 464                                      |
| 1859.....  | 140  | ( <sup>1</sup> )   | 1,311  | ( <sup>2</sup> ) | ( <sup>1</sup> )       | 379    | 1,032                     | 1,886                        | 854                                      |
| 1869.....  | 252  | ( <sup>1</sup> )   | 2,054  | 2,346            | ( <sup>1</sup> )       | 620    | 1,991                     | 3,386                        | 1,395                                    |
| 1879.....  | 254  | ( <sup>1</sup> )   | 2,733  | 3,411            | ( <sup>1</sup> )       | 948    | 3,397                     | 5,370                        | 1,973                                    |
| 1889.....  | 355  | ( <sup>1</sup> )   | 4,252  | 5,939            | ( <sup>1</sup> )       | 1,891  | 5,162                     | 9,372                        | 4,210                                    |
| 1899.....  | 512  | ( <sup>1</sup> )   | 5,306  | 10,098           | ( <sup>1</sup> )       | 2,321  | 7,344                     | 13,000                       | 5,656                                    |
| <b>Factories, excluding hand and<br/>neighborhood industries and<br/>establishments with products<br/>valued at less than \$500:</b> |  |  |  |                  |                        |        |                           |                              |  |
| 1899.....  | 208  | 364  | 4,713  | ( <sup>3</sup> ) | 381                    | 2,008  | 6,576                     | 11,407                       | 4,831                                    |
| 1904.....  | 216  | 520  | 5,468  | 13,488           | 574                    | 2,610  | 8,500                     | 14,794                       | 6,294                                    |
| 1909.....  | 268  | 790  | 6,615  | 18,675           | 939                    | 3,427  | 12,143                    | 20,672                       | 8,529                                    |
| 1914.....  | 273  | 963  | 7,024  | 22,421           | 1,274                  | 4,068  | 14,359                    | 24,217                       | 9,858                                    |
| <b>Factories, excluding establish-<br/>ments with products valued<br/>at less than \$5,000:</b>                                      |  |  |  |                  |                        |        |                           |                              |  |
| 1914.....  | 176  | 495 <sup>4</sup>   | 6,888  | 22,264           | 1,266                  | 4,063  | 14,162                    | 23,837                       | 9,675                                    |
| 1919.....  | 214  | 1,429  | 8,990  | 29,298           | 2,864                  | 10,453 | 36,969                    | 61,737                       | 24,748                                   |
| 1921.....  | 196  | 1,141  | 6,938  | ( <sup>2</sup> ) | 2,551                  | 8,193  | 25,155                    | 43,427                       | 18,272                                   |
| 1923.....  | 196  | 1,350  | 8,768  | 33,057           | 3,001                  | 10,999 | 34,481                    | 60,258                       | 25,777                                   |
| 1925.....  | 187  | 1,340  | 8,384  | 35,773           | 3,147                  | 10,730 | 35,936                    | 62,714                       | 26,778                                   |

<sup>1</sup> No comparable data.

<sup>2</sup> Not called for on schedule.

<sup>3</sup> Data approximately the same as given for factories and hand and neighborhood industries, as the amount of horsepower used in the latter is small.

<sup>4</sup> Includes data for all establishments reporting products valued at \$500 or more. These items are not tabulated separately for establishments reporting products valued between \$500 and \$5,000.

Source: Bureau of the Census, Department of Commerce.

No. 754.—MANUFACTURES: ESTABLISHMENTS, CLASSIFIED BY VALUE OF PRODUCTS<sup>1</sup>

[NOTE.—Data for the "Coffee and spice, roasting and grinding" industry omitted for 1925 but included for other years. See general note, p. 749]

| Class of establishments according to value of products | Establishments      |                       | Wage earners           |                       | Value of products        |                       |
|--|---------------------|-----------------------|------------------------|-----------------------|--------------------------|-----------------------|
|  | Number              | Per cent distribution | Average number         | Per cent distribution | Amount                   | Per cent distribution |
| <b>Less than \$5,000:</b>                              |                     |                       |                        |                       |                          |                       |
| 1925   | ( <sup>2</sup> )    | —                     | ( <sup>2</sup> )       | —                     | ( <sup>2</sup> )         | —                     |
| 1923   | ( <sup>2</sup> )    | —                     | ( <sup>2</sup> )       | —                     | ( <sup>2</sup> )         | —                     |
| 1921   | <sup>3</sup> 53,999 | —                     | <sup>3</sup> 40,924    | 0.5                   | <sup>3</sup> 136,926,975 | 0.2                   |
| 1919   | 55,485              | —                     | 43,812                 | .5                    | 167,065,044              | .5                    |
| 1914   | 97,060              | —                     | 129,623                | 1.8                   | 233,381,081              | 1.0                   |
| <b>\$5,000 and over:</b>                               |                     |                       |                        |                       |                          |                       |
| 1925   | 187,390             | 100.0                 | 8,384,261              | 100.0                 | 62,713,713,730           | 100.0                 |
| 1923   | 196,309             | 100.0                 | 8,778,156              | 100.0                 | 60,555,908,200           | 100.0                 |
| 1921   | 196,267             | 100.0                 | 8,946,570              | 99.4                  | 42,653,262,833           | 99.7                  |
| 1919   | 224,620             | 100.0                 | 9,050,569              | 99.5                  | 62,250,993,729           | 99.7                  |
| 1914   | 178,731             | 100.0                 | 5,906,624              | 98.2                  | 24,013,053,643           | 99.0                  |
| <b>\$5,000 to \$20,000:</b>                            |                     |                       |                        |                       |                          |                       |
| 1925   | 55,876              | 29.8                  | 150,373                | 1.9                   | 628,373,408              | 1.0                   |
| 1923   | 61,981              | 31.6                  | 180,738                | 2.2                   | 697,996,736              | 1.1                   |
| 1921   | 71,075              | 36.2                  | 224,852                | —                     | 782,977,433              | 1.6                   |
| 1919   | 87,440              | 38.9                  | 249,722                | 2.7                   | 945,002,857              | 1.5                   |
| 1914   | 87,931              | 49.2                  | 429,037                | 6.1                   | 906,693,164              | 2.7                   |
| <b>\$20,000 to \$100,000:</b>                          |                     |                       |                        |                       |                          |                       |
| 1925   | 68,951              | 36.8                  | 660,300                | 7.9                   | 3,272,105,872            | 5.2                   |
| 1923   | 72,370              | 36.9                  | 718,746                | 8.2                   | 3,426,433,520            | 5.5                   |
| 1921   | 72,251              | 36.8                  | 746,024                | 10.7                  | 3,330,366,400            | 7.6                   |
| 1919   | 77,911              | 34.7                  | 793,528                | 8.7                   | 3,571,283,301            | 5.7                   |
| 1914   | 56,814              | 31.8                  | 999,510                | 14.2                  | 2,550,229,411            | 10.5                  |
| <b>\$100,000 to \$500,000:</b>                         |                     |                       |                        |                       |                          |                       |
| 1925   | 42,309              | 22.5                  | 1,075,911              | 20.0                  | 9,576,696,022            | 15.2                  |
| 1923   | 42,075              | 21.4                  | 1,721,266              | 19.6                  | 9,406,592,906            | 15.7                  |
| 1921   | 39,027              | 19.4                  | 1,629,573              | 23.3                  | 8,405,758,540            | 13.9                  |
| 1919   | 39,647              | 17.7                  | 1,719,982              | 18.9                  | 8,968,872,131            | 14.4                  |
| 1914   | 26,847              | 14.8                  | <sup>4</sup> 3,002,071 | 42.7                  | 5,742,376,392            | 21.7                  |
| <b>\$500,000 to \$1,000,000:</b>                       |                     |                       |                        |                       |                          |                       |
| 1925   | 9,771               | 5.2                   | 1,131,439              | 13.5                  | 6,670,112,293            | 11.0                  |
| 1923   | 9,556               | 4.9                   | 1,134,997              | 12.9                  | 6,782,818,172            | 11.1                  |
| 1921   | 7,581               | 3.9                   | 906,559                | 13.8                  | 5,296,720,582            | 12.1                  |
| 1919   | 9,208               | 4.1                   | 1,114,616              | 12.3                  | 6,467,131,823            | 10.4                  |
| 1914   | 4,320               | 2.4                   | ( <sup>4</sup> )       | ( <sup>4</sup> )      | 3,020,693,743            | 12.5                  |
| <b>\$1,000,000 and over:</b>                           |                     |                       |                        |                       |                          |                       |
| 1925   | 10,583              | 5.6                   | 4,760,229              | 56.8                  | 42,866,941,140           | 67.6                  |
| 1923   | 10,227              | 5.2                   | 5,013,509              | 57.1                  | 40,182,156,874           | 66.4                  |
| 1921   | 7,833               | 3.7                   | 3,379,562              | 48.4                  | 25,837,475,668           | 59.0                  |
| 1919   | 10,414              | 4.6                   | 5,172,712              | 56.9                  | 42,301,103,617           | 67.8                  |
| 1914   | 3,819               | 2.1                   | 2,476,006              | 35.2                  | 11,794,060,929           | 66.6                  |

<sup>1</sup> To make the percentages for the numbers of establishments comparable, those for all 4 years have been based on the numbers of establishments reporting products valued at \$5,000 or more. The percentages for wage earners and value of products, however, have not been similarly adjusted, the comparability of these percentages having been affected very slightly by the omission of small establishments in 1923 and 1925.

<sup>2</sup> No data for establishments with products under \$5,000 in value have been tabulated for 1923 and 1925.

<sup>3</sup> The data for the 53,999 establishments in the "Less than \$5,000" class are not included in other tables.

<sup>4</sup> Data for \$500,000 to \$1,000,000 class and \$100,000 to \$500,000 class combined.

Source: Bureau of the Census, Department of Commerce.

# No. 755.—MANUFACTURES: PRIME MOTORS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY

[Note.—"Primary power" includes renewable electric power, but not other rented power. No data for prime motors were collected for 1921. To render all statistics comparable with those for 1925, figures for power other than electric and data for the "Automobile repairing" industry have been deducted for 1919, and data for the "Office and apico, roasting and grinding" industry, for 1919 and 1921.]

| Division and industry                             | Num-ber of estab-lish-ments report-ing power | Prime movers               |             |                             |             | Electric motors driven by current generated in establishments reporting |             |   |             | Electric generators   |                 |
|---|--|----------------------------|-------------|-----------------------------|-------------|---|-------------|---|-------------|---|-----------------|
|   |  | Steam engines and turbines |             | Internal-combustion engines |             | Water wheels and water turbines   |             | Electric motors driven by purchased current |             | Electric motors driven by current generated in establishments reporting |                 |
|   |  | Num-ber                    | Horse-power | Num-ber                     | Horse-power | Num-ber   | Horse-power | Num-ber                                     | Horse-power | Num-ber   | Kilowatt rating |
| United States:                                    |  |                            |             |                             |             |   |             |   |             |   |                 |
| 1925  | 187,648                                      | 4,349,191                  | 5,811       | 694                         | 39,806      | 3,222   | 777,472     | 1,732,586                                   | 1,234,115   | 3,197   | 192,479         |
| 1923  | 172,754                                      | 10,106,390                 | 20,340      | 3,553                       | 347,127     | 2,174   | 325,602     | 4,397,586                                   | 3,128,254   | 6,517   | 1,002,423       |
| 1919  | 222,253                                      | 10,017,792                 | 18,918      | 3,063                       | 305,786     | 1,239   | 245,786     | 4,643,651                                   | 3,620,410   | 7,630   | 1,136,254       |
| GEORGIA DIVISION, 1925                            |  |                            |             |                             |             |   |             |   |             |   |                 |
| New England                                       | 14,815                                       | 1,855,278                  | 8,309       | 1,271                       | 81,820      | 208   | 68,325      | 915,632                                     | 501,012     | 1,413   | 146,120         |
| Middle Atlantic                                   | 15,169                                       | 3,454,150                  | 11,106      | 2,121                       | 100,360     | 987   | 292,386     | 1,644,347                                   | 777,182     | 1,924   | 286,401         |
| East North Central                                | 7,661  | 1,815,183                  | 6,434       | 1,200                       | 31,150      | 143   | 16,434      | 653,744                                     | 12,618      | 777   | 213,418         |
| West North Central                                | 7,294  | 1,316,938                  | 6,018       | 1,276                       | 93,453      | 31  | 2,837       | 864,064                                     | 13,491      | 1,119   | 245,631         |
| South Atlantic                                    | 3,460  | 737,374                    | 1,883       | 200                         | 12,444      | 99  | 6,374       | 342,737                                     | 137,475     | 364   | 120,147         |
| East South Central                                | 13,772                                       | 2,269,749                  | 5,327       | 819                         | 35,439      | 247   | 69,175      | 1,274,429                                   | 407,836     | 604   | 254,008         |
| West South Central                                |  |                            |             |                             |             |   |             |   |             |   |                 |
| Mountain  |  |                            |             |                             |             |   |             |   |             |   |                 |
| Pacific   |  |                            |             |                             |             |   |             |   |             |   |                 |
| INDUSTRY GROUP, 1925                              |  |                            |             |                             |             |   |             |   |             |   |                 |
| Food and kindred products                         | 43,130                                       | 3,951,952                  | 10,077      | 4,081                       | 177,417     | 2,126   | 100,392     | 1,634,812                                   | 630,454     | 3,539   | 462,269         |
| Textiles and their products                       | 22,972                                       | 3,986,136                  | 5,001       | 3,316                       | 19,009      | 2,034   | 403,951     | 1,648,922                                   | 1,042,963   | 2,884   | 943,935         |
| Iron, steel, and their products, excl. machinery  | 5,923  | 7,318,949                  | 7,841       | 764                         | 209,456     | 211   | 19,050      | 2,426,010                                   | 2,053,806   | 2,051   | 1,420,276       |
| Lumber and allied products                        | 20,623                                       | 3,172,770                  | 21,706      | 2,052                       | 67,969      | 749   | 48,448      | 672,767                                     | 64,820      | 4,544   | 76,277          |
| Leather and allied manufactures                   | 3,001  | 413,759                    | 1,218       | 82                          | 4,434       | 79  | 4,935       | 192,267                                     | 18,731      | 538   | 14,424          |
| Rubber products                                   | 462  | 656,657                    | 463         | 14                          | 204         | 25  | 3,241       | 426,218                                     | 11,841      | 207   | 32,718          |
| Paper, printing, and related industries           | 23,805                                       | 3,070,704                  | 8,783       | 731                         | 12,020      | 2,285   | 634,372     | 1,018,771                                   | 41,716      | 1,633   | 670,165         |
| Chemicals and allied products                     | 7,554  | 2,984,913                  | 12,869      | 1,066                       | 70,469      | 117   | 164,906     | 1,120,925                                   | 46,033      | 2,010   | 600,904         |
| Stone, clay, and glass products                   | 7,915  | 2,418,157                  | 6,249       | 1,753                       | 111,836     | 163   | 20,006      | 1,209,311                                   | 25,460      | 1,389   | 463,414         |
| Metals and products, excl. iron and steel         | 5,500  | 1,159,486                  | 1,110       | 240                         | 20,947      | 71  | 7,399       | 690,010                                     | 18,597      | 687   | 253,908         |
| Tobacco manufactures                              | 732  | 42,078                     | 154         | 11                          | 73          | 6   | 307         | 16,667                                      | 3,162       | 85  | 14,978          |
| Machinery, not including transportation equipment | 11,482                                       | 2,714,377                  | 4,519       | 106                         | 61,703      | 895   | 22,166      | 1,596,287                                   | 120,160     | 2,019   | 820,716         |
| Musical instruments and phonographs               | 421  | 97,318                     | 196         | 10                          | 748         | 4   | 220         | 38,061                                      | 5,070       | 127   | 28,587          |
| Recreation and amusement—air, land, water         | 2,722  | 1,866,961                  | 434         | 304                         | 10,766      | 31  | 1,197       | 1,200,012                                   | 74,642      | 2,474   | 879,083         |
| Refrigerating and cold storage                    | 2,035  | 942,349                    | 2,082       | 147                         | 4,621       | 3   | 32          | 684,789                                     | 16,748      | 882   | 142,451         |
| Marine industries                                 | 6,722  | 601,826                    | 1,100       | 184                         | 17,046      | 104   | 6,310       | 428,440                                     | 74,672      | 375   | 68,943          |

<sup>1</sup> Data for a small number of water motors included for 1919 but not for 1923 or 1925.  
<sup>2</sup> Includes data for establishments with products valued at less than \$5,000. Statistics for 1923 and 1925 refer only to establishments with products valued at \$5,000 or more.  
 Source: Bureau of the Census, Department of Commerce.



## No. 756.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES

[NOTE. See general note, p. 749. Figures do not include data for establishments engaged in the "Automobile repairing" and the "Coffee and spice, roasting and grinding" industries. For explanation of term, "primary power," see headnote Table 755. Data for this item were not collected in 1921]

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages      | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power <sup>1</sup> |
|--|---------------------|--|--|------------|----------------------|----------------------|---------------------------------------|---|
|  |                     |  |  |            |                      |                      |                                       |   |
| All industries...  | 1925                | 187,300                                    | 8,384,281                              | 10,729,969 | 25,935,648           | 62,713,714           | 29,778,096                            | 35,772,928                              |
|  | 1923                | 195,580                                    | 8,708,491                              | 10,999,282 | 34,480,855           | 60,258,470           | 25,777,615                            | 33,055,870                              |
|  | 1921                | 195,555                                    | 6,937,088                              | 8,192,952  | 25,154,807           | 43,427,224           | 18,272,417                            | ...                                     |
|  | 1919                | 273,804                                    | 9,880,771                              | 10,452,586 | 37,044,832           | 61,898,635           | 24,844,803                            | 29,297,968                              |
|  | 1914                | 271,822                                    | 7,015,136                              | 4,063,210  | 14,242,415           | 24,005,769           | 9,823,351                             | 22,364,343                              |
| 1 Food and kindred products. <sup>2</sup>                    | 1925                | 48,113                                     | 664,780                                | 793,681    | 7,748,678            | 10,418,536           | 2,669,838                             | 3,881,952                               |
|  | 1923                | 51,118                                     | 672,472                                | 785,555    | 6,766,003            | 9,226,523            | 2,560,520                             | 3,685,067                               |
|  | 1921                | 51,401                                     | 617,736                                | 736,895    | 5,956,684            | 8,941,073            | 2,084,369                             | ...                                     |
|  | 1919                | 68,829                                     | 723,124                                | 765,321    | 10,008,734           | 12,443,556           | 2,434,822                             | 3,173,400                               |
|  | 1914                | 66,707                                     | 527,887                                | 296,837    | 3,790,666            | 4,827,011            | 1,036,845                             | 2,477,376                               |
| 2 Textiles and their products. <sup>2</sup>                  | 1925                | 24,433                                     | 1,027,141                              | 1,434,013  | 5,348,050            | 9,122,858            | 3,774,808                             | 3,946,130                               |
|  | 1923                | 26,767                                     | 1,715,361                              | 1,743,861  | 5,394,648            | 9,462,634            | 4,067,086                             | 3,783,304                               |
|  | 1921                | 25,960                                     | 1,509,789                              | 1,472,300  | 3,801,252            | 6,958,715            | 3,155,463                             | ...                                     |
|  | 1919                | 28,457                                     | 1,610,067                              | 1,481,183  | 5,379,557            | 9,211,190            | 3,831,633                             | 3,244,456                               |
|  | 1914                | 23,364                                     | 1,506,197                              | 675,002    | 2,014,000            | 3,445,481            | 1,431,382                             | 2,717,369                               |
| 3 Iron and steel and their products, not including machinery | 1925                | 6,068                                      | 851,270                                | 1,284,339  | 3,734,350            | 6,461,068            | 2,727,318                             | 7,518,980                               |
|  | 1923                | 6,358                                      | 892,060                                | 1,324,588  | 4,112,918            | 6,828,841            | 2,675,923                             | 7,372,425                               |
|  | 1921                | 6,255                                      | 571,708                                | 731,186    | 2,140,344            | 3,456,300            | 1,316,046                             | ...                                     |
|  | 1919                | 7,621                                      | 858,571                                | 1,244,405  | 3,423,678            | 5,699,823            | 2,665,845                             | 6,430,012                               |
|  | 1914                | 6,331                                      | 618,349                                | 421,988    | 1,315,810            | 2,137,626            | 821,815                               | 4,567,816                               |
| 4 Lumber and allied products.                                | 1925                | 21,922                                     | 921,145                                | 978,375    | 1,724,083            | 3,088,552            | 1,963,369                             | 3,472,770                               |
|  | 1923                | 21,674                                     | 981,748                                | 962,642    | 1,666,188            | 3,633,034            | 1,906,846                             | 3,336,182                               |
|  | 1921                | 21,363                                     | 708,309                                | 670,421    | 1,197,465            | 2,456,008            | 1,259,143                             | ...                                     |
|  | 1919                | 41,195                                     | 863,937                                | 859,832    | 1,368,172            | 2,113,208            | 1,745,031                             | 3,409,634                               |
|  | 1914                | 43,452                                     | 865,009                                | 446,777    | 765,573              | 1,615,780            | 850,207                               | 3,176,145                               |
| 5 Leather and its finished products.                         | 1925                | 4,364                                      | 315,288                                | 356,246    | 1,015,123            | 1,767,581            | 752,459                               | 613,750                                 |
|  | 1923                | 4,666                                      | 344,545                                | 388,630    | 1,083,345            | 1,890,085            | 796,740                               | 612,908                                 |
|  | 1921                | 4,813                                      | 280,071                                | 314,412    | 934,398              | 1,544,186            | 609,768                               | ...                                     |
|  | 1919                | 6,397                                      | 349,362                                | 363,453    | 1,713,806            | 2,610,231            | 896,423                               | 552,537                                 |
|  | 1914                | 6,758                                      | 307,060                                | 160,358    | 738,135              | 1,104,505            | 351,460                               | 311,194                                 |
| 6 Rubber products.   | 1925                | 498  | 141,121                                | 190,563    | 718,640              | 1,255,414            | 530,574                               | 656,857                                 |
|  | 1923                | 529  | 137,868                                | 182,064    | 501,163              | 958,318              | 467,355                               | 605,634                                 |
|  | 1921                | 496  | 103,273                                | 123,613    | 377,879              | 704,903              | 327,024                               | ...                                     |
|  | 1919                | 477  | 158,549                                | 193,761    | 594,343              | 1,138,216            | 513,873                               | 426,273                                 |
|  | 1914                | 342  | 74,022                                 | 44,167     | 163,035              | 300,904              | 137,959                               | 199,242                                 |
| 7 Paper, printing, and related industries. <sup>3</sup>      | 1925                | 26,553                                     | 536,766                                | 806,516    | 1,614,235            | 4,143,685            | 2,529,450                             | 3,009,794                               |
|  | 1923                | 25,790                                     | 527,019                                | 743,050    | 1,544,418            | 3,772,288            | 2,277,870                             | 2,743,829                               |
|  | 1921                | 25,377                                     | 467,256                                | 637,432    | 1,332,371            | 3,150,564            | 1,818,193                             | ...                                     |
|  | 1919                | 36,424                                     | 510,040                                | 604,722    | 1,308,261            | 3,614,632            | 1,706,631                             | 2,346,652                               |
|  | 1914                | 37,209                                     | 453,006                                | 296,598    | 581,266              | 1,456,814            | 875,348                               | 2,059,073                               |
| 8 Chemicals and allied products. <sup>4</sup>                | 1925                | 8,871                                      | 381,075                                | 509,386    | 4,184,911            | 6,438,027            | 2,253,116                             | 2,981,913                               |
|  | 1923                | 8,632                                      | 384,493                                | 501,265    | 3,680,407            | 5,706,566            | 2,020,459                             | 2,739,519                               |
|  | 1921                | 8,694                                      | 314,231                                | 404,300    | 3,111,425            | 4,594,777            | 1,483,352                             | ...                                     |
|  | 1919                | 12,405                                     | 460,641                                | 550,262    | 3,903,873            | 6,090,949            | 2,187,076                             | 2,434,938                               |
|  | 1914                | 13,229                                     | 319,164                                | 225,190    | 1,485,074            | 2,685,423            | 1,200,349                             | 1,920,277                               |

<sup>1</sup> Statistics for 1919 and 1914 in the case of a few groups differ from those in certain previous reports because of the exclusion here and the inclusion in the previous reports of data for rented power other than electric.

<sup>2</sup> No data for the "Coffee and spice, roasting and grinding" industry were tabulated at the census for 1925, and therefore the statistics for the earlier years have been adjusted by deducting the figures for this industry.

<sup>3</sup> The manufacture of asbestos textiles, formerly treated as an industry in Group 2, is now classified as a branch of the "Asbestos products, other than steam packing or pipe and boiler covering" industry, in Group 9. The statistics for 1923 and earlier years have accordingly been adjusted to include the data for asbestos textiles in Group 9.

<sup>4</sup> The manufacture of engravers' materials, formerly classified in Group 16, is now classified in Group 7. The statistics for 1923 and earlier years have accordingly been adjusted to include the figures for this industry in Group 7.

<sup>5</sup> The fact that the increase in the chemical group is less than in most others is due to the prohibition amendment, greatly reducing the production of distilled, fermented, and vinous liquors. Excluding these, the principal items for 1914 and 1925 become, respectively, as follows: Wage earners, 278,497 and 379,415; wages, \$166,758,600 and \$504,286,000; value of products, \$2,019,877,000 and \$6,876,885,000; value added by manufacture, \$715,013,000 and \$2,232,304.

## No. 756.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages                             | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|-----------------------------------|----------------------|----------------------|---------------------------------------|----------------------------|
|  |                     |  |  | Expressed in thousands of dollars |                      |                      |                                       |                            |
| 9. Stone, clay, and<br>glass products. <sup>6</sup>                | 1925                | 8,478                                      | 353,036                                | 467,012                           | 603,427              | 1,640,652            | 1,037,225                             | 2,348,157                  |
|  | 1923                | 8,317                                      | 351,692                                | 453,567                           | 573,473              | 1,563,121            | 989,648                               | 1,936,064                  |
|  | 1921                | 8,347                                      | 252,990                                | 307,065                           | 428,257              | 1,033,089            | 604,832                               | -----                      |
|  | 1919                | 12,599                                     | 302,810                                | 332,725                           | 422,612              | 1,111,747            | 689,135                               | 1,584,917                  |
|  | 1914                | 14,790                                     | 335,824                                | 206,084                           | 240,817              | 618,700              | 377,883                               | 1,493,976                  |
| 10. Metals and metal<br>products, other<br>than iron and<br>steel. | 1925                | 6,924                                      | 275,292                                | 380,781                           | 1,946,777            | 2,833,770            | 886,993                               | 1,158,486                  |
|  | 1923                | 7,433                                      | 296,911                                | 394,024                           | 1,767,072            | 2,634,031            | 866,959                               | 1,168,656                  |
|  | 1921                | 7,801                                      | 212,354                                | 256,251                           | 885,840              | 1,406,873            | 521,033                               | -----                      |
|  | 1919                | 10,346                                     | 304,195                                | 358,638                           | 1,737,024            | 2,517,417            | 780,393                               | 951,770                    |
|  | 1914                | 9,708                                      | 238,246                                | 153,956                           | 963,794              | 1,327,930            | 364,136                               | 549,326                    |
| 11. Tobacco manufac-<br>tures.                                     | 1925                | 2,623                                      | 132,132                                | 111,558                           | 425,769              | 1,091,001            | 665,232                               | 42,075                     |
|  | 1923                | 3,672                                      | 146,337                                | 120,462                           | 515,865              | 1,044,192            | 528,327                               | 43,515                     |
|  | 1921                | 4,372                                      | 149,985                                | 120,903                           | 608,689              | 1,048,490            | 439,801                               | -----                      |
|  | 1919                | 10,291                                     | 157,097                                | 123,968                           | 483,567              | 1,012,933            | 529,366                               | 43,390                     |
|  | 1914                | 13,951                                     | 178,872                                | 77,856                            | 207,134              | 490,165              | 283,031                               | 34,756                     |
| 12. Machinery, not in-<br>cluding transpor-<br>tation equipment.   | 1925                | 11,807                                     | 658,843                                | 1,225,359                         | 1,985,367            | 5,020,281            | 3,034,914                             | 2,714,377                  |
|  | 1923                | 12,147                                     | 907,707                                | 1,253,743                         | 1,891,524            | 4,727,818            | 2,836,294                             | 2,300,443                  |
|  | 1921                | 12,395                                     | 662,277                                | 832,781                           | 1,361,163            | 3,235,075            | 1,873,912                             | -----                      |
|  | 1919                | 14,821                                     | 998,484                                | 1,240,487                         | 1,973,455            | 4,768,671            | 2,795,216                             | 2,060,325                  |
|  | 1914                | 13,457                                     | 618,737                                | 412,406                           | 662,967              | 1,582,409            | 919,442                               | 1,256,908                  |
| 13. Musical instru-<br>ments and pho-<br>nographs.                 | 1925                | 461  | 46,980                                 | 62,502                            | 98,761               | 231,687              | 132,926                               | 97,318                     |
|  | 1923                | 535  | 58,329                                 | 75,396                            | 123,000              | 282,531              | 158,931                               | 90,229                     |
|  | 1921                | 600  | 45,113                                 | 54,494                            | 94,968               | 212,989              | 118,001                               | -----                      |
|  | 1919                | 778  | 68,741                                 | 75,868                            | 137,460              | 320,905              | 183,445                               | 91,040                     |
|  | 1914                | 737  | 48,768                                 | 30,855                            | 49,324               | 119,689              | 70,365                                | 57,526                     |
| 14. Transportation<br>equipment, air,<br>land, and water.          | 1925                | 2,778                                      | 559,578                                | 908,488                           | 3,389,101            | 5,451,753            | 2,062,652                             | 1,888,961                  |
|  | 1923                | 3,873                                      | 606,328                                | 963,939                           | 3,394,506            | 5,333,480            | 1,938,975                             | 1,624,468                  |
|  | 1921                | 4,273                                      | 405,773                                | 591,333                           | 1,803,011            | 3,018,155            | 1,215,144                             | -----                      |
|  | 1919                | 6,768                                      | 858,582                                | 1,259,015                         | 3,200,603            | 5,627,265            | 2,426,662                             | 1,453,804                  |
|  | 1914                | 7,818                                      | 312,562                                | 230,615                           | 639,793              | 1,137,423            | 497,630                               | 602,459                    |
| 15. Railroad repair<br>shops.                                      | 1925                | 2,363                                      | 457,755                                | 668,192                           | 563,646              | 1,332,679            | 769,033                               | 942,248                    |
|  | 1923                | 2,346                                      | 523,430                                | 772,968                           | 631,359              | 1,520,093            | 888,734                               | 806,435                    |
|  | 1921                | 2,326                                      | 418,285                                | 671,956                           | 506,571              | 1,267,342            | 760,771                               | -----                      |
|  | 1919                | 2,368                                      | 515,709                                | 726,691                           | 547,829              | 1,354,446            | 806,617                               | 644,875                    |
|  | 1914                | 2,011                                      | 365,902                                | 253,150                           | 261,438              | 552,618              | 291,180                               | 476,863                    |
| 16. Miscellaneous in-<br>dustries. <sup>7</sup>                    | 1925                | 11,234                                     | 262,079                                | 336,956                           | 833,630              | 1,815,570            | 981,940                               | 604,826                    |
|  | 1923                | 11,310                                     | 271,591                                | 333,678                           | 794,367              | 1,684,415            | 890,048                               | 577,660                    |
|  | 1921                | 10,852                                     | 223,448                                | 267,520                           | 614,470              | 1,299,995            | 685,525                               | -----                      |
|  | 1919                | 14,228                                     | 290,853                                | 312,032                           | 841,918              | 1,663,551            | 821,633                               | 622,900                    |
|  | 1914                | 11,958                                     | 215,541                                | 119,503                           | 348,490              | 663,106              | 314,616                               | 362,007                    |

<sup>4</sup> See footnote 3<sup>5</sup> See footnote 4.

Source: Bureau of the Census, Department of Commerce.

98827°—S A 1928—49

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES

**Notes.**—The figures for some industries do not fully represent the totals properly assignable to them, while those for some other industries are overstated, as in many cases establishments manufacture two or more classes of commodities, and figures for the entire establishment are placed in the industry in which it is primarily engaged. In figures for cost of materials and value of products extensive duplication occurs due to the use of the products of one establishment as the materials of another. As to comparability of figures, see general note, p. 749. Data for primary horsepower were not collected in 1921. Horsepower figures for 1914 and 1919 in certain industries differ from those in previous reports because of exclusion here and inclusion in certain previous reports of data for rented power other than electric. For totals for all industries and for 16 great groups, see Table 756.]

| Industry   | Year | Number of establishments | Wage earners (average number) | Wages   | Cost of materials | Value of products | Value added by manufacture | Primary horsepower |
|--|------|--------------------------|-------------------------------|---------|-------------------|-------------------|----------------------------|--------------------|
| Expressed in thousands of dollars  |      |                          |                               |         |                   |                   |                            |                    |
| <b>FOOD AND KINDRED PRODUCTS</b>   |      |                          |                               |         |                   |                   |                            |                    |
| Animal products, total.  | 1925 | 11,091                   | 191,573                       | 367,591 | 3,799,999         | 4,992,797         | 797,997                    | 992,999            |
|  | 1923 | 12,607                   | 204,542                       | 297,792 | 3,399,999         | 4,912,997         | 727,999                    | 799,999            |
|  | 1921 | 11,374                   | 194,991                       | 294,999 | 3,719,991         | 3,312,741         | 699,999                    | —                  |
|  | 1919 | 12,794                   | 204,992                       | 294,941 | 4,029,994         | 5,799,999         | 794,999                    | 994,997            |
|  | 1914 | 12,499                   | 199,999                       | 91,999  | 1,999,949         | 2,199,999         | 397,129                    | 494,999            |
| Butter   | 1925 | 2,499                    | 17,799                        | 22,999  | 999,997           | 999,999           | 99,199                     | 129,997            |
|  | 1923 | 2,999                    | 29,912                        | 24,999  | 999,999           | 999,994           | 99,919                     | 129,999            |
|  | 1921 | 2,444                    | 19,999                        | 22,999  | 997,991           | 997,794           | 79,999                     | —                  |
|  | 1919 | 2,799                    | 17,941                        | 12,999  | 914,949           | 999,199           | 99,917                     | 94,999             |
|  | 1914 | 4,999                    | 14,199                        | 19,199  | 212,947           | 292,979           | 29,999                     | 91,999             |
| Cheese   | 1925 | 2,999                    | 2,999                         | 4,999   | 199,999           | 119,979           | 14,199                     | 29,999             |
|  | 1923 | 2,999                    | 4,999                         | 5,112   | 197,999           | 127,799           | 99,799                     | 29,919             |
|  | 1914 | 4,999                    | 2,999                         | 2,999   | 99,799            | 91,749            | 4,999                      | 19,999             |
| Condensed and evaporated milk.   | 1925 | 499                      | 7,119                         | 9,999   | 199,941           | 171,997           | 91,999                     | 99,997             |
|  | 1923 | 379                      | 9,999                         | 19,199  | 199,999           | 197,111           | 99,119                     | 99,999             |
|  | 1914 | 199                      | 9,999                         | 2,999   | 99,799            | 99,199            | 12,441                     | 19,999             |
| Oleomargarine and other butter substitutes, not made in slaughtering and meat-packing establishments.  | 1925 | 99                       | 1,999                         | 2,979   | 29,999            | 29,999            | 11,971                     | 9,799              |
|  | 1923 | 91                       | 1,994                         | 1,991   | 29,779            | 29,999            | 19,199                     | 9,999              |
|  | 1914 | 17                       | 997                           | 994     | 19,297            | 19,999            | 4,999                      | 2,491              |
| Ice cream  | 1925 | 2,799                    | 22,943                        | 32,497  | 199,994           | 299,179           | 149,912                    | 199,999            |
|  | 1923 | 2,792                    | 22,132                        | 32,433  | 199,997           | 299,997           | 114,999                    | 199,799            |
|  | 1921 | 2,529                    | 20,209                        | 29,297  | 121,179           | 212,292           | 92,992                     | —                  |
|  | 1919 | 2,475                    | 19,159                        | 21,999  | 119,375           | 199,493           | 79,199                     | 102,944            |
|  | 1914 | 2,497                    | 10,379                        | 9,943   | 99,772            | 99,993            | 29,211                     | 49,499             |
| Slaughtering and meat packing, wholesale.  | 1925 | 1,999                    | 129,422                       | 199,359 | 2,929,192         | 3,999,299         | 429,994                    | 441,919            |
|  | 1923 | 1,997                    | 122,792                       | 197,999 | 2,179,919         | 2,999,994         | 499,794                    | 399,127            |
|  | 1921 | 1,194                    | 117,942                       | 192,999 | 1,999,199         | 2,209,942         | 292,744                    | —                  |
|  | 1919 | 1,994                    | 199,999                       | 209,499 | 3,792,999         | 4,249,291         | 493,391                    | 299,992            |
|  | 1914 | 1,279                    | 99,932                        | 92,139  | 1,441,999         | 1,991,999         | 219,292                    | 222,979            |
| Poultry killing and dressing.  | 1925 | 199                      | 2,799                         | 2,991   | 39,791            | 49,494            | 9,999                      | 9,994              |
|  | 1923 | 127                      | 1,919                         | 1,449   | 21,792            | 29,424            | 4,941                      | 2,999              |
|  | 1914 | 119                      | 1,353                         | 922     | 11,299            | 12,917            | 1,711                      | 2,299              |
| Sausage and sausage casings, not made in slaughtering and meat-packing establishments.                 | 1925 | —                        | 4,914                         | 7,992   | 91,497            | 92,439            | 29,999                     | 19,194             |
|  | 1923 | —                        | 4,992                         | 9,949   | 91,999            | 99,919            | 19,477                     | 17,917             |
|  | 1914 | 939                      | 2,919                         | 1,929   | 17,929            | 29,993            | 9,197                      | 7,949              |
| Canning and preserving: Fish, crabs, shrimps, oysters, and clams.                                      | 1925 | 319                      | 19,939                        | 7,294   | 29,194            | 91,991            | 21,997                     | 19,327             |
|  | 1923 | 391                      | 9,144                         | 9,192   | 31,993            | 99,999            | 19,939                     | 17,999             |
|  | 1914 | 399                      | 11,199                        | 4,193   | 29,992            | 39,349            | 12,997                     | 12,991             |
| Vegetable and mineral products.  | 1925 | 39,212                   | 473,199                       | 549,199 | 3,997,779         | 5,979,749         | 1,911,971                  | 2,999,334          |
|  | 1923 | 39,911                   | 499,999                       | 927,773 | 3,479,499         | 5,212,929         | 1,733,459                  | 2,994,291          |
|  | 1921 | 49,927                   | 432,999                       | 992,999 | 3,241,323         | 4,729,332         | 1,494,999                  | —                  |
|  | 1919 | 94,935                   | 499,791                       | 479,999 | 4,993,979         | 6,993,299         | 1,799,199                  | 2,491,729          |
|  | 1914 | 94,392                   | 379,979                       | 299,979 | 1,941,124         | 2,979,349         | 729,225                    | 2,923,299          |
| Canning and preserving: Fruits and vegetables, manufacture of pickles, jellies, preserves, and sauces. | 1925 | 2,493                    | 95,999                        | 97,427  | 399,974           | 919,971           | 239,497                    | 197,499            |
|  | 1923 | 2,439                    | 72,934                        | 97,193  | 299,999           | 919,919           | 219,349                    | 175,714            |
|  | 1921 | 1,999                    | 91,729                        | 99,999  | 237,992           | 395,717           | 129,935                    | —                  |
|  | 1919 | 2,999                    | 77,499                        | 99,949  | 399,999           | 949,999           | 199,292                    | 154,931            |
|  | 1914 | 3,925                    | 92,915                        | 29,999  | 139,999           | 219,991           | 71,129                     | 199,497            |

For footnotes see p. 776.

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages   | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|---------|----------------------|----------------------|---------------------------------------|----------------------------|
|  |                     |  |  |         |                      |                      |                                       |                            |
| FOOD AND KINDRED<br>PRODUCTS—Con                                   |                     |  |  |         |                      |                      |                                       |                            |
| Chocolate and cocoa<br>products, not includ-<br>ing confectionery. | 1925                | 60   | 7,128                                  | 7,992   | 73,532               | 106,642              | 33,120                                | 58,266                     |
|  | 1923                | 58   | 6,876                                  | 7,730   | 60,843               | 95,532               | 34,689                                | 47,197                     |
|  | 1914                | 36   | 4,160                                  | 2,086   | 24,483               | 35,713               | 11,230                                | 19,676                     |
| Confectionery.   | 1925                | 1,931                                      | 63,600                                 | 55,235  | 206,433              | 379,081              | 173,648                               | 100,455                    |
|  | 1923                | 2,014                                      | 63,486                                 | 54,881  | 202,719              | 366,256              | 163,537                               | 91,456                     |
|  | 1921                | 2,254                                      | 61,004                                 | 50,210  | 174,072              | 313,996              | 139,926                               | 77,086                     |
|  | 1919                | 3,149                                      | 76,493                                 | 54,461  | 252,424              | 447,726              | 196,292                               | 52,379                     |
|  | 1914                | 2,217                                      | 51,610                                 | 20,044  | 98,693               | 153,686              | 80,992                                | 7,712                      |
| Chewing gum.   | 1925                | 41   | 2,180                                  | 2,538   | 17,968               | 47,838               | 29,870                                | 6,906                      |
|  | 1923                | 45   | 2,062                                  | 2,233   | 15,487               | 40,871               | 26,384                                | 3,090                      |
|  | 1914                | 74   | 2,048                                  | 829     | 7,322                | 17,160               | 9,838                                 | 23,312                     |
| Flavoring extracts, fla-<br>vorings sirups, and<br>bitters         | 1925                | 431  | 3,890                                  | 5,078   | 47,064               | 94,212               | 47,148                                | 17,929                     |
|  | 1923                | 457  | 3,596                                  | 4,195   | 38,177               | 74,154               | 35,977                                | 3,526                      |
|  | 1914                | 566  | 2,390                                  | 1,160   | 13,904               | 26,696               | 12,792                                | 669,910                    |
| Flour, feed, and other<br>grain-mill products.                     | 1925                | 4,413                                      | 31,968                                 | 39,700  | 1,125,379            | 1,296,015            | 172,636                               | 709,886                    |
|  | 1923                | 5,232                                      | 35,194                                 | 41,704  | 885,972              | 1,048,578            | 162,606                               | 875,464                    |
|  | 1921                | 6,485                                      | 35,378                                 | 43,143  | 993,810              | 1,179,740            | 185,930                               | 821,406                    |
|  | 1919                | 10,708                                     | 45,481                                 | 50,889  | 1,799,181            | 2,052,434            | 253,253                               |                            |
|  | 1914                | 10,768                                     | 39,718                                 | 24,563  | 752,270              | 677,680              | 126,410                               |                            |
| Bread and other bakery<br>products.                                | 1925                | 17,684                                     | 160,411                                | 219,606 | 668,016              | 1,268,194            | 600,178                               | 227,286                    |
|  | 1923                | 18,739                                     | 162,613                                | 214,579 | 574,520              | 1,122,906            | 548,386                               | 198,186                    |
|  | 1921                | 20,173                                     | 148,500                                | 196,939 | 598,614              | 1,089,972            | 491,358                               |                            |
|  | 1919                | 26,066                                     | 141,592                                | 186,237 | 713,239              | 1,151,896            | 438,657                               | 168,711                    |
|  | 1914                | 26,963                                     | 124,062                                | 76,867  | 274,257              | 491,899              | 217,636                               | 106,797                    |
| Food preparations, not<br>elsewhere classified.                    | 1925                | 1,412                                      | 28,797                                 | 31,362  | 469,192              | 649,237              | 180,045                               | 197,903                    |
|  | 1923                | 1,309                                      | 26,212                                 | 27,456  | 332,397              | 473,402              | 141,065                               | 178,132                    |
|  | 1921                | 1,387                                      | 22,868                                 | 24,175  | 260,621              | 372,896              | 112,277                               |                            |
|  | 1919                | 2,003                                      | 30,378                                 | 29,404  | 494,772              | 631,818              | 137,010                               | 149,709                    |
|  | 1914                | 1,544                                      | 19,953                                 | 10,665  | 153,219              | 218,411              | 66,192                                | 79,823                     |
| Corn sirup, corn oil,<br>and starch.                               | 1925                | 30   | 6,492                                  | 9,378   | 93,064               | 132,598              | 39,634                                | 72,617                     |
|  | 1923                | 31   | 6,537                                  | 9,090   | 74,481               | 116,560              | 42,079                                | 65,764                     |
|  | 1914                | 89   | 4,509                                  | 3,560   | 40,208               | 52,616               | 12,407                                | 41,484                     |
| Peanuts, Grading,<br>roasting, cleaning,<br>and shelling.          | 1925                | 69   | 1,990                                  | 978     | 18,184               | 20,624               | 2,440                                 | 8,830                      |
|  | 1923                | 70   | 1,492                                  | 748     | 16,176               | 18,189               | 3,013                                 | 7,703                      |
|  | 1914                | 61   | 2,353                                  | 569     | 12,571               | 14,996               | 2,425                                 | 4,232                      |
| Rice cleaning and<br>polishing                                     | 1925                | 63   | 1,296                                  | 1,098   | 45,647               | 53,498               | 7,661                                 | 22,486                     |
|  | 1923                | 69   | 1,764                                  | 1,379   | 40,213               | 47,068               | 6,855                                 | 22,220                     |
|  | 1914                | 59   | 1,263                                  | 646     | 30,616               | 23,099               | 2,423                                 | 15,671                     |
| Sugar, beet.   | 1925                | 89   | 8,872                                  | 12,088  | 87,038               | 132,339              | 45,301                                | 146,965                    |
|  | 1923                | 84   | 7,571                                  | 10,103  | 70,820               | 118,314              | 47,494                                | 127,771                    |
|  | 1914                | 60   | 7,997                                  | 6,606   | 41,399               | 62,606               | 21,206                                | 76,706                     |
| Sugar, cane, not in-<br>cluding products of<br>refineries.         | 1925                | 94   | 2,066                                  | 1,411   | 11,596               | 13,436               | 1,849                                 | 72,796                     |
|  | 1923                | 122  | 2,820                                  | 1,728   | 20,963               | 27,181               | 6,218                                 | 88,214                     |
|  | 1914                | 181  | 3,632                                  | 1,561   | 15,958               | 21,635               | 5,677                                 | 113,246                    |
| Sugar refining, cane.  | 1925                | 21   | 14,502                                 | 18,955  | 549,896              | 606,633              | 56,737                                | 69,098                     |
|  | 1923                | 20   | 15,254                                 | 20,044  | 681,880              | 726,241              | 44,361                                | 72,682                     |
|  | 1921                | 20   | 16,457                                 | 19,463  | 426,601              | 466,602              | 40,001                                |                            |
|  | 1919                | 20   | 18,202                                 | 22,710  | 662,144              | 730,987              | 68,843                                | 52,541                     |
|  | 1914                | 18   | 11,253                                 | 7,823   | 264,085              | 269,399              | 25,314                                | 49,666                     |
| Malt.  | 1925                | 23   | 568                                    | 903     | 19,996               | 24,099               | 4,063                                 | 15,259                     |
|  | 1923                | 22   | 487                                    | 742     | 13,154               | 16,431               | 3,277                                 | 14,806                     |
|  | 1914                | 97   | 1,989                                  | 1,826   | 39,199               | 46,133               | 8,234                                 | 32,494                     |
| Vinegar and cider.   | 1925                | 190  | 1,243                                  | 1,232   | 6,836                | 12,283               | 5,365                                 | 6,929                      |
|  | 1923                | 190  | 1,317                                  | 1,279   | 7,462                | 12,535               | 5,073                                 | 8,414                      |
|  | 1914                | 618  | 1,229                                  | 713     | 4,440                | 7,811                | 3,371                                 | 13,117                     |

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages     | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|-----------|----------------------|----------------------|---------------------------------------|----------------------------|
|  |                     |  |  |           |                      |                      |                                       |                            |
| FOOD AND KINDRED PRODUCTS—Con.             |                     |  |  |           |                      |                      |                                       |                            |
| Beverages <sup>1</sup> .....               | 1925                | 4,210                                      | 27,384                                 | 36,063    | 98,944               | 237,761              | 139,245                               | 168,888                    |
|  | 1923                | 4,514                                      | 29,274                                 | 37,099    | 99,572               | 228,790              | 129,156                               | 221,292                    |
|  | 1921                | 3,867                                      | 32,302                                 | 45,652    | 116,102              | 237,628              | 121,526                               | .....                      |
|  | 1919                | 5,194                                      | 17,440                                 | 16,392    | 68,601               | 135,341              | 66,740                                | 41,167                     |
|  | 1914                | 3,463                                      | 15,506                                 | 8,864     | 20,779               | 58,401               | 31,622                                | 24,721                     |
| Ice, manufactured....                      | 1925                | 3,077                                      | 24,913                                 | 35,046    | 44,725               | 180,000              | 142,244                               | 933,134                    |
|  | 1923                | 3,097                                      | 26,832                                 | 35,040    | 46,664               | 164,662              | 117,906                               | 645,012                    |
|  | 1914                | 2,543                                      | 23,011                                 | 14,841    | 17,756               | 60,388               | 42,631                                | 434,896                    |
| TEXTILES AND THEIR PRODUCTS                |                     |  |  |           |                      |                      |                                       |                            |
| Textile-mill products, total. <sup>4</sup> | 1925                | 7,470                                      | 1,110,200                              | 1,066,262 | 3,234,034            | 5,342,617            | 2,108,683                             | 3,749,886                  |
|  | 1923                | 7,816                                      | 1,104,688                              | 1,122,751 | 3,212,272            | 5,527,557            | 2,314,285                             | 3,846,440                  |
|  | 1921                | 7,241                                      | 903,557                                | 895,373   | 2,136,803            | 3,890,449            | 1,750,646                             | .....                      |
|  | 1919                | 7,143                                      | 1,052,327                              | 910,048   | 3,256,527            | 5,481,884            | 2,223,357                             | 3,021,456                  |
|  | 1914                | 5,942                                      | 920,880                                | 604,606   | 1,185,091            | 1,935,344            | 780,253                               | 2,522,662                  |
| Cotton goods.....                          | 1925                | 1,366                                      | 445,184                                | 353,883   | 1,077,153            | 1,714,308            | 637,215                               | 2,286,363                  |
|  | 1923                | 1,375                                      | 471,503                                | 395,608   | 1,147,372            | 1,901,126            | 753,754                               | 2,153,269                  |
|  | 1921                | 1,328                                      | 412,058                                | 328,227   | 707,442              | 1,278,221            | 570,779                               | .....                      |
|  | 1919                | 1,246                                      | 430,906                                | 355,475   | 1,277,786            | 2,125,272            | 647,446                               | 1,636,296                  |
|  | 1914                | 1,179                                      | 370,366                                | 146,130   | 431,603              | 676,899              | 244,900                               | 1,561,823                  |
| Cotton small wares <sup>4</sup>            | 1925                | 230  | 16,162                                 | 15,647    | 41,816               | 74,675               | 32,850                                | 23,780                     |
|  | 1923                | 224  | 16,367                                 | 15,967    | 38,015               | 72,223               | 34,008                                | 31,926                     |
| Cotton lace.....                           | 1925                | 42   | 7,006                                  | 7,620     | 13,361               | 30,843               | 17,683                                | 9,807                      |
|  | 1923                | 39   | 7,307                                  | 8,065     | 14,631               | 25,792               | 21,161                                | 9,545                      |
|  | 1914                | 41   | 7,440                                  | 3,468     | 5,677                | 13,207               | 7,530                                 | 4,817                      |
| Knit goods.....                            | 1925                | 1,967                                      | 186,608                                | 108,683   | 453,326              | 809,900              | 356,004                               | 176,630                    |
|  | 1923                | 2,323                                      | 194,244                                | 168,272   | 464,020              | 848,177              | 364,157                               | 183,673                    |
|  | 1921                | 2,078                                      | 161,890                                | 132,190   | 360,458              | 634,074              | 273,616                               | .....                      |
|  | 1919                | 2,060                                      | 172,672                                | 126,200   | 427,066              | 712,140              | 296,045                               | 149,436                    |
|  | 1914                | 1,622                                      | 150,530                                | 59,756    | 146,687              | 259,913              | 112,226                               | 122,919                    |
| Silk manufactures....                      | 1925                | 1,659                                      | 122,509                                | 142,734   | 464,122              | 608,979              | 324,857                               | 212,609                    |
|  | 1923                | 1,596                                      | 125,234                                | 126,849   | 479,036              | 761,322              | 292,294                               | 205,020                    |
|  | 1921                | 1,565                                      | 121,378                                | 113,396   | 337,559              | 593,619              | 246,890                               | .....                      |
|  | 1919                | 1,369                                      | 126,782                                | 106,226   | 368,469              | 688,469              | 300,000                               | 173,748                    |
|  | 1914                | 902  | 108,170                                | 47,109    | 144,442              | 254,011              | 109,399                               | 111,417                    |
| Woolen goods.....                          | 1925                | 503  | 67,056                                 | 62,436    | 219,616              | 361,534              | 141,906                               | 193,080                    |
|  | 1923                | 513  | 72,408                                 | 67,314    | 201,548              | 364,294              | 162,740                               | 180,467                    |
|  | 1921                | 463  | 56,434                                 | 62,863    | 120,276              | 230,946              | 110,609                               | .....                      |
|  | 1919                | 560  | 62,957                                 | 66,566    | 217,965              | 364,897              | 146,932                               | 172,191                    |
|  | 1914                | 501  | 49,166                                 | 24,204    | 63,696               | 103,816              | 40,120                                | 123,062                    |
| Worsted goods....                          | 1925                | 229  | 68,166                                 | 108,616   | 401,763              | 591,206              | 193,493                               | 377,215                    |
|  | 1923                | 338  | 122,144                                | 135,671   | 431,194              | 696,271              | 277,067                               | 357,606                    |
|  | 1921                | 321  | 108,990                                | 112,001   | 279,770              | 524,639              | 244,869                               | .....                      |
|  | 1919                | 292  | 103,830                                | 101,513   | 447,629              | 700,538              | 262,909                               | 354,024                    |
|  | 1914                | 266  | 100,527                                | 51,749    | 182,601              | 275,668              | 92,667                                | 242,521                    |
| Felt goods, wool or hair                   | 1925                | 50   | 5,146                                  | 6,404     | 26,354               | 43,776               | 17,422                                | 23,474                     |
|  | 1923                | 53   | 5,735                                  | 6,635     | 23,895               | 42,037               | 18,142                                | 20,522                     |
|  | 1914                | 63   | 4,035                                  | 2,089     | 8,308                | 12,695               | 5,285                                 | 14,016                     |
| Hats, wool-felt....                        | 1925                | 22   | 1,804                                  | 1,986     | 5,123                | 8,940                | 3,636                                 | 2,530                      |
|  | 1923                | 21   | 1,950                                  | 2,005     | 4,457                | 8,643                | 4,186                                 | 2,762                      |
|  | 1914                | 30   | 1,249                                  | 600       | 978                  | 1,945                | 967                                   | 3,091                      |
| Hats, fur-felt.....                        | 1925                | 146  | 15,156                                 | 20,466    | 40,124               | 80,000               | 39,943                                | 17,944                     |
|  | 1923                | 163  | 16,722                                 | 21,521    | 34,448               | 75,363               | 40,806                                | 18,689                     |
|  | 1914                | 224  | 21,318                                 | 12,071    | 16,947               | 37,350               | 20,408                                | 20,774                     |
| Carpets and rugs, wool,<br>other than rag. | 1925                | 69   | 33,896                                 | 43,382    | 104,196              | 188,909              | 94,707                                | 62,004                     |
|  | 1923                | 79   | 35,217                                 | 48,528    | 97,478               | 189,481              | 102,006                               | 58,852                     |
|  | 1914                | 97   | 31,300                                 | 14,716    | 42,290               | 69,128               | 38,849                                | 42,794                     |

For footnotes see p. 776.

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages                             | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|-----------------------------------|----------------------|----------------------|---------------------------------------|----------------------------|
|  |                     |  |  | Expressed in thousands of dollars |                      |                      |                                       |                            |
| TEXTILES, ETC.—Con.  |                     |  |  |                                   |                      |                      |                                       |                            |
| Wool shoddy.....   | 1925                | 68   | 2,218                                  | 2,609                             | 14,913               | 21,022               | 6,109                                 | 15,435                     |
|  | 1923                | 59   | 2,128                                  | 2,442                             | 10,627               | 16,697               | 6,070                                 | 12,496                     |
|  | 1914                | 64   | 2,145                                  | 1,056                             | 5,300                | 7,707                | 2,407                                 | 12,244                     |
| Wool pulling.....  | 1925                | 23   | 573                                    | 841                               | 13,637               | 15,209               | 1,572                                 | 2,706                      |
|  | 1923                | 27   | 696                                    | 866                               | 11,308               | 15,176               | 3,868                                 | 2,837                      |
|  | 1914                | 34   | 706                                    | 452                               | 6,632                | 8,273                | 1,641                                 | 2,248                      |
| Wool scouring.....   | 1925                | 25   | 1,112                                  | 1,601                             | 2,527                | 5,831                | 3,304                                 | 7,823                      |
|  | 1923                | 26   | 1,474                                  | 2,025                             | 4,529                | 8,190                | 3,661                                 | 6,976                      |
|  | 1914                | 24   | 1,059                                  | 617                               | 3,176                | 4,565                | 1,389                                 | 7,579                      |
| Cordage and twine.....   | 1925                | 118  | 15,400                                 | 14,018                            | 66,848               | 100,448              | 33,600                                | 77,563                     |
|  | 1923                | 121  | 16,382                                 | 15,146                            | 53,642               | 88,283               | 34,641                                | 72,371                     |
|  | 1914                | 105  | 15,769                                 | 6,996                             | 43,605               | 59,762               | 16,157                                | 55,272                     |
| Jute goods.....  | 1925                | 23   | 6,312                                  | 5,640                             | 14,567               | 27,518               | 12,951                                | 28,753                     |
|  | 1923                | 19   | 6,042                                  | 5,778                             | 12,348               | 25,421               | 13,073                                | 24,174                     |
|  | 1914                | 34   | 7,967                                  | 3,060                             | 12,580               | 16,514               | 3,934                                 | 28,533                     |
| Linen goods.....   | 1925                | 18   | 2,780                                  | 2,462                             | 6,395                | 11,157               | 4,762                                 | 12,119                     |
|  | 1923                | 18   | 2,880                                  | 2,897                             | 6,073                | 11,390               | 5,317                                 | 9,803                      |
|  | 1914                | 21   | 3,567                                  | 1,386                             | 4,289                | 6,900                | 2,671                                 | 9,932                      |
| Flax and hemp, dressed.....  | 1925                | 9  | 82                                     | 89                                | 244                  | 459                  | 215                                   | 1,457                      |
|  | 1923                | 9  | 62                                     | 49                                | 174                  | 281                  | 107                                   | 877                        |
|  | 1914                | 16   | 116                                    | 45                                | 185                  | 283                  | 98                                    | 832                        |
| Mats and matting,<br>grass and coir.....                             | 1925                | 10   | 902                                    | 767                               | 1,527                | 3,492                | 1,965                                 | 2,147                      |
|  | 1923                | 11   | 986                                    | 897                               | 1,510                | 3,800                | 2,380                                 | 1,980                      |
|  | 1914                | 12   | 869                                    | 455                               | 1,170                | 2,236                | 1,066                                 | 1,643                      |
| Haircloth.....   | 1925                | 15   | 355                                    | 387                               | 1,897                | 2,746                | 849                                   | 1,058                      |
|  | 1923                | 18   | 499                                    | 464                               | 2,512                | 3,734                | 1,222                                 | 1,333                      |
|  | 1914                | 19   | 595                                    | 290                               | 1,654                | 2,396                | 742                                   | 1,589                      |
| Dyeing and finishing<br>textiles.....                                | 1925                | 697  | 70,749                                 | 83,983                            | 244,700              | 432,537              | 187,837                               | 252,701                    |
|  | 1923                | 713  | 63,414                                 | 72,525                            | 199,156              | 366,623              | 167,467                               | 204,128                    |
|  | 1921                | 599  | 51,510                                 | 58,139                            | 141,199              | 276,751              | 135,552                               | -----                      |
|  | 1919                | 628  | 55,985                                 | 57,190                            | 174,743              | 323,968              | 149,225                               | 159,857                    |
|  | 1914                | 507  | 48,467                                 | 24,872                            | 56,705               | 109,292              | 52,587                                | 129,327                    |
| Cloth, sponging and<br>refinishing.....                              | 1925                | 61   | 931                                    | 1,889                             | 203                  | 3,889                | 3,686                                 | 975                        |
|  | 1923                | 65   | 1,225                                  | 2,210                             | 298                  | 4,652                | 4,354                                 | 911                        |
|  | 1914                | 51   | 901                                    | 658                               | 138                  | 1,531                | 1,398                                 | 677                        |
| Wearing apparel<br>made from pur-<br>chased fabrics,<br>total.....   | 1925                | 14,862                                     | 465,563                                | 533,924                           | 1,739,376            | 3,239,978            | 1,500,602                             | 119,158                    |
|  | 1923                | 16,904                                     | 499,413                                | 568,139                           | 1,852,229            | 3,443,940            | 1,591,711                             | 132,317                    |
|  | 1921                | 16,784                                     | 473,574                                | 534,312                           | 1,424,284            | 2,710,657            | 1,286,373                             | -----                      |
|  | 1919                | 18,778                                     | 507,700                                | 526,955                           | 1,745,931            | 3,198,147            | 1,452,216                             | 131,965                    |
|  | 1914                | 14,963                                     | 510,595                                | 250,114                           | 673,013              | 1,297,273            | 624,260                               | 117,911                    |
| Clothing, men's.....   | 1925                | 4,000                                      | 174,332                                | 203,847                           | 557,471              | 1,087,238            | 529,767                               | 44,749                     |
|  | 1923                | 4,607                                      | 194,820                                | 235,487                           | 584,804              | 1,178,715            | 593,911                               | 52,642                     |
|  | 1921                | 4,539                                      | 165,206                                | 201,882                           | 447,545              | 934,776              | 487,231                               | -----                      |
|  | 1919                | 5,258                                      | 175,270                                | 197,822                           | 605,752              | 1,162,986            | 557,234                               | 40,198                     |
|  | 1914                | 4,830                                      | 173,747                                | 86,828                            | 230,032              | 458,211              | 228,179                               | 35,252                     |
| Clothing, men's, but-<br>tonholes.....                               | 1925                | 30   | 327                                    | 347                               | 71                   | 658                  | 587                                   | 87                         |
|  | 1923                | 37   | 334                                    | 409                               | 103                  | 804                  | 701                                   | 106                        |
|  | 1914                | 139  | 672                                    | 326                               | 90                   | 638                  | 548                                   | 206                        |
| Shirts.....  | 1925                | 840  | 49,864                                 | 35,674                            | 129,754              | 225,963              | 96,209                                | 13,884                     |
|  | 1923                | 934  | 51,672                                 | 37,943                            | 139,354              | 241,331              | 101,977                               | 14,050                     |
|  | 1921                | 860  | 45,427                                 | 33,182                            | 123,259              | 203,944              | 80,685                                | -----                      |
|  | 1919                | 896  | 39,603                                 | 25,834                            | 127,068              | 205,327              | 78,239                                | 14,890                     |
|  | 1914                | 792  | 51,972                                 | 19,170                            | 50,665               | 95,815               | 45,180                                | 17,117                     |
| Furnishing goods,<br>men's not elsewhere<br>classified. <sup>6</sup> | 1925                | 419  | 21,094                                 | 17,438                            | 69,861               | 120,868              | 51,007                                | 4,977                      |
|  | 1923                | 454  | 18,968                                 | 14,810                            | 57,237               | 102,962              | 46,716                                | 6,470                      |
|  | 1914                | 551  | 22,459                                 | 8,416                             | 31,583               | 52,453               | 20,890                                | 5,840                      |

For footnotes see p. 776.

TABLE 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Calendar year | Number of establishments | Wage earners (average number) | Wages   | Cost of materials | Value of products | Value added by manufacture | Primary horsepower |
|--|---------------|--------------------------|-------------------------------|---------|-------------------|-------------------|----------------------------|--------------------|
|  |               |                          |                               |         |                   |                   |                            |                    |
| TEXTILES, ETC.—Gen.  |               |                          |                               |         |                   |                   |                            |                    |
| Clothing, men's.....   | 1925          | 36                       | 7,187                         | 4,538   | 11,753            | 27,253            | 15,706                     | 4,487              |
|  | 1923          | 37                       | 10,449                        | 7,930   | 13,570            | 43,006            | 24,236                     | 4,899              |
|  | 1914          | 36                       | 10,100                        | 4,494   | 8,308             | 18,381            | 11,955                     | 3,339              |
| Gloves and mittens, cloth, not made in textile mills. <sup>1</sup>                         | 1925          | 122                      | 1,238                         | 4,619   | 15,735            | 25,000            | 9,026                      | 3,316              |
|  | 1923          | 129                      | 3,094                         | 5,283   | 15,303            | 20,136            | 8,094                      | 3,143              |
| Suspenders, garters, and elastic woven goods, made from purchased webbing. <sup>2</sup>    | 1925          | 95                       | 2,054                         | 2,673   | 14,400            | 27,304            | 11,004                     | 379                |
|  | 1923          | 100                      | 2,428                         | 2,802   | 13,994            | 24,267            | 10,338                     | 329                |
| Hats and caps, except felt and straw.  | 1925          | 579                      | 6,532                         | 3,243   | 23,000            | 43,933            | 21,124                     | 1,093              |
|  | 1923          | 651                      | 7,313                         | 3,894   | 21,200            | 43,312            | 20,589                     | 1,782              |
|  | 1914          | 580                      | 7,222                         | 4,303   | 9,266             | 18,599            | 9,325                      | 1,313              |
| Clothing, women's.....   | 1925          | 4,127                    | 120,405                       | 175,045 | 724,200           | 1,293,705         | 559,409                    | 24,249             |
|  | 1923          | 7,046                    | 123,195                       | 173,446 | 803,861           | 1,406,694         | 397,123                    | 27,794             |
|  | 1921          | 7,061                    | 144,965                       | 185,063 | 567,610           | 1,022,743         | 454,933                    | —                  |
|  | 1919          | 7,711                    | 165,649                       | 196,206 | 680,407           | 1,208,643         | 538,136                    | 32,431             |
|  | 1914          | 5,364                    | 168,907                       | 92,574  | 203,245           | 473,899           | 221,643                    | 27,534             |
| Accessories.....   | 1925          | 185                      | 14,826                        | 12,394  | 37,908            | 77,115            | 34,307                     | 3,394              |
|  | 1923          | 216                      | 15,104                        | 12,269  | 38,416            | 78,066            | 39,033                     | 3,994              |
|  | 1914          | 167                      | 20,406                        | 7,977   | 19,857            | 40,351            | 20,894                     | 4,933              |
| Millinery and lace goods, not elsewhere classified.  | 1925          | 2,443                    | 53,608                        | 66,851  | 163,335           | 309,236           | 156,471                    | 11,986             |
|  | 1923          | 2,026                    | 54,246                        | 64,044  | 149,908           | 297,505           | 147,887                    | 14,031             |
|  | 1921          | 2,777                    | 52,701                        | 60,401  | 131,207           | 268,714           | 137,507                    | —                  |
|  | 1919          | 3,005                    | 50,859                        | 49,849  | 132,929           | 255,725           | 122,798                    | 12,419             |
|  | 1914          | 2,079                    | 45,374                        | 21,545  | 57,676            | 114,160           | 56,494                     | 12,036             |
| Other articles made from purchased fabrics, total.   | 1925          | 2,101                    | 51,349                        | 53,827  | 374,040           | 540,253           | 165,623                    | 118,003            |
|  | 1923          | 2,047                    | 51,310                        | 52,961  | 329,147           | 491,137           | 161,960                    | 94,747             |
|  | 1921          | 1,935                    | 42,658                        | 41,706  | 249,185           | 349,609           | 109,444                    | —                  |
|  | 1919          | 2,536                    | 50,040                        | 44,180  | 375,090           | 531,159           | 156,060                    | 92,006             |
|  | 1914          | 2,469                    | 44,722                        | 21,182  | 155,905           | 212,864           | 56,869                     | 76,506             |
| Awnings, tents, sails, and canvas covers.  | 1925          | 905                      | 6,249                         | 7,301   | 27,453            | 48,669            | 21,116                     | 4,564              |
|  | 1923          | 814                      | 5,968                         | 6,923   | 25,229            | 45,276            | 20,047                     | 4,729              |
|  | 1914          | 888                      | 5,073                         | 2,954   | 10,155            | 18,128            | 7,983                      | 2,022              |
| Bags, other than paper, not made in textile mills.   | 1925          | 162                      | 11,404                        | 9,322   | 150,103           | 175,082           | 24,979                     | 15,295             |
|  | 1923          | 169                      | 11,548                        | 9,261   | 128,222           | 131,676           | 23,454                     | 13,832             |
|  | 1914          | 136                      | 9,368                         | 3,789   | 67,022            | 79,049            | 12,087                     | 10,351             |
| Belting and hose, other than leather and rubber, made from purchased fabrics. <sup>3</sup> | 1925          | 11                       | 234                           | 294     | 1,596             | 3,111             | 1,516                      | 914                |
|  | 1923          | 13                       | 235                           | 361     | 1,674             | 3,212             | 1,636                      | 930                |
| Horse blankets, fly nets, and related products. <sup>4</sup>                               | 1925          | 20                       | 694                           | 364     | 2,535             | 3,997             | 1,362                      | 1,773              |
|  | 1923          | 22                       | 841                           | 610     | 2,774             | 5,137             | 2,363                      | 2,900              |
|  | 1914          | 27                       | 1,669                         | 608     | 3,669             | 5,150             | 1,531                      | 1,903              |
| Flags and banners.   | 1925          | 49                       | 1,021                         | 600     | 2,332             | 4,688             | 2,266                      | 629                |
|  | 1923          | 52                       | 878                           | 788     | 2,024             | 3,807             | 1,783                      | 748                |
|  | 1914          | 87                       | 1,496                         | 690     | 1,750             | 3,601             | 1,851                      | 637                |
| Regalia, badges, and emblems.  | 1925          | 85                       | 1,902                         | 2,083   | 3,902             | 9,623             | 5,661                      | 1,068              |
|  | 1923          | 84                       | 2,146                         | 2,080   | 4,243             | 10,586            | 6,343                      | 1,160              |
|  | 1914          | 128                      | 2,010                         | 980     | 2,205             | 5,025             | 2,820                      | 655                |
| Hat and cap materials.   | 1925          | 89                       | 2,127                         | 2,413   | 15,218            | 22,049            | 5,831                      | 5,141              |
|  | 1923          | 104                      | 2,304                         | 2,411   | 13,863            | 20,508            | 5,645                      | 4,749              |
|  | 1914          | 96                       | 1,775                         | 804     | 5,062             | 6,929             | 1,877                      | 2,946              |
| Hammocks.....  | 1925          | 4                        | 121                           | 96      | 368               | 574               | 206                        | 200                |
|  | 1923          | 4                        | 68                            | 52      | 207               | 351               | 144                        | 103                |
|  | 1914          | 14                       | 265                           | 119     | 261               | 571               | 310                        | 291                |
| Nets and seines  | 1925          | 21                       | 685                           | 762     | 3,479             | 5,157             | 1,678                      | 1,190              |
|  | 1923          | 17                       | 682                           | 749     | 3,157             | 4,638             | 1,471                      | 1,092              |
|  | 1914          | 15                       | 1,065                         | 379     | 2,257             | 3,068             | 821                        | 1,984              |

For footnotes see p. 776.



## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages   | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|---------|----------------------|----------------------|---------------------------------------|----------------------------|
|  |                     |  |  |         |                      |                      |                                       |                            |
| TEXTILES, ETC.—Con.  |                     |  |  |         |                      |                      |                                       |                            |
| House-furnishing goods,<br>not elsewhere classi-<br>fied.                        | 1925                | 433  | 9,307                                  | 9,143   | 51,079               | 78,655               | 27,576                                | 10,702                     |
|  | 1923                | 452  | 8,708                                  | 8,454   | 44,667               | 69,333               | 24,666                                | 9,966                      |
|  | 1914                | 370  | 6,935                                  | 3,306   | 17,391               | 26,453               | 9,062                                 | 11,276                     |
| Carpets and rugs, rag---   | 1925                | 139  | 1,901                                  | 1,876   | 1,943                | 5,710                | 3,767                                 | 2,349                      |
|  | 1923                | 151  | 2,042                                  | 1,857   | 2,095                | 6,097                | 4,002                                 | 2,587                      |
|  | 1914                | 463  | 2,130                                  | 995     | 722                  | 2,786                | 2,064                                 | 2,656                      |
| Linoleum '-----  | 1925                | 6  | 4,872                                  | 6,393   | 19,967               | 45,000               | 25,033                                | 31,840                     |
|  | 1923                | 7  | 6,261                                  | 8,376   | 27,277               | 52,527               | 25,250                                | 23,206                     |
|  | 1914                | 18   | 4,428                                  | 2,604   | 11,252               | 17,602               | 6,350                                 | 18,782                     |
| Oilcloth-----  | 1925                | 9  | 1,160                                  | 1,675   | 13,549               | 17,843               | 4,294                                 | 3,484                      |
|  | 1923                | 9  | 1,203                                  | 1,781   | 12,165               | 17,719               | 5,554                                 | 2,886                      |
|  | 1914                | 13   | 1,223                                  | 609     | 6,524                | 7,996                | 1,472                                 | 3,490                      |
| Artificial leather-----  | 1925                | 18   | 2,659                                  | 3,801   | 31,238               | 40,932               | 9,694                                 | 10,593                     |
|  | 1923                | 17   | 2,462                                  | 3,235   | 22,624               | 33,558               | 10,934                                | 8,359                      |
|  | 1914                | 10   | 795                                    | 485     | 4,108                | 6,097                | 1,989                                 | 1,674                      |
| Asphalted-felt-base<br>floor coverings. <sup>1</sup>                             | 1925                | 11   | 2,464                                  | 3,338   | 14,930               | 32,532               | 17,602                                | 9,575                      |
|  | 1923                | 9  | 1,682                                  | 2,204   | 9,140                | 25,280               | 16,140                                | 2,700                      |
|  | 1921                | 10   | 816                                    | 982     | 3,717                | 10,147               | 6,430                                 | -----                      |
| Upholstering materials,<br>not elsewhere classi-<br>fied.                        | 1925                | 34   | 1,196                                  | 1,174   | 5,123                | 7,998                | 2,875                                 | 3,380                      |
|  | 1923                | 35   | 1,248                                  | 1,280   | 4,538                | 7,641                | 3,103                                 | 2,442                      |
|  | 1914                | 70   | 2,454                                  | 1,101   | 5,285                | 7,879                | 2,594                                 | 6,198                      |
| Waste <sup>2</sup> -----   | 1925                | 105  | 3,033                                  | 2,570   | 29,766               | 38,943               | 9,177                                 | 15,396                     |
|  | 1923                | 88   | 2,745                                  | 2,468   | 25,248               | 33,701               | 8,453                                 | 12,347                     |
|  | 1914                | 79   | 3,082                                  | 1,239   | 15,473               | 17,969               | 2,486                                 | 8,506                      |
| IRON AND STEEL<br>AND PRODUCTS,<br>EXCEPT MACHIN-<br>ERY                         |                     |  |  |         |                      |                      |                                       |                            |
| Crude iron and<br>steel and rolled<br>products, total.                           | 1925                | 595  | 399,914                                | 600,297 | 2,429,378            | 3,711,354            | 1,281,976                             | 6,143,927                  |
|  | 1923                | 658  | 424,913                                | 696,760 | 2,872,028            | 4,161,938            | 1,289,910                             | 5,999,941                  |
|  | 1921                | 628  | 254,213                                | 354,357 | 1,366,175            | 1,901,430            | 535,255                               | -----                      |
|  | 1919                | 695  | 416,748                                | 711,406 | 2,301,862            | 3,623,369            | 1,321,507                             | 5,399,574                  |
|  | 1914                | 587  | 278,072                                | 210,923 | 855,406              | 1,236,319            | 380,913                               | 3,925,869                  |
| Iron and steel: Blast<br>furnaces.   | 1925                | 122  | 29,188                                 | 45,312  | 617,417              | 765,286              | 147,869                               | 1,380,394                  |
|  | 1923                | 169  | 36,712                                 | 58,936  | 827,630              | 1,007,613            | 179,983                               | 1,686,419                  |
|  | 1921                | 134  | 18,698                                 | 29,370  | 361,050              | 419,771              | 58,721                                | -----                      |
|  | 1919                | 195  | 41,660                                 | 73,769  | 621,286              | 794,467              | 173,181                               | 1,581,407                  |
|  | 1914                | 160  | 29,356                                 | 22,781  | 264,580              | 317,654              | 53,074                                | 1,222,273                  |
| Iron and steel: Steel<br>works and rolling<br>mills.                             | 1925                | 473  | 370,726                                | 614,985 | 1,811,961            | 2,946,068            | 1,134,107                             | 4,763,533                  |
|  | 1923                | 489  | 388,201                                | 637,825 | 2,044,398            | 3,154,325            | 1,109,927                             | 4,313,522                  |
|  | 1921                | 494  | 235,515                                | 324,987 | 1,005,125            | 1,481,659            | 476,534                               | -----                      |
|  | 1919                | 500  | 375,088                                | 637,637 | 1,680,576            | 2,828,902            | 1,148,326                             | 3,818,167                  |
|  | 1914                | 427  | 248,716                                | 188,142 | 590,826              | 918,665              | 327,839                               | 2,703,596                  |
| Other iron and<br>steel products,<br>total.                                      | 1925                | 5,473                                      | 451,356                                | 624,042 | 1,304,972            | 2,750,314            | 1,445,342                             | 1,375,072                  |
|  | 1923                | 5,700                                      | 467,747                                | 627,827 | 1,280,890            | 2,666,903            | 1,386,013                             | 1,259,334                  |
|  | 1921                | 5,627                                      | 317,585                                | 376,829 | 774,169              | 1,554,960            | 780,791                               | -----                      |
|  | 1919                | 6,926                                      | 441,823                                | 532,999 | 1,121,816            | 2,266,154            | 1,144,338                             | 1,030,428                  |
|  | 1914                | 5,744                                      | 340,277                                | 211,065 | 460,404              | 901,309              | 440,905                               | 661,947                    |
| Bolts, nuts, washers,<br>and rivets, not made<br>in rolling mills. <sup>10</sup> | 1925                | 127  | 13,907                                 | 17,942  | 38,507               | 75,926               | 37,419                                | 54,767                     |
|  | 1923                | 126  | 15,962                                 | 20,207  | 41,874               | 84,431               | 42,557                                | 48,036                     |
|  | 1914                | 102  | 10,658                                 | 5,961   | 12,913               | 23,403               | 10,490                                | 28,885                     |
| Cast-iron pipe-----  | 1925                | 77   | 23,033                                 | 27,438  | 48,847               | 100,388              | 51,541                                | 54,820                     |
|  | 1923                | 73   | 21,576                                 | 25,020  | 48,804               | 92,674               | 43,870                                | 47,239                     |
|  | 1914                | 59   | 12,557                                 | 7,076   | 16,930               | 26,659               | 9,729                                 | 25,864                     |
| Doors, shutters, and<br>window sash and<br>frames.                               | 1925                | 92   | 6,791                                  | 12,899  | 21,628               | 50,078               | 28,450                                | 16,699                     |
|  | 1923                | 37   | 2,429                                  | 4,333   | 5,604                | 15,267               | 9,763                                 | 3,981                      |
|  | 1914                | 43   | 1,985                                  | 1,538   | 1,996                | 5,184                | 3,188                                 | 3,170                      |

For footnotes see p. 776.

## No. 757. MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry  | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages  | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|---|---------------------|--|--|--------|----------------------|----------------------|---------------------------------------|----------------------------|
| Expressed in thousands of dollars   |                     |  |  |        |                      |                      |                                       |                            |
| <b>IRON AND STEEL,<br/>ETC.—Continued</b>   |                     |  |  |        |                      |                      |                                       |                            |
| Forgings, not made in<br>steel works or rolling<br>mills. <sup>10</sup>                                   | 1925                | 216  | 20,200                                 | 31,313 | 88,081               | 134,511              | 65,430                                | 120,014                    |
|   | 1923                | 234  | 27,468                                 | 40,207 | 92,803               | 179,011              | 84,184                                | 126,022                    |
|   | 1914                | 191  | 10,089                                 | 7,487  | 14,511               | 28,961               | 14,320                                | 36,543                     |
| Horseshoes, not made<br>in rolling mills. <sup>10</sup>   | 1925                | 9  | 193                                    | 273    | 406                  | 1,408                | 912                                   | 1,042                      |
|   | 1923                | 10   | 255                                    | 323    | 737                  | 1,814                | 1,077                                 | 1,341                      |
|   | 1914                | 22   | 886                                    | 362    | 690                  | 1,786                | 1,006                                 | 1,364                      |
| Nails, spikes, etc., not<br>made in rolling<br>mills. <sup>10</sup>                                       | 1925                | 58   | 2,227                                  | 2,610  | 3,645                | 12,318               | 6,672                                 | 3,102                      |
|   | 1923                | 61   | 2,849                                  | 3,235  | 7,005                | 13,300               | 6,205                                 | 10,275                     |
|   | 1914                | 64   | 2,644                                  | 1,508  | 3,504                | 7,100                | 2,605                                 | 6,135                      |
| Springs, steel Railway,<br>vehicle, heavy ma-<br>chine, etc., not made<br>in rolling mills. <sup>10</sup> | 1925                | 95   | 3,897                                  | 3,089  | 23,609               | 44,469               | 20,860                                | 23,492                     |
|   | 1923                | 114  | 8,694                                  | 12,782 | 31,743               | 59,392               | 27,644                                | 25,868                     |
|   | 1914                | 84   | 3,702                                  | 2,802  | 6,143                | 11,595               | 5,462                                 | 3,025                      |
| Steel barrels, kegs,<br>and drums. <sup>10, 11</sup>  | 1925                | 33   | 2,021                                  | 2,914  | 12,743               | 19,928               | 7,185                                 | 7,739                      |
|   | 1923                | 39   | 2,668                                  | 3,363  | 14,818               | 23,249               | 8,431                                 | 7,907                      |
|   | 1921                | 31   | 2,013                                  | 2,323  | 9,267                | 14,525               | 5,268                                 | —                          |
|   | 1919                | 33   | 3,322                                  | 4,435  | 13,151               | 24,943               | 9,792                                 | 10,354                     |
| Structural and orna-<br>mental iron work,<br>not made in rolling<br>mills. <sup>10</sup>                  | 1925                | 1,136                                      | 48,341                                 | 77,411 | 237,653              | 420,995              | 183,345                               | 211,732                    |
|   | 1923                | 1,086                                      | 51,591                                 | 80,833 | 225,487              | 406,117              | 180,630                               | 205,518                    |
|   | 1921                | 1,021                                      | 32,997                                 | 47,456 | 151,011              | 250,086              | 99,073                                | —                          |
|   | 1919                | 1,146                                      | 43,962                                 | 59,920 | 168,400              | 294,962              | 126,162                               | 165,179                    |
|   | 1914                | 1,235                                      | 47,167                                 | 53,429 | 87,622               | 150,378              | 71,766                                | 109,068                    |
| Iron and steel, proc-<br>essed. <sup>10, 11, 12</sup>   | 1925                | 26   | 366                                    | 557    | 643                  | 2,114                | 1,471                                 | 1,570                      |
|   | 1923                | 265  | 1,376                                  | 2,406  | 2,925                | 9,112                | 6,187                                 | 6,209                      |
|   | 1921                | 320  | 1,210                                  | 1,922  | 1,900                | 6,202                | 4,302                                 | —                          |
|   | 1919                | 320  | 1,835                                  | 2,743  | 3,576                | 10,996               | 7,420                                 | 8,795                      |
| Wrought pipe, not<br>made in rolling<br>mills. <sup>10</sup>  | 1925                | 42   | 10,871                                 | 17,157 | 59,142               | 94,695               | 35,553                                | 41,206                     |
|   | 1923                | 53   | 10,633                                 | 17,705 | 57,955               | 90,823               | 32,857                                | 40,912                     |
|   | 1914                | 36   | 8,845                                  | 5,760  | 26,296               | 37,655               | 11,359                                | 17,532                     |
| Firearms  | 1925                | 30   | 4,470                                  | 3,584  | 3,174                | 13,179               | 12,005                                | 14,580                     |
|   | 1923                | 21   | 6,204                                  | 7,503  | 3,644                | 17,665               | 14,021                                | 15,439                     |
|   | 1914                | 29   | 7,064                                  | 5,067  | 2,670                | 10,544               | 7,874                                 | 7,374                      |
| Galvanizing and other<br>coating, not done in<br>rolling mills  | 1925                | 54   | 604                                    | 1,128  | 2,892                | 5,933                | 3,041                                 | 1,661                      |
|   | 1923                | 51   | 877                                    | 1,184  | 3,363                | 6,327                | 2,984                                 | 1,456                      |
|   | 1914                | 48   | 1,580                                  | 922    | 5,293                | 8,480                | 2,187                                 | 2,355                      |
| Hardware, not else-<br>where classified.  | 1925                | 476  | 52,349                                 | 65,362 | 77,503               | 225,063              | 147,550                               | 98,275                     |
|   | 1923                | 473  | 52,203                                 | 63,471 | 60,598               | 215,960              | 125,362                               | 84,008                     |
|   | 1921                | 456  | 35,238                                 | 36,240 | 41,520               | 120,600              | 79,060                                | —                          |
|   | 1919                | 555  | 46,180                                 | 49,274 | 62,816               | 168,663              | 105,846                               | 74,240                     |
|   | 1914                | 597  | 43,724                                 | 23,831 | 30,861               | 77,360               | 46,499                                | 36,839                     |
| Pans, steel and brass.  | 1925                | 5  | 487                                    | 496    | 263                  | 1,446                | 1,161                                 | 273                        |
|   | 1923                | 5  | 475                                    | 415    | 177                  | 1,171                | 994                                   | 266                        |
|   | 1914                | 5  | 573                                    | 263    | 117                  | 514                  | 397                                   | 244                        |
| Plumbers' supplies, not<br>including pipe or<br>marble, slate, and por-<br>celain sanitary ware           | 1925                | 239  | 33,290                                 | 46,964 | 63,610               | 167,378              | 104,298                               | 84,534                     |
|   | 1923                | 234  | 27,201                                 | 38,047 | 51,469               | 132,665              | 81,196                                | 59,973                     |
|   | 1914                | 200  | 18,479                                 | 11,703 | 18,670               | 43,386               | 24,716                                | 26,112                     |
| Safes and vaults.....   | 1925                | 35   | 3,865                                  | 5,398  | 8,206                | 23,044               | 14,778                                | 10,064                     |
|   | 1923                | 34   | 3,476                                  | 4,694  | 7,066                | 19,101               | 12,015                                | 7,690                      |
|   | 1914                | 39   | 2,972                                  | 1,860  | 2,646                | 7,257                | 4,611                                 | 4,466                      |
| Screw machine prod-<br>ucts.  | 1925                | 193  | 3,967                                  | 12,659 | 18,788               | 43,779               | 24,991                                | 30,514                     |
|   | 1923                | 190  | 9,120                                  | 11,919 | 15,796               | 39,239               | 23,443                                | 25,654                     |
|   | 1914                | 66   | 3,643                                  | 2,310  | 3,068                | 7,248                | 4,190                                 | 7,648                      |
| Screws, wood  | 1925                | 12   | 5,064                                  | 5,525  | 6,288                | 13,836               | 9,548                                 | 11,978                     |
|   | 1923                | 10   | 4,106                                  | 5,024  | 5,769                | 12,707               | 7,088                                 | 8,589                      |
|   | 1914                | 12   | 4,446                                  | 1,951  | 2,350                | 6,217                | 3,667                                 | 3,044                      |

For foot notes see p. 776.

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages                             | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|-----------------------------------|----------------------|----------------------|---------------------------------------|----------------------------|
|  |                     |  |  | Expressed in thousands of dollars |                      |                      |                                       |                            |
| IRON AND STEEL,<br>ETC.—Continued  |                     |  |  |                                   |                      |                      |                                       |                            |
| Steam fittings and<br>steam and hot-water<br>heating apparatus.  | 1925                | 225  | 43,260                                 | 63,979                            | 77,357               | 228,930              | 151,573                               | 109,313                    |
|  | 1923                | 236  | 44,141                                 | 64,807                            | 83,297               | 221,954              | 138,657                               | 91,085                     |
|  | 1921                | 274  | 30,808                                 | 39,596                            | 50,213               | 127,367              | 77,154                                | -----                      |
|  | 1919                | 261  | 36,686                                 | 45,743                            | 72,016               | 160,285              | 88,269                                | 67,494                     |
|  | 1914                | 295  | 26,388                                 | 16,738                            | 26,921               | 63,922               | 37,001                                | 38,362                     |
| Stoves (other than gas,<br>oil, or electric), hot-<br>air furnaces, and fire-<br>less cookers.           | 1925                | 323  | 29,376                                 | 41,493                            | 47,249               | 140,805              | 93,556                                | 63,545                     |
|  | 1923                | 345  | 33,029                                 | 45,864                            | 53,397               | 155,801              | 102,404                               | 65,366                     |
|  | 1914                | 438  | 29,535                                 | 20,777                            | 23,802               | 67,941               | 44,139                                | 41,118                     |
| Stoves and appliances,<br>gas and oil.   | 1925                | 241  | 17,138                                 | 24,806                            | 48,624               | 123,498              | 74,874                                | 30,581                     |
|  | 1923                | 243  | 16,783                                 | 22,467                            | 49,171               | 112,461              | 63,290                                | 22,298                     |
|  | 1914                | 113  | 7,790                                  | 5,088                             | 10,153               | 21,449               | 11,296                                | 7,937                      |
| Tinware, not elsewhere<br>classified. <sup>13</sup>  | 1925                | 221  | 29,901                                 | 34,392                            | 175,779              | 260,360              | 84,581                                | 48,728                     |
|  | 1923                | 241  | 30,511                                 | 32,816                            | 135,980              | 215,971              | 79,991                                | 41,252                     |
|  | 1921                | 244  | 22,711                                 | 24,595                            | 108,748              | 168,305              | 59,557                                | -----                      |
|  | 1919                | 301  | 34,386                                 | 34,493                            | 165,171              | 233,964              | 68,793                                | 30,234                     |
|  | 1914                | 294  | 22,584                                 | 12,217                            | 53,841               | 81,931               | 28,090                                | 17,863                     |
| Tools and cutlery:<br>Cutlery (not includ-<br>ing silver and<br>plated cutlery) and<br>edge tools.       | 1925                | 211  | 16,407                                 | 20,226                            | 20,562               | 80,263               | 59,701                                | 51,673                     |
|  | 1923                | 211  | 16,671                                 | 19,751                            | 17,160               | 72,477               | 55,317                                | 43,171                     |
|  | 1914                | 252  | 16,561                                 | 9,076                             | 8,186                | 25,541               | 17,355                                | 34,665                     |
| Files.....   | 1925                | 38   | 4,209                                  | 5,393                             | 3,518                | 13,541               | 10,023                                | 11,534                     |
|  | 1923                | 37   | 4,590                                  | 5,805                             | 3,840                | 13,566               | 9,726                                 | 11,155                     |
|  | 1914                | 48   | 4,349                                  | 2,135                             | 1,595                | 5,608                | 4,013                                 | 8,771                      |
| Saws.....  | 1925                | 71   | 4,710                                  | 5,873                             | 8,224                | 26,781               | 18,557                                | 14,287                     |
|  | 1923                | 80   | 5,420                                  | 6,730                             | 9,740                | 30,787               | 21,047                                | 13,298                     |
|  | 1914                | 100  | 4,560                                  | 3,020                             | 4,714                | 12,517               | 7,803                                 | 11,744                     |
| Other tools, not in-<br>cluding machine<br>tools.  | 1925                | 663  | 25,340                                 | 34,294                            | 39,023               | 121,263              | 82,240                                | 78,686                     |
|  | 1923                | 700  | 29,100                                 | 37,169                            | 43,206               | 123,158              | 79,952                                | 75,248                     |
|  | 1914                | 661  | 16,866                                 | 10,217                            | 12,235               | 33,893               | 21,658                                | 37,248                     |
| Vault, sidewalk, and<br>floor lights, coal-hole<br>covers, and ventilat-<br>ing equipment. <sup>14</sup> | 1923                | 24   | 296                                    | 446                               | 1,213                | 2,991                | 1,778                                 | 254                        |
|  | 1914                | 45   | 601                                    | 457                               | 959                  | 2,051                | 1,092                                 | 486                        |
| Wire, drawn from pur-<br>chased bars or rods<br>(excludes steel works<br>and rolling mills).             | 1925                | 68   | 18,544                                 | 26,928                            | 127,251              | 184,463              | 57,212                                | 138,115                    |
|  | 1923                | 64   | 21,310                                 | 29,862                            | 133,883              | 196,364              | 62,481                                | 123,923                    |
|  | 1914                | 54   | 17,600                                 | 11,021                            | 56,424               | 81,841               | 25,417                                | 83,900                     |
| Wirework, not else-<br>where classified.   | 1925                | 462  | 19,268                                 | 23,835                            | 59,604               | 115,429              | 55,825                                | 35,943                     |
|  | 1923                | 443  | 16,783                                 | 19,340                            | 52,280               | 100,248              | 47,968                                | 31,617                     |
|  | 1914                | 552  | 12,126                                 | 6,719                             | 24,114               | 41,789               | 17,675                                | 12,405                     |
| LUMBER AND AL-<br>LIED PRODUCTS  |                     |  |  |                                   |                      |                      |                                       |                            |
| Lumber and timber<br>products, not else-<br>where classified.  | 1925                | 9,207                                      | 473,998                                | 456,715                           | 579,475              | 1,421,162            | 841,687                               | 2,049,500                  |
|  | 1923                | 9,393                                      | 495,932                                | 475,962                           | 573,064              | 1,494,462            | 921,398                               | 1,932,091                  |
|  | 1921                | 9,092                                      | 364,247                                | 313,487                           | 377,927              | 902,501              | 524,574                               | -----                      |
|  | 1919                | 26,119                                     | 480,945                                | 489,419                           | 470,960              | 1,387,471            | 916,511                               | 2,355,345                  |
|  | 1914                | 27,229                                     | 479,786                                | 239,977                           | 281,952              | 715,310              | 433,358                               | 2,190,359                  |
| Lumber: Planing-mill<br>products, not made<br>in planing mills con-<br>nected with saw-<br>mills.        | 1925                | 4,761                                      | 111,329                                | 146,592                           | 403,227              | 710,861              | 307,634                               | 597,108                    |
|  | 1923                | 4,215                                      | 103,008                                | 133,329                           | 401,174              | 692,784              | 291,610                               | 493,424                    |
|  | 1921                | 4,366                                      | 78,033                                 | 95,954                            | 272,082              | 462,649              | 190,567                               | -----                      |
|  | 1919                | 5,309                                      | 86,956                                 | 91,977                            | 299,266              | 500,438              | 201,172                               | 417,070                    |
|  | 1914                | 5,841                                      | 96,214                                 | 61,949                            | 184,227              | 307,672              | 123,445                               | 410,259                    |
| Excelsior.....   | 1925                | 72   | 1,300                                  | 1,180                             | 2,573                | 4,901                | 2,328                                 | 11,993                     |
|  | 1923                | 75   | 1,285                                  | 1,206                             | 2,766                | 5,362                | 2,596                                 | 10,939                     |
|  | 1914                | 99   | 1,177                                  | 558                               | 1,403                | 2,516                | 1,113                                 | 10,715                     |
| Window and door<br>screens and weather<br>strips.  | 1925                | 183  | 3,803                                  | 4,687                             | 9,545                | 22,398               | 12,853                                | 10,674                     |
|  | 1923                | 165  | 3,687                                  | 4,197                             | 9,566                | 21,256               | 11,690                                | 9,515                      |
|  | 1914                | 220  | 3,194                                  | 1,894                             | 4,261                | 9,167                | 4,906                                 | 8,128                      |

For footnotes see p. 776.

No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages   | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|---------|----------------------|----------------------|---------------------------------------|----------------------------|
|  |                     |  |  |         |                      |                      |                                       |                            |
| LUMBER, ETC.—Con.  |                     |  |  |         |                      |                      |                                       |                            |
| Barns, wooden, except<br>cigar barns.                                | 1925                | 524  | 34,534                                 | 23,766  | 86,391               | 163,288              | 65,904                                | 142,519                    |
|  | 1923                | 504  | 29,184                                 | 20,664  | 84,030               | 152,835              | 62,778                                | 140,439                    |
|  | 1914                | 1,174                                      | 23,949                                 | 18,305  | 63,940               | 90,657               | 23,727                                | 124,369                    |
| Barns, cigar, wooden.  | 1925                | 128  | 4,896                                  | 3,997   | 5,490                | 12,925               | 7,475                                 | 6,390                      |
|  | 1923                | 179  | 8,161                                  | 4,171   | 6,398                | 14,796               | 8,147                                 | 6,664                      |
|  | 1914                | 293  | 4,525                                  | 2,399   | 4,399                | 5,337                | 4,068                                 | 5,351                      |
| Coopage.   | 1925                | 645  | 11,498                                 | 12,995  | 44,176               | 67,735               | 29,869                                | 29,736                     |
|  | 1923                | 626  | 12,625                                 | 12,139  | 43,336               | 73,134               | 24,775                                | 29,519                     |
|  | 1914                | 1,293                                      | 17,128                                 | 9,161   | 23,944               | 50,617               | 17,673                                | 29,177                     |
| Wooden goods, not else-<br>where classified.                         | 1925                | 300  | 4,496                                  | 4,672   | 9,690                | 20,236               | 11,178                                | 29,446                     |
|  | 1923                | 199  | 3,727                                  | 5,134   | 18,362               | 31,734               | 11,463                                | 29,428                     |
|  | 1914                | 274  | 6,418                                  | 2,767   | 4,962                | 10,149               | 6,250                                 | 29,262                     |
| Wood, turned and<br>carved.  | 1925                | 691  | 10,362                                 | 16,180  | 15,876               | 25,491               | 19,918                                | 44,694                     |
|  | 1923                | 619  | 11,336                                 | 10,636  | 17,053               | 26,077               | 21,032                                | 43,395                     |
|  | 1914                | 628  | 11,615                                 | 5,645   | 9,166                | 19,047               | 9,652                                 | 42,541                     |
| Leads and related prod-<br>ucts.                                     | 1925                | 62   | 2,666                                  | 2,612   | 2,069                | 6,201                | 4,262                                 | 7,612                      |
|  | 1923                | 64   | 2,396                                  | 2,129   | 2,197                | 5,990                | 4,798                                 | 6,966                      |
|  | 1914                | 66   | 2,094                                  | 1,311   | 1,343                | 4,859                | 2,249                                 | 5,287                      |
| Furniture.   | 1925                | 2,235                                      | 180,866                                | 226,200 | 264,508              | 396,146              | 462,638                               | 408,519                    |
|  | 1923                | 2,043                                      | 168,089                                | 204,513 | 242,390              | 376,496              | 434,350                               | 344,861                    |
|  | 1921                | 2,022                                      | 124,211                                | 144,110 | 253,645              | 350,164              | 396,619                               |                            |
|  | 1919                | 2,272                                      | 140,196                                | 142,112 | 265,556              | 379,651              | 314,895                               | 262,664                    |
|  | 1914                | 2,294                                      | 120,128                                | 72,262  | 122,735              | 270,939              | 147,204                               | 260,661                    |
| Refrigerators.   | 1925                | 167  | 9,300                                  | 12,589  | 24,744               | 57,666               | 22,923                                | 22,297                     |
|  | 1923                | 182  | 8,435                                  | 10,733  | 21,696               | 50,076               | 28,381                                | 17,136                     |
|  | 1914                | 134  | 5,617                                  | 3,572   | 7,342                | 15,062               | 7,700                                 | 11,151                     |
| Billiard and pool tables,<br>bowling alleys, and<br>accessories.     | 1925                | 33   | 1,037                                  | 1,354   | 1,781                | 5,614                | 2,853                                 | 2,120                      |
|  | 1923                | 32   | 876                                    | 1,401   | 2,229                | 6,236                | 4,007                                 | 2,897                      |
|  | 1914                | 54   | 1,453                                  | 985     | 2,488                | 4,894                | 2,406                                 | 2,197                      |
| Mirror and picture<br>frames. <sup>10</sup>                          | 1925                | 162  | 4,230                                  | 5,646   | 6,836                | 19,170               | 12,335                                | 6,102                      |
|  | 1923                | 228  | 4,496                                  | 5,701   | 6,178                | 18,642               | 12,464                                | 4,497                      |
|  | 1914                | 426  | 4,787                                  | 2,850   | 4,468                | 11,014               | 5,546                                 | 4,054                      |
| Baskets and rattan and<br>willow ware, not in-<br>cluding furniture. | 1925                | 220  | 6,806                                  | 6,063   | 6,758                | 16,658               | 9,900                                 | 12,704                     |
|  | 1923                | 216  | 6,638                                  | 4,453   | 6,119                | 14,712               | 8,594                                 | 11,474                     |
|  | 1914                | 419  | 4,574                                  | 1,923   | 2,990                | 6,578                | 3,579                                 | 7,291                      |
| Caskets, coffins, burial<br>cases, and morticians'<br>goods.         | 1925                | 326  | 11,479                                 | 14,067  | 22,771               | 70,413               | 37,642                                | 29,164                     |
|  | 1923                | 327  | 11,593                                 | 13,334  | 31,541               | 65,556               | 34,017                                | 27,340                     |
|  | 1914                | 267  | 9,468                                  | 5,382   | 12,257               | 25,325               | 12,066                                | 18,959                     |
| Bales, wood, metal,<br>and other. <sup>11</sup>                      | 1923                | 11   | 219                                    | —       | 239                  | 769                  | 520                                   | 714                        |
|  | 1914                | 10   | 408                                    | 224     | 187                  | 634                  | 447                                   | 441                        |
| Cork products.   | 1925                | 28   | 3,297                                  | 2,538   | 7,269                | 16,020               | 5,761                                 | 11,064                     |
|  | 1923                | 29   | 3,478                                  | 2,594   | 8,046                | 15,566               | 7,520                                 | 10,052                     |
|  | 1914                | 52   | 2,454                                  | 1,582   | 4,761                | 7,876                | 2,124                                 | 8,795                      |
| Matches.   | 1925                | 26   | 4,627                                  | 4,707   | 12,913               | 23,741               | 10,828                                | 16,314                     |
|  | 1923                | 22   | 4,712                                  | 4,425   | 11,786               | 23,940               | 12,154                                | 15,388                     |
|  | 1914                | 20   | 2,800                                  | 1,768   | 5,202                | 12,566               | 7,354                                 | 7,457                      |
| Pulp goods.  | 1925                | 36   | 3,017                                  | 3,767   | 10,286               | 20,270               | 9,984                                 | 11,336                     |
|  | 1923                | 40   | 3,648                                  | 4,090   | 11,209               | 20,436               | 9,227                                 | 12,605                     |
|  | 1914                | 34   | 1,654                                  | 894     | 2,191                | 4,483                | 2,292                                 | 8,620                      |
| Wood preserving.   | 1925                | 131  | 8,416                                  | 9,606   | 66,709               | 91,184               | 24,475                                | 23,521                     |
|  | 1923                | 103  | 6,320                                  | 6,878   | 50,139               | 71,083               | 20,944                                | 37,996                     |
|  | 1914                | 69   | 2,830                                  | 1,785   | 16,060               | 21,055               | 4,906                                 | 11,551                     |
| Turpentine and rosin.  | 1925                | 1,007                                      | 29,412                                 | 15,190  | 11,887               | 42,364               | 30,477                                | 2,129                      |
|  | 1923                | 1,203                                      | 34,328                                 | 15,449  | 8,973                | 35,167               | 29,194                                | 1,992                      |
|  | 1914                | 1,394                                      | 34,817                                 | 8,583   | 4,536                | 20,990               | 15,454                                | 2,476                      |

For footnotes see p. 776.

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry  | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages                             | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|---|---------------------|--|--|-----------------------------------|----------------------|----------------------|---------------------------------------|----------------------------|
|   |                     |  |  | Expressed in thousands of dollars |                      |                      |                                       |                            |
| <b>LEATHER AND ITS<br/>FINISHED PROD-<br/>UCTS</b>                      |                     |  |  |                                   |                      |                      |                                       |                            |
| Leather, tanned, cur-<br>ried, and finished.                            | 1925                | 532  | 53,043                                 | 66,762                            | 306,634              | 462,014              | 155,380                               | 232,678                    |
|   | 1923                | 597  | 59,709                                 | 73,794                            | 321,780              | 488,898              | 167,148                               | 230,187                    |
|   | 1921                | 608  | 48,955                                 | 57,741                            | 277,725              | 383,365              | 105,640                               | -----                      |
|   | 1919                | 680  | 72,476                                 | 86,305                            | 646,521              | 928,592              | 282,071                               | 217,761                    |
|   | 1914                | 741  | 55,936                                 | 31,915                            | 284,245              | 367,302              | 82,957                                | 171,734                    |
| Finished prod-<br>ucts of leather,<br>total.                            | 1925                | 3,732                                      | 262,245                                | 289,484                           | 708,489              | 1,305,567            | 597,078                               | 191,081                    |
|   | 1923                | 4,271                                      | 254,842                                | 314,846                           | 761,595              | 1,391,187            | 629,592                               | 182,811                    |
|   | 1921                | 4,205                                      | 231,116                                | 256,671                           | 656,673              | 1,160,821            | 504,148                               | -----                      |
|   | 1919                | 5,717                                      | 276,886                                | 275,248                           | 1,067,285            | 1,681,539            | 614,354                               | 164,776                    |
|   | 1914                | 6,017                                      | 251,124                                | 137,443                           | 468,890              | 737,393              | 268,503                               | 139,460                    |
| Belting, leather-----   | 1925                | 168  | 2,644                                  | 3,506                             | 18,868               | 31,811               | 12,943                                | 5,889                      |
|   | 1923                | 169  | 3,160                                  | 3,896                             | 24,569               | 37,723               | 13,154                                | 9,075                      |
|   | 1914                | 151  | 2,951                                  | 2,070                             | 15,480               | 23,036               | 7,556                                 | 7,385                      |
| Boots and shoes, other<br>than rubber.                                  | 1925                | 1,460                                      | 206,962                                | 225,788                           | 481,632              | 925,383              | 443,751                               | 139,569                    |
|   | 1923                | 1,606                                      | 225,216                                | 250,346                           | 527,457              | 1,000,078            | 472,621                               | 128,550                    |
|   | 1921                | 1,505                                      | 183,502                                | 204,954                           | 478,432              | 867,476              | 389,044                               | -----                      |
|   | 1919                | 1,449                                      | 211,049                                | 210,735                           | 715,369              | 1,155,041            | 439,772                               | 115,886                    |
|   | 1914                | 1,355                                      | 191,535                                | 105,695                           | 310,357              | 501,780              | 191,403                               | 95,906                     |
| Boot and shoe cut<br>stock, not made in<br>boot and shoe facto-<br>ries | 1925                | 244  | 7,197                                  | 7,978                             | 65,646               | 84,220               | 18,574                                | 7,859                      |
|   | 1923                | 227  | 7,132                                  | 7,115                             | 68,563               | 89,291               | 20,728                                | 6,963                      |
|   | 1914                | 236  | 7,819                                  | 4,052                             | 51,451               | 59,965               | 8,514                                 | 6,018                      |
| Boot and shoe findings,<br>not made in boot and<br>shoe factories.      | 1925                | 326  | 8,606                                  | 9,696                             | 29,248               | 52,064               | 22,816                                | 15,419                     |
|   | 1923                | 364  | 7,865                                  | 8,274                             | 27,553               | 48,012               | 20,359                                | 12,823                     |
|   | 1914                | 369  | 6,714                                  | 3,226                             | 20,304               | 26,308               | 7,969                                 | 5,436                      |
| Gloves and mittens,<br>leather  | 1925                | 247  | 8,378                                  | 7,814                             | 20,021               | 37,164               | 17,143                                | 3,862                      |
|   | 1923                | 260  | 10,010                                 | 8,546                             | 20,224               | 38,081               | 17,857                                | 4,372                      |
|   | 1914                | 353  | 10,668                                 | 4,568                             | 12,171               | 21,614               | 9,443                                 | 3,306                      |
| Pocketbooks, purses,<br>and cardcases.                                  | 1925                | 190  | 6,826                                  | 9,022                             | 22,442               | 43,106               | 20,663                                | 1,356                      |
|   | 1923                | 207  | 5,518                                  | 7,291                             | 16,236               | 32,732               | 16,496                                | 1,094                      |
|   | 1914                | 64   | 1,466                                  | 702                               | 1,784                | 3,351                | 1,567                                 | 242                        |
| Saddlery and harness.   | 1925                | 258  | 4,570                                  | 5,060                             | 18,776               | 30,094               | 11,308                                | 5,021                      |
|   | 1923                | 472  | 6,617                                  | 6,916                             | 24,460               | 42,113               | 17,653                                | 7,761                      |
|   | 1914                | 2,551                                      | 12,969                                 | 7,996                             | 33,086               | 53,559               | 20,473                                | 10,362                     |
| Trunks, suitcases, and<br>bags  | 1925                | 475  | 10,348                                 | 13,236                            | 31,382               | 51,224               | 29,642                                | 7,893                      |
|   | 1923                | 506  | 11,441                                 | 13,520                            | 32,837               | 63,023               | 30,186                                | 7,269                      |
|   | 1914                | 561  | 9,911                                  | 5,540                             | 13,626               | 26,472               | 12,846                                | 7,510                      |
| Leather goods, not else-<br>where classified.                           | 1925                | 364  | 6,683                                  | 7,396                             | 20,474               | 40,512               | 20,038                                | 3,223                      |
|   | 1923                | 461  | 7,882                                  | 8,944                             | 19,596               | 40,134               | 20,538                                | 4,902                      |
|   | 1914                | 378  | 7,071                                  | 3,604                             | 10,632               | 19,334               | 8,702                                 | 3,233                      |
| <b>RUBBER PRODUCTS</b>  |                     |  |  |                                   |                      |                      |                                       |                            |
| Boots and shoes, rub-<br>ber  | 1925                | 23   | 24,999                                 | 28,058                            | 40,566               | 115,935              | 75,369                                | 59,413                     |
|   | 1923                | 25   | 29,435                                 | 33,671                            | 45,269               | 131,740              | 84,471                                | 56,184                     |
|   | 1914                | 23   | 18,687                                 | 9,986                             | 23,956               | 53,822               | 29,966                                | 24,561                     |
| Rubber tires and inner<br>tubes. <sup>1</sup>                           | 1925                | 126  | 81,640                                 | 120,614                           | 559,940              | 925,001              | 365,061                               | 403,227                    |
|   | 1923                | 160  | 73,963                                 | 108,623                           | 365,165              | 644,194              | 279,029                               | 370,551                    |
|   | 1921                | 178  | 55,496                                 | 75,054                            | 291,554              | 496,123              | 204,569                               | -----                      |
| Rubber goods, not else-<br>where classified. <sup>1</sup>               | 1925                | 349  | 34,482                                 | 41,891                            | 118,334              | 214,476              | 96,144                                | 194,217                    |
|   | 1923                | 344  | 34,470                                 | 39,790                            | 90,729               | 182,584              | 91,855                                | 178,809                    |
|   | 1921                | 294  | 23,889                                 | 25,131                            | 54,192               | 114,747              | 60,555                                | -----                      |
|   | 1919                | 432  | 126,674                                | 162,681                           | 543,996              | 1,021,299            | 477,303                               | 379,873                    |
|   | 1914                | 319  | 55,336                                 | 34,161                            | 139,079              | 247,172              | 108,093                               | 174,681                    |

For footnotes see p. 776.

## No. 757. — MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages   | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|---------|----------------------|----------------------|---------------------------------------|----------------------------|
| Expressed in thousands of dollars                                  |                     |  |  |         |                      |                      |                                       |                            |
| <b>PAPER AND PRINT-<br/>ING</b>                                    |                     |  |  |         |                      |                      |                                       |                            |
| Paper and wood pulp.   | 1925                | 763  | 123,842                                | 103,146 | 103,800              | 971,882              | 366,022                               | 2,427,010                  |
|  | 1923                | 746  | 120,677                                | 131,477 | 573,737              | 907,347              | 333,620                               | 2,178,623                  |
|  | 1921                | 738  | 105,294                                | 127,029 | 445,992              | 667,436              | 221,444                               |                            |
|  | 1919                | 729  | 113,759                                | 136,691 | 467,483              | 788,060              | 320,577                               | 1,849,699                  |
|  | 1914                | 718  | 88,457                                 | 53,346  | 213,181              | 832,147              | 118,966                               | 1,611,954                  |
| Manufactures of<br>paper, total.                                   | 1925                | 1,931                                      | 93,634                                 | 98,683  | 300,800              | 558,539              | 257,720                               | 136,963                    |
|  | 1923                | 1,907                                      | 93,800                                 | 93,544  | 289,220              | 524,126              | 234,906                               | 124,664                    |
|  | 1921                | 1,837                                      | 70,200                                 | 71,537  | 206,080              | 385,747              | 177,667                               |                            |
|  | 1919                | 1,919                                      | 90,497                                 | 73,626  | 240,589              | 440,866              | 200,277                               | 102,662                    |
|  | 1914                | 1,713                                      | 74,620                                 | 33,473  | 93,741               | 174,681              | 80,940                                | 78,740                     |
| Bags, paper, not made<br>in paper mills                            | 1925                | 60   | 5,585                                  | 5,584   | 29,957               | 45,978               | 16,021                                | 6,414                      |
|  | 1923                | 64   | 4,666                                  | 4,587   | 29,375               | 42,272               | 12,897                                | 6,169                      |
|  | 1914                | 59   | 3,506                                  | 1,689   | 12,301               | 17,603               | 5,402                                 | 3,577                      |
| Boxes, paper and other,<br>not elsewhere classi-<br>fied.          | 1925                | 1,229                                      | 57,148                                 | 57,172  | 131,712              | 281,944              | 130,232                               | 76,183                     |
|  | 1923                | 1,216                                      | 56,855                                 | 53,966  | 144,060              | 264,209              | 120,129                               | 61,067                     |
|  | 1921                | 1,191                                      | 46,242                                 | 40,477  | 88,268               | 174,248              | 85,960                                |                            |
|  | 1919                | 1,201                                      | 55,662                                 | 43,326  | 101,125              | 306,419              | 106,264                               | 54,673                     |
|  | 1914                | 1,043                                      | 45,311                                 | 18,705  | 36,268               | 74,711               | 35,443                                | 37,340                     |
| Labels and tags.   | 1925                | 113  | 5,336                                  | 6,730   | 13,006               | 28,046               | 14,980                                | 4,908                      |
|  | 1923                | 108  | 3,048                                  | 6,224   | 12,130               | 26,023               | 13,898                                | 4,538                      |
|  | 1914                | 106  | 2,690                                  | 1,459   | 2,908                | 6,584                | 3,676                                 | 2,156                      |
| Paper patterns. ....   | 1925                | 16   | 1,343                                  | 1,595   | 2,001                | 13,666               | 11,666                                | 813                        |
|  | 1923                | 19   | 929                                    | 1,006   | 1,174                | 9,259                | 8,066                                 | 971                        |
|  | 1914                | 26   | 1,073                                  | 577     | 626                  | 3,026                | 2,400                                 | 356                        |
| Card cutting and de-<br>signing                                    | 1925                | 49   | 1,086                                  | 1,084   | 2,436                | 6,201                | 3,765                                 | 1,356                      |
|  | 1923                | 47   | 1,207                                  | 1,242   | 2,643                | 6,109                | 3,406                                 | 1,263                      |
|  | 1914                | 38   | 517                                    | 265     | 421                  | 1,055                | 634                                   | 441                        |
| Cardboard, not made<br>in paper mills                              | 1925                | 13   | 978                                    | 1,188   | 3,475                | 7,288                | 3,613                                 | 1,796                      |
|  | 1923                | 15   | 1,176                                  | 1,340   | 5,322                | 9,240                | 4,008                                 | 2,354                      |
|  | 1914                | 16   | 1,159                                  | 560     | 2,962                | 4,350                | 1,396                                 | 2,663                      |
| Envelopes  | 1925                | 135  | 9,052                                  | 9,987   | 27,423               | 51,189               | 23,766                                | 10,288                     |
|  | 1923                | 132  | 9,341                                  | 9,525   | 27,528               | 50,752               | 23,234                                | 9,904                      |
|  | 1914                | 90   | 6,970                                  | 3,376   | 10,235               | 18,481               | 6,246                                 | 5,190                      |
| Paper goods, not else-<br>where classified                         | 1925                | 310  | 13,386                                 | 15,403  | 70,700               | 124,217              | 53,517                                | 25,324                     |
|  | 1923                | 311  | 14,724                                 | 15,562  | 66,658               | 116,162              | 49,204                                | 37,840                     |
|  | 1914                | 310  | 13,495                                 | 6,800   | 28,120               | 48,871               | 20,751                                | 26,890                     |
| Printing and pub-<br>lishing and al-<br>lied industries,<br>total. | 1925                | 22,725                                     | 200,324                                | 502,114 | 673,965              | 2,482,065            | 1,408,080                             | 458,842                    |
|  | 1923                | 22,122                                     | 201,029                                | 469,856 | 647,975              | 2,222,537            | 1,574,562                             | 405,194                    |
|  | 1921                | 21,850                                     | 208,061                                | 407,687 | 647,296              | 1,969,915            | 1,352,619                             |                            |
|  | 1919                | 22,476                                     | 287,278                                | 331,519 | 571,310              | 1,909,789            | 1,128,279                             | 361,124                    |
|  | 1914                | 33,471                                     | 272,092                                | 195,311 | 257,848              | 901,534              | 643,686                               | 327,103                    |
| Printing and publish-<br>ing, book and job                         | 1925                | 10,322                                     | 133,316                                | 219,830 | 228,690              | 806,867              | 376,197                               | 169,263                    |
|  | 1923                | 10,075                                     | 129,890                                | 201,217 | 220,263              | 738,227              | 518,024                               | 152,363                    |
|  | 1921                | 9,788                                      | 121,065                                | 181,066 | 216,189              | 690,075              | 473,936                               |                            |
|  | 1919                | 13,060                                     | 123,035                                | 141,476 | 211,967              | 597,663              | 386,896                               | 131,476                    |
|  | 1914                | 12,115                                     | 113,121                                | 78,414  | 96,453               | 307,331              | 210,878                               | 113,210                    |
| Printing and publish-<br>ing, minor                                | 1925                | 109  | 985                                    | 1,462   | 1,828                | 15,090               | 13,202                                | 1,363                      |
|  | 1923                | 110  | 919                                    | 1,367   | 2,253                | 14,627               | 12,374                                | 1,231                      |
|  | 1914                | 190  | 873                                    | 573     | 1,647                | 7,371                | 6,224                                 | 694                        |
| Printing and publish-<br>ing, newspapers and<br>periodicals        | 1925                | 10,625                                     | 117,001                                | 217,541 | 379,341              | 1,447,661            | 1,066,130                             | 337,967                    |
|  | 1923                | 10,367                                     | 115,646                                | 196,804 | 363,480              | 1,269,502            | 905,622                               | 303,454                    |
|  | 1921                | 10,453                                     | 107,534                                | 174,369 | 371,124              | 1,123,710            | 752,586                               |                            |
|  | 1919                | 17,362                                     | 120,281                                | 144,348 | 300,385              | 924,153              | 623,768                               | 194,074                    |
|  | 1914                | 9,317                                      | 114,375                                | 88,661  | 129,082              | 496,906              | 306,834                               | 181,703                    |
| Bookbinding and<br>blank book making                               | 1925                | 970  | 20,836                                 | 26,000  | 24,127               | 61,600               | 57,473                                | 16,147                     |
|  | 1923                | 965  | 20,728                                 | 25,216  | 21,073               | 76,986               | 53,886                                | 15,536                     |
|  | 1914                | 1,124                                      | 21,093                                 | 11,875  | 13,334               | 88,104               | 24,770                                | 10,843                     |

For footnotes see p. 777

## No. 767.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages  | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|--------|----------------------|----------------------|---------------------------------------|----------------------------|
| Expressed in thousands of dollars  |                     |  |  |        |                      |                      |                                       |                            |
| <b>PAPER AND PRINT-<br/>ING—Continued</b>  |                     |  |  |        |                      |                      |                                       |                            |
| Engraving, steel and<br>copperplate, and<br>plate printing.                                      | 1925                | 308  | 7,250                                  | 10,168 | 7,628                | 32,106               | 24,478                                | 5,764                      |
|  | 1923                | 377  | 7,520                                  | 10,185 | 7,967                | 32,551               | 24,594                                | 5,738                      |
|  | 1914                | 309  | 6,859                                  | 4,527  | 3,915                | 13,786               | 9,871                                 | 5,670                      |
| Lithographing. . .   | 1925                | 331  | 16,967                                 | 27,107 | 32,171               | 98,721               | 66,550                                | 28,623                     |
|  | 1923                | 328  | 18,317                                 | 25,087 | 31,009               | 91,671               | 60,662                                | 26,800                     |
|  | 1914                | 336  | 15,171                                 | 11,861 | 14,017               | 39,136               | 25,119                                | 15,024                     |
| Other industries<br>related to print-<br>ing and pub-<br>lishing, total. <sup>a</sup>            | 1925                | 1,134                                      | 22,766                                 | 44,573 | 33,500               | 131,200              | 97,619                                | 37,900                     |
|  | 1923                | 1,024                                      | 21,447                                 | 38,173 | 33,496               | 118,278              | 84,782                                | 35,048                     |
|  | 1914                | 1,200                                      | 17,827                                 | 14,336 | 16,496               | 48,452               | 31,956                                | 21,278                     |
| Engravers' materials   | 1925                | 16   | 177                                    | 276    | 1,202                | 2,014                | 812                                   | 921                        |
|  | 1923                | 24   | 224                                    | 302    | 1,359                | 2,303                | 944                                   | 832                        |
|  | 1914                | 13   | 106                                    | 73     | 551                  | 768                  | 217                                   | 491                        |
| Engraving (other than<br>steel, copperplate, or<br>wood) chasing, etch-<br>ing, and die-sinking. | 1925                | 198  | 1,827                                  | 2,691  | 2,177                | 8,623                | 6,446                                 | 1,753                      |
|  | 1923                | 210  | 1,887                                  | 2,853  | 2,820                | 9,121                | 6,301                                 | 2,345                      |
|  | 1914                | 486  | 1,536                                  | 1,076  | 506                  | 3,134                | 2,638                                 | 1,035                      |
| Engraving, wood. . .   | 1925                | 22   | 117                                    | 234    | 46                   | 325                  | 479                                   | 32                         |
|  | 1923                | 24   | 141                                    | 214    | 42                   | 324                  | 482                                   | 26                         |
|  | 1914                | 72   | 302                                    | 310    | 96                   | 719                  | 623                                   | 66                         |
| Photo-engraving, not<br>done in printing es-<br>tablishments.                                    | 1925                | 577  | 9,868                                  | 24,321 | 8,263                | 56,640               | 50,247                                | 6,735                      |
|  | 1923                | 450  | 8,521                                  | 18,009 | 6,006                | 43,680               | 37,054                                | 5,786                      |
|  | 1914                | 376  | 6,211                                  | 6,167  | 2,796                | 15,350               | 12,561                                | 3,724                      |
| Stereotyping and elec-<br>trotyping, not done<br>in printing establish-<br>ments                 | 1925                | 193  | 4,283                                  | 9,206  | 4,280                | 22,361               | 18,081                                | 13,774                     |
|  | 1923                | 179  | 4,006                                  | 8,334  | 3,806                | 20,596               | 16,790                                | 12,313                     |
|  | 1914                | 189  | 3,457                                  | 3,001  | 2,255                | 8,154                | 5,899                                 | 6,742                      |
| Printing materials, not<br>including type or<br>printing ink                                     | 1925                | 71   | 868                                    | 1,379  | 1,787                | 6,526                | 4,739                                 | 1,081                      |
|  | 1923                | 68   | 560                                    | 844    | 1,163                | 4,806                | 3,643                                 | 1,062                      |
|  | 1914                | 94   | 423                                    | 340    | 763                  | 2,111                | 1,348                                 | 638                        |
| Type foundry.  | 1925                | 718  | 587                                    | 603    | 706                  | 2,451                | 1,745                                 | 1,236                      |
|  | 1923                | 18   | 606                                    | 646    | 709                  | 2,512                | 1,803                                 | 1,438                      |
|  | 1914                | 31   | 1,054                                  | 686    | 901                  | 2,320                | 1,419                                 | 1,647                      |
| Wall paper, not made<br>in paper mills.  | 1925                | 49   | 5,000                                  | 5,863  | 14,909               | 30,089               | 15,070                                | 11,528                     |
|  | 1923                | 51   | 5,412                                  | 6,221  | 16,901               | 34,756               | 17,785                                | 11,246                     |
|  | 1914                | 46   | 4,738                                  | 2,703  | 8,536                | 15,687               | 7,351                                 | 6,930                      |
| <b>CHEMICALS AND AL-<br/>LIED PRODUCTS</b>   |                     |  |  |        |                      |                      |                                       |                            |
| Ammunition and relat-<br>ed products.  | 1925                | 27   | 7,777                                  | 7,967  | 22,820               | 41,707               | 18,887                                | 23,316                     |
|  | 1923                | 27   | 10,470                                 | 10,817 | 27,741               | 51,509               | 23,768                                | 23,172                     |
|  | 1914                | 32   | 11,493                                 | 6,751  | 16,277               | 30,840               | 14,563                                | 11,354                     |
| Explosives.  | 1925                | 103  | 5,697                                  | 7,731  | 37,877               | 60,689               | 31,792                                | 37,806                     |
|  | 1923                | 106  | 6,398                                  | 9,112  | 30,496               | 75,029               | 35,533                                | 35,231                     |
|  | 1914                | 111  | 6,306                                  | 4,468  | 25,627               | 41,433               | 15,806                                | 45,778                     |
| Fireworks.   | 1925                | 41   | 1,446                                  | 1,429  | 2,399                | 6,081                | 2,632                                 | 1,148                      |
|  | 1923                | 38   | 1,224                                  | 1,156  | 1,831                | 4,977                | 3,146                                 | 941                        |
|  | 1914                | 41   | 1,324                                  | 616    | 1,206                | 2,296                | 1,000                                 | 707                        |
| Baking powders, yeast,<br>and other leavening<br>compounds.                                      | 1925                | 40   | 2,931                                  | 4,063  | 23,376               | 74,593               | 51,317                                | 36,633                     |
|  | 1923                | 57   | 3,507                                  | 4,920  | 21,657               | 51,691               | 30,034                                | 35,845                     |
|  | 1914                | 124  | 2,270                                  | 1,241  | 10,896               | 22,359               | 11,444                                | 7,862                      |
| Blacking, stains, and<br>dremings.   | 1925                | 171  | 1,800                                  | 2,165  | 9,733                | 25,065               | 15,322                                | 2,650                      |
|  | 1923                | 175  | 2,166                                  | 2,170  | 10,253               | 26,622               | 15,569                                | 2,792                      |
|  | 1914                | 197  | 1,706                                  | 877    | 5,129                | 9,882                | 4,763                                 | 2,442                      |
| Bluing.  | 1925                | 23   | 176                                    | 165    | 1,017                | 2,167                | 1,150                                 | 366                        |
|  | 1923                | 25   | 188                                    | 188    | 800                  | 1,643                | 943                                   | 296                        |
|  | 1914                | 66   | 254                                    | 106    | 480                  | 1,184                | 666                                   | 216                        |

For footnotes see p. 777.



## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry  | Calendar year | Number of establishments | Wage earners (average number) | Wages                             | Cost of materials | Value of products | Value added by manufacture | Primary horsepower |
|---|---------------|--------------------------|-------------------------------|-----------------------------------|-------------------|-------------------|----------------------------|--------------------|
|   |               |                          |                               | Expressed in thousands of dollars |                   |                   |                            |                    |
| CHEMICALS, ETC.—Continued   |               |                          |                               |                                   |                   |                   |                            |                    |
| Bone black, carbon black, and lamp-black.                                 | 1925          | 66                       | 1,806                         | 1,733                             | 1,006             | 14,565            | 8,910                      | 7,359              |
|   | 1923          | 68                       | 1,803                         | 1,991                             | 8,994             | 14,630            | 9,996                      | 8,997              |
|   | 1914          | 37                       | 339                           | 251                               | 698               | 1,494             | 776                        | 1,286              |
| Candles.  | 1925          | 20                       | 639                           | 673                               | 2,798             | 8,114             | —                          | 939                |
|   | 1923          | 21                       | 766                           | 754                               | 2,398             | 8,030             | 1,037                      | 913                |
|   | 1914          | 15                       | 387                           | 195                               | 1,119             | 1,731             | 613                        | 399                |
| Chemicals, not elsewhere classified. <sup>1,2,3,4</sup>                   | 1925          | 715                      | 55,694                        | 90,435                            | 271,646           | 547,009           | 275,287                    | 657,957            |
|   | 1923          | 735                      | 74,997                        | 99,945                            | 316,901           | 639,870           | 313,939                    | 699,327            |
|   | 1921          | 993                      | 46,806                        | 55,034                            | 190,699           | 390,709           | 300,366                    | —                  |
|   | 1919          | 781                      | 71,249                        | 95,280                            | 280,398           | 574,141           | 298,843                    | 645,308            |
|   | 1914          | 305                      | 22,311                        | 23,069                            | 89,431            | 156,064           | 68,608                     | 297,907            |
| Cleaning and polishing preparations.                                      | 1925          | 269                      | 2,161                         | 2,695                             | 12,707            | 34,030            | 21,213                     | 6,279              |
|   | 1923          | 269                      | 2,376                         | 2,745                             | 12,600            | 26,443            | 21,843                     | 6,692              |
|   | 1914          | 205                      | 1,229                         | 619                               | 2,995             | 9,103             | 5,397                      | 2,643              |
| Coke, not including gas-house coke.                                       | 1925          | 297                      | 23,191                        | 26,792                            | 277,751           | 278,634           | 190,983                    | 409,802            |
|   | 1923          | 293                      | 26,304                        | 46,103                            | 284,090           | 316,692           | 162,996                    | 332,899            |
|   | 1921          | 176                      | 16,070                        | 28,993                            | 168,781           | 221,313           | 82,822                     | —                  |
|   | 1919          | 273                      | 29,319                        | 42,299                            | 224,297           | 316,516           | 92,349                     | 224,979            |
|   | 1914          | 231                      | 21,107                        | 14,299                            | 69,128            | 99,275            | 20,137                     | 117,129            |
| Drug grinding.  | 1925          | 23                       | 623                           | 719                               | 4,931             | 8,446             | 2,636                      | 4,399              |
|   | 1923          | 24                       | 789                           | 998                               | 6,645             | 10,582            | 4,007                      | 4,996              |
|   | 1914          | 39                       | 1,099                         | 959                               | 5,215             | 6,090             | 2,996                      | 4,972              |
| Druggists' preparations.  | 1925          | 370                      | 9,996                         | 11,078                            | 26,034            | 95,439            | 59,259                     | 12,899             |
|   | 1923          | 389                      | 8,996                         | 9,196                             | 33,304            | 79,143            | 45,779                     | 11,355             |
|   | 1914          | 416                      | 9,277                         | 4,765                             | 22,935            | 48,010            | 25,075                     | 8,296              |
| Patent medicines and compounds.   | 1925          | 1,279                    | 14,802                        | 15,692                            | 84,790            | 247,564           | 162,774                    | 23,940             |
|   | 1923          | 1,363                    | 17,353                        | 16,915                            | 68,602            | 237,494           | 148,692                    | 29,996             |
|   | 1921          | 1,436                    | 13,800                        | 13,684                            | 69,671            | 175,896           | 106,327                    | —                  |
|   | 1919          | 2,467                    | 17,444                        | 13,749                            | 68,819            | 212,162           | 123,343                    | 25,409             |
|   | 1914          | 2,903                    | 13,326                        | 6,675                             | 35,940            | 102,463           | 60,523                     | 18,326             |
| Perfumery, cosmetics, and toilet preparations.                            | 1925          | 594                      | 8,714                         | 8,537                             | 46,983            | 129,510           | 82,577                     | 7,381              |
|   | 1923          | 465                      | 7,761                         | 7,102                             | 37,636            | 100,241           | 62,605                     | 6,502              |
|   | 1914          | 496                      | 2,897                         | 1,290                             | 7,465             | 16,899            | 9,434                      | 1,815              |
| Tanning materials, natural dyestuffs, mordants and assistants, and sizes. | 1925          | 126                      | 2,496                         | 2,987                             | 22,763            | 34,784            | 12,021                     | 32,634             |
|   | 1923          | 126                      | 3,243                         | 3,801                             | 24,083            | 35,972            | 11,909                     | 32,833             |
|   | 1914          | 112                      | 2,839                         | 1,613                             | 13,238            | 20,620            | —                          | 22,296             |
| Fertilizers.  | 1925          | 587                      | 19,644                        | 17,743                            | 137,806           | 206,773           | 68,966                     | 162,199            |
|   | 1923          | 573                      | 18,672                        | 16,385                            | 127,960           | 183,099           | 55,109                     | 161,774            |
|   | 1921          | 588                      | 16,896                        | 16,026                            | 144,978           | 180,375           | 38,297                     | —                  |
|   | 1919          | 600                      | 26,296                        | 25,353                            | 185,041           | 281,144           | 99,108                     | 126,999            |
|   | 1914          | 784                      | 22,815                        | 10,632                            | 107,955           | 153,196           | 45,241                     | 113,929            |
| Gas, manufactured, illuminating and heating.                              | 1925          | 919                      | 46,996                        | 67,437                            | 178,423           | 456,480           | 277,037                    | 428,132            |
|   | 1923          | 939                      | 42,282                        | 59,600                            | 191,120           | 450,037           | 278,977                    | 358,606            |
|   | 1921          | 964                      | 34,956                        | 52,306                            | 202,253           | 411,196           | 208,943                    | —                  |
|   | 1919          | 1,023                    | 42,908                        | 52,759                            | 157,551           | 329,279           | 171,728                    | 238,454            |
|   | 1914          | 1,284                    | 43,792                        | 26,802                            | 76,779            | 220,236           | 143,459                    | 213,303            |
| Ghee and gelatin.   | 1925          | 55                       | 3,325                         | 3,976                             | 15,339            | 25,764            | 10,426                     | 22,807             |
|   | 1923          | 60                       | 3,651                         | 4,076                             | 14,591            | 24,366            | 9,775                      | 24,708             |
|   | 1914          | 57                       | 3,129                         | 1,854                             | 9,368             | 13,733            | 4,265                      | 13,299             |
| Mucilage, paste, and other adhesives, not elsewhere classified.           | 1925          | 105                      | 704                           | 962                               | 7,234             | 12,661            | 5,427                      | 3,702              |
|   | 1923          | 101                      | 663                           | 893                               | 5,976             | 10,621            | 4,645                      | 3,204              |
|   | 1914          | 127                      | 700                           | 399                               | 3,338             | 5,695             | 2,357                      | 2,311              |
| Grease and tallow, not including lubricating greases.                     | 1925          | 263                      | 5,303                         | 7,508                             | 33,713            | 51,442            | 17,729                     | 20,840             |
|   | 1923          | 254                      | 5,248                         | 7,004                             | 31,275            | 48,634            | 17,389                     | 20,275             |
|   | 1914          | 369                      | 5,106                         | 3,512                             | 17,061            | 24,901            | 7,940                      | 17,925             |

For footnotes see p. 777.

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry  | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages   | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|---|---------------------|--|--|---------|----------------------|----------------------|---------------------------------------|----------------------------|
| Expressed in thousands of dollars                           |                     |  |  |         |                      |                      |                                       |                            |
| <b>CHEMICALS, ETC.—Continued</b>                            |                     |  |  |         |                      |                      |                                       |                            |
| Lubricating greases not<br>made in petroleum<br>refineries. | 1925                | 52   | 607                                    | 839     | 6,798                | 13,299               | 6,443                                 | 2,867                      |
|   | 1923                | 52   | 606                                    | 839     | 7,269                | 12,584               | 5,334                                 | 2,972                      |
|   | 1914                | 77   | 476                                    | 283     | 2,767                | 4,919                | 2,152                                 | 2,596                      |
| Ink, printing.....  | 1925                | 109  | 2,150                                  | 2,346   | 16,263               | 34,758               | 18,500                                | 17,041                     |
|   | 1923                | 99   | 1,975                                  | 2,869   | 14,779               | 29,412               | 14,623                                | 14,708                     |
|   | 1914                | 70   | 1,391                                  | 1,064   | 8,808                | 13,830               | 7,024                                 | 7,648                      |
| Ink, writing.....   | 1925                | 28   | 524                                    | 598     | 2,434                | 6,084                | 3,600                                 | 709                        |
|   | 1923                | 31   | 578                                    | 635     | 2,653                | 6,107                | 3,454                                 | 896                        |
|   | 1914                | 54   | 512                                    | 268     | 1,296                | 2,784                | 1,548                                 | 561                        |
| Alcohol, ethyl <sup>a</sup> .....                           | 1925                | 31   | 1,395                                  | 1,838   | 26,565               | 57,706               | 19,141                                | 10,266                     |
|   | 1923                | 30   | 1,082                                  | 1,474   | 17,770               | 33,000               | 15,230                                | 8,129                      |
|   | 1914                | 434  | 6,295                                  | 3,904   | 40,997               | 208,779              | 165,782                               | 51,670                     |
| Liquors, malt <sup>a</sup> .....                            | 1921                | 531  | 18,551                                 | 29,395  | 55,016               | 122,060              | 67,084                                | .....                      |
|   | 1919                | 729  | 34,259                                 | 45,171  | 94,792               | 379,905              | 265,113                               | 328,136                    |
|   | 1914                | 1,260                                      | 62,070                                 | 58,244  | 129,734              | 442,149              | 312,425                               | 408,049                    |
| Liquors, vinous <sup>a</sup> .....                          | 1925                | 27   | 265                                    | 292     | 1,765                | 3,436                | 1,631                                 | 1,499                      |
|   | 1923                | 26   | 515                                    | 524     | 2,969                | 5,831                | 2,872                                 | 2,925                      |
|   | 1914                | 318  | 2,292                                  | 1,194   | 9,499                | 16,618               | 7,129                                 | 9,339                      |
| Oil, cake, and meal,<br>cottonseed.                         | 1925                | 535  | 16,215                                 | 11,412  | 244,315              | 295,685              | 51,370                                | 239,006                    |
|   | 1923                | 511  | 12,745                                 | 7,908   | 197,515              | 228,398              | 38,873                                | 232,742                    |
|   | 1921                | 610  | 16,162                                 | 12,340  | 194,864              | 217,225              | 22,361                                | .....                      |
|   | 1919                | 711  | 26,766                                 | 20,615  | 495,192              | 581,245              | 86,053                                | 299,981                    |
|   | 1914                | 982  | 21,810                                 | 8,490   | 180,976              | 212,127              | 31,151                                | 249,781                    |
| Oil, essential.....   | 1925                | 14   | 178                                    | 281     | 4,263                | 5,882                | 1,519                                 | 1,184                      |
|   | 1923                | 17   | 170                                    | 297     | 2,266                | 2,184                | 928                                   | 1,398                      |
|   | 1914                | 106  | 249                                    | 183     | 1,565                | 2,314                | 749                                   | 1,969                      |
| Oil, cake, and meal,<br>linseed.                            | 1925                | 33   | 2,692                                  | 4,290   | 121,762              | 149,514              | 18,762                                | 25,899                     |
|   | 1923                | 34   | 2,681                                  | 3,784   | 102,690              | 112,221              | 10,531                                | 21,674                     |
|   | 1914                | 26   | 1,498                                  | 1,127   | 39,555               | 44,882               | 4,327                                 | 15,511                     |
| Oil, not elsewhere<br>classified.                           | 1925                | 191  | 3,618                                  | 4,963   | 65,202               | 117,776              | 32,574                                | 17,999                     |
|   | 1923                | 211  | 4,271                                  | 5,460   | 84,201               | 118,188              | 33,957                                | 18,431                     |
|   | 1914                | 181  | 2,049                                  | 1,368   | 29,430               | 38,040               | 11,630                                | 10,499                     |
| Paints and varnishes...                                     | 1925                | 923  | 25,490                                 | 35,420  | 293,943              | 470,786              | 176,798                               | 143,111                    |
|   | 1923                | 826  | 22,818                                 | 29,671  | 248,955              | 404,185              | 156,190                               | 114,281                    |
|   | 1921                | 804  | 18,015                                 | 23,293  | 171,398              | 274,310              | 102,912                               | .....                      |
|   | 1919                | 830  | 21,807                                 | 34,118  | 217,112              | 340,347              | 123,235                               | 84,527                     |
|   | 1914                | 800  | 16,083                                 | 10,180  | 88,465               | 145,624              | 57,159                                | 67,568                     |
| Rayon <sup>a</sup> .....                                    | 1925                | 14   | 19,128                                 | 22,976  | 18,478               | 88,061               | 69,583                                | 66,966                     |
| Petroleum refining.....                                     | 1925                | 369  | 65,324                                 | 104,645 | 1,889,678            | 2,375,657            | 486,979                               | 393,753                    |
|   | 1923                | 382  | 65,717                                 | 103,634 | 1,425,053            | 1,793,700            | 368,647                               | 391,154                    |
|   | 1921                | 366  | 63,189                                 | 102,294 | 1,382,170            | 1,727,440            | 345,270                               | .....                      |
|   | 1919                | 330  | 58,889                                 | 89,730  | 1,247,908            | 1,632,633            | 384,625                               | 238,906                    |
|   | 1914                | 176  | 25,398                                 | 19,397  | 325,265              | 396,361              | 71,096                                | 128,190                    |
| Salt.....   | 1925                | 70   | 6,308                                  | 7,261   | 13,849               | 34,253               | 20,404                                | 54,647                     |
|   | 1923                | 75   | 6,809                                  | 8,130   | 16,477               | 36,837               | 20,360                                | 58,101                     |
|   | 1914                | 96   | 5,089                                  | 3,041   | 6,273                | 14,070               | 7,797                                 | 29,007                     |
| Soap.....   | 1925                | 272  | 15,406                                 | 18,526  | 184,873              | 278,273              | 93,400                                | 56,697                     |
|   | 1923                | 270  | 17,002                                 | 20,777  | 173,546              | 276,408              | 102,857                               | 74,820                     |
|   | 1921                | 282  | 16,558                                 | 18,865  | 150,356              | 240,196              | 89,639                                | .....                      |
|   | 1919                | 346  | 20,436                                 | 21,228  | 238,519              | 316,740              | 78,221                                | 33,700                     |
|   | 1914                | 371  | 14,173                                 | 8,088   | 88,867               | 127,942              | 39,075                                | 34,106                     |
| Sulphuric, nitric, and<br>mixed acids.                      | 1925                | 36   | 2,196                                  | 3,103   | 11,066               | 23,307               | 12,241                                | 22,120                     |
|   | 1923                | 37   | 2,357                                  | 3,466   | 11,695               | 24,405               | 12,710                                | 19,131                     |
|   | 1914                | 32   | 3,084                                  | 2,213   | 6,734                | 15,215               | 8,481                                 | 21,002                     |
| Wood distillation and<br>charcoal manufac-<br>ture.         | 1925                | 106  | 4,217                                  | 4,305   | 15,834               | 25,283               | 9,459                                 | 17,907                     |
|   | 1923                | 128  | 4,123                                  | 4,325   | 17,366               | 26,695               | 12,436                                | 14,910                     |
|   | 1914                | 142  | 3,080                                  | 1,646   | 6,729                | 10,284               | 3,555                                 | 10,179                     |

For footnotes see p. 777.

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages   | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|---------|----------------------|----------------------|---------------------------------------|----------------------------|
|  |                     |  |  |         |                      |                      |                                       |                            |
| STONE, CLAY, AND GLASS PRODUCTS *  |                     |  |  |         |                      |                      |                                       |                            |
| Industries using stone as a material, total.                             | 1925                | 4,852                                      | 123,099                                | 178,844 | 300,799              | 770,032              | 478,239                               | 1,365,906                  |
|  | 1923                | 4,821                                      | 118,590                                | 167,460 | 273,369              | 697,461              | 424,082                               | 1,071,310                  |
|  | 1921                | 4,752                                      | 94,565                                 | 109,834 | 212,557              | 464,613              | 252,056                               |                            |
|  | 1919                | 7,969                                      | 93,881                                 | 108,521 | 196,407              | 457,760              | 262,553                               | 796,159                    |
|  | 1914                | 9,530                                      | 115,642                                | 74,637  | 119,163              | 277,562              | 168,399                               | 938,040                    |
| Concrete products. . . . .   | 1925                | 1,066                                      | 14,722                                 | 20,761  | 27,792               | 75,214               | 47,422                                | 38,361                     |
|  | 1923                | 1,129                                      | 10,766                                 | 14,834  | 20,465               | 53,602               | 33,117                                | 30,768                     |
|  | 1914                | 3,548                                      | 10,253                                 | 6,308   | 8,904                | 21,934               | 12,030                                | 30,274                     |
| Marble, slate, and stone work  | 1925                | 2,359                                      | 86,575                                 | 69,593  | 66,976               | 193,047              | 126,071                               | 240,397                    |
|  | 1923                | 2,091                                      | 40,056                                 | 61,599  | 66,863               | 191,538              | 124,656                               | 213,133                    |
|  | 1914                | 4,901                                      | 54,891                                 | 37,900  | 37,802               | 107,055              | 66,263                                | 206,115                    |
| Lime. . . . .  | 1925                | 283  | 12,095                                 | 14,032  | 20,049               | 30,736               | 30,687                                | 57,571                     |
|  | 1923                | 301  | 12,300                                 | 18,522  | 19,700               | 47,244               | 27,544                                | 74,305                     |
|  | 1914                | 627  | 12,429                                 | 6,040   | 7,558                | 18,391               | 10,433                                | 30,079                     |
| Cement. . . . .  | 1925                | 145  | 38,437                                 | 53,911  | 114,169              | 200,896              | 195,736                               | 571,680                    |
|  | 1923                | 183  | 35,091                                 | 49,708  | 100,767              | 264,090              | 163,332                               | 642,840                    |
|  | 1921                | 135  | 36,231                                 | 34,416  | 102,800              | 308,627              | 101,267                               |                            |
|  | 1919                | 132  | 25,824                                 | 33,195  | 79,510               | 176,268              | 96,756                                | 695,808                    |
|  | 1914                | 138  | 27,916                                 | 18,192  | 61,987               | 101,756              | 49,769                                | 490,402                    |
| Wall plaster, wall board, and floor composition                          | 1925                | 222  | 10,078                                 | 16,078  | 39,559               | 90,957               | 51,404                                | 62,163                     |
|  | 1923                | 195  | 9,299                                  | 14,594  | 33,124               | 73,601               | 40,677                                | 62,530                     |
|  | 1914                | 166  | 5,390                                  | 3,465   | 7,923                | 16,544               | 8,551                                 | 36,599                     |
| Asbestos products, other than steam packing, or pipe and boiler covering | 1925                | 49   | 6,129                                  | 7,692   | 19,226               | 36,274               | 17,049                                | 22,918                     |
|  | 1923                | 56   | 6,078                                  | 8,640   | 20,027               | 36,820               | 16,793                                | 26,816                     |
|  | 1921                | 40   | 2,026                                  | 1,948   | 6,076                | 13,030               | 6,954                                 |                            |
|  | 1919                | 46   | 3,554                                  | 3,782   | 12,948               | 23,978               | 11,030                                | 9,657                      |
|  | 1914                | 32   | 962                                    | 484     | 1,860                | 2,814                | 1,454                                 | 2,861                      |
| Emery wheels and other abrasive and polishing appliances                 | 1925                | 68   | 3,352                                  | 4,770   | 11,106               | 26,731               | 14,626                                | 11,664                     |
|  | 1923                | 57   | 2,366                                  | 4,706   | 10,606               | 25,307               | 14,609                                | 11,530                     |
|  | 1914                | 49   | 2,387                                  | 1,491   | 3,006                | 7,130                | 4,134                                 | 4,090                      |
| Grindstones, pulp stones, and millstones. *                              | 1925                | 21   | 454                                    | 580     | 292                  | 1,631                | 1,339                                 | 3,005                      |
|  | 1923                | 21   | 667                                    | 691     | 560                  | 2,006                | 1,536                                 | 2,890                      |
|  | 1914                | 14   | 698                                    | 336     | 116                  | 664                  | 568                                   | 2,160                      |
| Hones, whetstones, and similar products.                                 | 1925                | 6  | 156                                    | 166     | 304                  | 787                  | 393                                   | 891                        |
|  | 1923                | 8  | 166                                    | 172     | 179                  | 546                  | 367                                   | 1,151                      |
|  | 1914                | 16   | 170                                    |         | 67                   | 260                  | 173                                   | 894                        |
| Red lime brick   | 1925                | 41   | 601                                    | 1,119   | 1,238                | 3,760                |                                       | 6,366                      |
|  | 1923                | 31   | 582                                    | 698     | 946                  | 2,406                | 1,462                                 | 4,332                      |
|  | 1914                | 45   | 557                                    | 322     | 350                  | 994                  | 644                                   | 5,006                      |
| Industries using clay and other earths as materials, total.              | 1925                | 2,068                                      | 150,953                                | 189,011 | 155,938              | 502,770              | 340,832                               | 700,775                    |
|  | 1923                | 2,734                                      | 151,176                                | 185,282 | 155,084              | 497,612              | 342,778                               | 613,962                    |
|  | 1921                | 2,624                                      | 106,627                                | 120,200 | 106,774              | 316,056              | 207,282                               |                            |
|  | 1919                | 3,457                                      | 122,330                                | 127,703 | 104,668              | 342,829              | 233,261                               | 572,145                    |
|  | 1914                | 4,095                                      | 134,429                                | 76,153  | 62,481               | 191,418              | 128,937                               | 613,164                    |
| Clay products (other than pottery) and nonclay refractories *            | 1925                | 1,939                                      | 102,777                                | 127,127 | 100,013              | 333,730              | 233,717                               | 517,204                    |
|  | 1923                | 1,963                                      | 102,723                                | 123,773 | 103,318              | 333,416              | 230,098                               | 480,576                    |
|  | 1921                | 1,681                                      | 68,759                                 | 73,726  | 66,276               | 194,329              | 126,053                               |                            |
|  | 1919                | 2,414                                      | 76,915                                 | 78,256  | 67,486               | 206,423              | 140,895                               | 406,157                    |
|  | 1914                | 3,239                                      | 100,182                                | 54,907  | 42,723               | 135,921              | 93,196                                | 442,460                    |
| Pottery, including porcelain ware.                                       | 1925                | 309  | 34,536                                 | 44,769  | 23,926               | 111,078              | 77,153                                | 60,141                     |
|  | 1923                | 304  | 26,824                                 | 44,706  | 33,600               | 114,392              | 80,792                                | 44,539                     |
|  | 1914                | 350  | 26,705                                 | 16,666  | 12,032               | 36,943               | 24,911                                | 22,397                     |
| China firing and decorating, not done in potteries                       | 1925                | 31   | 333                                    | 386     | 672                  | 1,690                | 918                                   | 26                         |
|  | 1923                | 33   | 355                                    | 460     | 609                  | 1,498                | 894                                   | 66                         |
|  | 1914                | 51   | 295                                    | 160     | 330                  | 727                  | 397                                   | 21                         |
| Crucibles. . . . .   | 1925                | 11   | 284                                    | 381     | 755                  | 2,093                | 1,387                                 | 1,476                      |
|  | 1923                | 13   | 516                                    | 627     | 1,226                | 2,468                | 2,943                                 | 1,647                      |
|  | 1914                | 10   | 302                                    | 171     | 1,270                | 1,696                | 616                                   | 875                        |

For footnotes see p. 777.

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry  | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages                             | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|---|---------------------|--|--|-----------------------------------|----------------------|----------------------|---------------------------------------|----------------------------|
|   |                     |  |  | Expressed in thousands of dollars |                      |                      |                                       |                            |
| STONE, CLAY, ETC.—<br>Continued   |                     |  |  |                                   |                      |                      |                                       |                            |
| Graphite, ground and<br>refined.  | 1925                | 11   | 228                                    | 278                               | 1,328                | 2,569                | 1,241                                 | 2,927                      |
|   | 1923                | 8  | 244                                    | 304                               | 1,082                | 2,184                | 1,102                                 | 2,700                      |
|   | 1914                | 11   | 250                                    | 181                               | 723                  | 1,724                | 1,001                                 | 2,602                      |
| Minerals and earths,<br>ground or otherwise<br>treated.   | 1925                | 250  | 8,762                                  | 9,882                             | 17,165               | 42,381               | 25,216                                | 127,649                    |
|   | 1923                | 243  | 8,707                                  | 10,168                            | 13,301               | 35,309               | 22,008                                | 83,471                     |
|   | 1914                | 244  | 4,707                                  | 2,485                             | 4,561                | 10,307               | 5,746                                 | 44,067                     |
| Statuary and art goods,<br>factory product.   | 1925                | 137  | 2,033                                  | 4,188                             | 2,079                | 9,330                | 7,251                                 | 1,340                      |
|   | 1923                | 150  | 1,807                                  | 3,244                             | 1,898                | 7,550                | 5,652                                 | 867                        |
|   | 1914                | 190  | 1,988                                  | 1,583                             | 842                  | 3,910                | 3,068                                 | 781                        |
| Glass and manu-<br>factures of glass,<br>total.   | 1925                | 938  | 78,384                                 | 99,357                            | 146,696              | 358,850              | 212,154                               | 281,476                    |
|   | 1923                | 962  | 81,956                                 | 100,819                           | 145,070              | 367,848              | 222,778                               | 250,982                    |
|   | 1921                | 971  | 61,798                                 | 77,031                            | 106,926              | 252,420              | 145,494                               | -----                      |
|   | 1919                | 1,173                                      | 86,599                                 | 96,501                            | 117,637              | 311,158              | 193,521                               | 216,613                    |
|   | 1914                | 1,165                                      | 85,753                                 | 55,294                            | 59,173               | 149,720              | 90,547                                | 172,772                    |
| Glass-----  | 1925                | 310  | 69,371                                 | 86,736                            | 113,652              | 295,959              | 182,307                               | 271,639                    |
|   | 1923                | 333  | 73,335                                 | 89,898                            | 113,170              | 309,353              | 196,183                               | 240,528                    |
|   | 1921                | 329  | 54,748                                 | 68,224                            | 86,036               | 213,471              | 127,435                               | -----                      |
|   | 1919                | 371  | 77,520                                 | 87,527                            | 90,780               | 261,884              | 171,104                               | 207,338                    |
|   | 1914                | 348  | 74,502                                 | 48,656                            | 46,016               | 123,085              | 77,069                                | 162,934                    |
| Glass cutting, stain-<br>ing, and ornament-<br>ing.   | 1925                | 410  | 4,860                                  | 6,517                             | 13,331               | 27,943               | 14,612                                | 3,531                      |
|   | 1923                | 434  | 5,157                                  | 6,042                             | 11,809               | 25,027               | 13,218                                | 4,732                      |
|   | 1914                | 635  | 8,067                                  | 4,670                             | 7,143                | 16,446               | 9,303                                 | 5,358                      |
| Mirrors, framed and<br>unframed.  | 1925                | 218  | 4,153                                  | 6,104                             | 19,713               | 34,948               | 15,235                                | 6,306                      |
|   | 1923                | 195  | 3,464                                  | 4,879                             | 20,091               | 33,468               | 13,377                                | 5,722                      |
|   | 1914                | 182  | 3,184                                  | 1,968                             | 6,014                | 10,189               | 4,175                                 | 4,480                      |
| METALS AND PROD-<br>UCTS, EXCEPT<br>IRON AND STEEL  |                     |  |  |                                   |                      |                      |                                       |                            |
| Metals, total-----  | 1925                | 1,205                                      | 66,393                                 | 95,986                            | 490,183              | 688,798              | 198,615                               | 378,915                    |
|   | 1923                | 1,232                                      | 68,190                                 | 93,610                            | 447,024              | 644,965              | 197,941                               | 319,377                    |
|   | 1921                | 1,124                                      | 43,072                                 | 50,580                            | 202,329              | 296,252              | 96,923                                | -----                      |
|   | 1919                | 1,339                                      | 79,156                                 | 99,130                            | 417,489              | 614,938              | 197,449                               | 280,854                    |
|   | 1914                | 1,218                                      | 42,827                                 | 26,827                            | 163,334              | 218,368              | 55,034                                | 130,312                    |
| Babbitt metal, white<br>metal, type metal,<br>and solder.   | 1925                | 67   | 1,465                                  | 2,221                             | 44,081               | 50,650               | 6,569                                 | 3,907                      |
|   | 1923                | 83   | 1,497                                  | 1,969                             | 33,964               | 41,487               | 7,523                                 | 4,004                      |
|   | 1914                | 109  | 1,035                                  | 701                               | 15,652               | 19,180               | 3,528                                 | 2,881                      |
| Brass, bronze, and<br>other nonferrous al-<br>loys, and manufac-<br>tures of these alloys<br>and of copper, not<br>elsewhere classified. <sup>a</sup> | 1925                | 1,044                                      | 62,942                                 | 90,613                            | 337,641              | 519,725              | 182,084                               | 361,242                    |
|   | 1923                | 1,044                                      | 64,931                                 | 89,065                            | 332,084              | 512,262              | 180,178                               | 306,265                    |
|   | 1921                | 920  | 40,033                                 | 46,460                            | 130,904              | 215,549              | 84,645                                | -----                      |
|   | 1919                | 1,102                                      | 75,288                                 | 94,337                            | 305,274              | 483,264              | 177,990                               | 266,156                    |
|   | 1914                | 1,004                                      | 40,751                                 | 25,328                            | 115,925              | 163,169              | 47,244                                | 122,761                    |
| Gold, silver, and plati-<br>num, reducing and<br>refining, not from the<br>ore.   | 1925                | 65   | 1,258                                  | 2,166                             | 88,867               | 95,243               | 6,376                                 | 9,676                      |
|   | 1923                | 76   | 901                                    | 1,361                             | 65,069               | 71,921               | 6,832                                 | 4,620                      |
|   | 1914                | 78   | 456                                    | 391                               | 25,709               | 28,588               | 2,879                                 | 2,061                      |
| Lead, bar, pipe, and sheet  | 1925                | 29   | 728                                    | 986                               | 19,594               | 23,180               | 3,586                                 | 4,090                      |
|   | 1923                | 29   | 861                                    | 1,215                             | 15,887               | 19,295               | 3,408                                 | 4,488                      |
|   | 1914                | 27   | 585                                    | 407                               | 6,048                | 7,431                | 1,383                                 | 2,609                      |
| Smelting and re-<br>fining, total.  | 1925                | 173  | 35,936                                 | 52,627                            | 981,326              | 1,149,264            | 167,938                               | 474,336                    |
|   | 1923                | 130  | 40,691                                 | 59,594                            | 851,738              | 999,954              | 148,216                               | 555,644                    |
|   | 1921                | 145  | 20,214                                 | 26,677                            | 378,364              | 445,182              | 66,818                                | -----                      |
|   | 1919                | 192  | 41,787                                 | 58,742                            | 889,432              | 1,022,340            | 132,908                               | 464,503                    |
|   | 1914                | 172  | 37,318                                 | 30,867                            | 603,996              | 709,041              | 105,045                               | 271,490                    |
| Copper-----   | 1925                | 26   | 15,588                                 | 22,642                            | 573,190              | 665,177              | 91,987                                | 326,509                    |
|   | 1923                | 29   | 16,777                                 | 25,459                            | 554,100              | 626,438              | 71,333                                | 332,943                    |
|   | 1921                | 28   | 8,293                                  | 11,199                            | 205,904              | 234,895              | 28,991                                | -----                      |
|   | 1919                | 34   | 17,345                                 | 25,728                            | 584,410              | 651,102              | 66,692                                | 321,610                    |
|   | 1914                | 37   | 17,731                                 | 16,149                            | 379,157              | 444,022              | 64,865                                | 194,980                    |

For footnotes see p. 777.

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages   | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|---------|----------------------|----------------------|---------------------------------------|----------------------------|
| Expressed in thousands of dollars  |                     |  |  |         |                      |                      |                                       |                            |
| <b>METALS, ETC.—Con</b>  |                     |  |  |         |                      |                      |                                       |                            |
| <b>Lead</b> .....  | 1925                | 17   | 5,115                                  | 9,001   | 254,861              | 253,043              | 28,163                                | 47,329                     |
|  | 1923                | 20   | 6,194                                  | 8,768   | 207,815              | 227,735              | 20,420                                | 42,377                     |
|  | 1921                | 25   | 4,509                                  | 5,956   | 134,061              | 150,594              | 16,533                                | —                          |
|  | 1919                | 25   | 5,438                                  | 9,180   | 179,374              | 196,798              | 17,421                                | 49,698                     |
|  | 1914                | 22   | 7,385                                  | 6,184   | 154,015              | 171,579              | 17,564                                | 23,794                     |
| <b>Zinc</b> .....  | 1925                | 28   | 11,299                                 | 16,305  | 83,992               | 118,906              | 34,914                                | 86,308                     |
|  | 1923                | 35   | 11,918                                 | 16,896  | 64,134               | 94,184               | 30,680                                | 79,589                     |
|  | 1914                | 29   | 9,617                                  | 6,700   | 89,573               | 53,838               | 13,965                                | 36,766                     |
| <b>Metals, not elsewhere<br/>classified, <i>n. s.</i></b>  | 1923                | 4  | 257                                    | 387     | 4,541                | 5,382                | 841                                   | 1,144                      |
|  | 1921                | 5  | 434                                    | 748     | 4,055                | 7,060                | 3,006                                 | —                          |
|  | 1919                | 11   | 2,041                                  | 2,962   | 14,967               | 20,074               | 5,117                                 | 11,700                     |
| <b>Metals other than gold,<br/>silver, or platinum<br/>not from the ore.</b>   | 1925                | 102  | 2,944                                  | 4,679   | 69,263               | 82,138               | 12,673                                | 14,249                     |
|  | 1923                | 41   | 1,587                                  | 2,234   | 29,049               | 35,785               | 6,736                                 | 9,654                      |
|  | 1914                | 84   | 2,585                                  | 1,884   | 31,251               | 39,902               | 8,661                                 | 10,071                     |
| <b>Metal products,<br/>total.</b>  | 1925                | 5,097                                      | 169,626                                | 226,914 | 472,727              | 983,267              | 510,540                               | 294,495                    |
|  | 1923                | 5,626                                      | 184,556                                | 235,625 | 465,697              | 976,815              | 511,118                               | 264,120                    |
|  | 1921                | 6,140                                      | 146,608                                | 175,431 | 303,187              | 655,398              | 352,211                               | —                          |
|  | 1919                | 8,300                                      | 180,228                                | 196,872 | 427,464              | 869,749              | 442,265                               | 199,625                    |
|  | 1914                | 7,839                                      | 165,517                                | 94,549  | 195,128              | 395,748              | 200,620                               | 142,216                    |
| <b>Aluminum manufac-<br/>tures.</b>  | 1925                | 127  | 14,353                                 | 19,753  | 84,985               | 127,831              | 42,846                                | 62,366                     |
|  | 1923                | 119  | 16,288                                 | 19,844  | 66,659               | 106,930              | 40,271                                | 58,272                     |
|  | 1914                | 87   | 4,614                                  | 2,611   | 14,421               | 19,598               | 5,177                                 | 12,267                     |
| <b>Clocks, time-recording<br/>devices, and clock<br/>movements</b>   | 1925                | 45   | 7,945                                  | 9,286   | 8,920                | 29,379               | 20,489                                | 5,614                      |
|  | 1923                | 38   | 9,359                                  | 9,679   | 8,172                | 28,558               | 20,361                                | 5,284                      |
|  | 1914                | 43   | 6,784                                  | 2,653   | 4,008                | 11,032               | 7,024                                 | 1,968                      |
| <b>Watches and watch<br/>movements</b>   | 1925                | 13   | 13,915                                 | 16,557  | 6,178                | 36,254               | 20,076                                | 12,349                     |
|  | 1923                | 17   | 11,671                                 | 13,870  | 8,836                | 30,630               | 21,794                                | 7,396                      |
|  | 1914                | 15   | 12,390                                 | 7,594   | 2,689                | 14,275               | 11,606                                | 6,034                      |
| <b>Watch and clock mate-<br/>rials and parts, ex-<br/>cept watchcases.</b>   | 1925                | 25   | 501                                    | —       | 376                  | 1,368                | 987                                   | 219                        |
|  | 1923                | 25   | 396                                    | 390     | 379                  | 1,289                | 910                                   | 170                        |
|  | 1914                | 25   | 670                                    | 390     | 343                  | 1,015                | 672                                   | 681                        |
| <b>Watchcases.</b>   | 1925                | 45   | 2,480                                  | 4,462   | 6,060                | 14,793               | 8,743                                 | 4,106                      |
|  | 1923                | 57   | 4,825                                  | 5,414   | 7,490                | 17,817               | 10,318                                | 3,716                      |
|  | 1914                | 31   | 3,514                                  | 1,938   | 4,002                | 7,831                | 3,839                                 | 2,369                      |
| <b>Copper, tin, and sheet-<br/>ironwork, including<br/>galvanized-iron work,<br/>not elsewhere classi-<br/>fied.</b> | 1925                | 2,107                                      | 24,996                                 | 37,825  | 84,080               | 175,043              | 90,968                                | 33,272                     |
|  | 1923                | 2,594                                      | 26,862                                 | 42,446  | 98,307               | 188,908              | 95,401                                | 34,243                     |
|  | 1914                | 4,527                                      | 28,714                                 | 20,518  | 50,174               | 94,891               | 44,717                                | 21,373                     |
| <b>Fire extinguishers,<br/>chemical.</b>   | 1925                | 26   | 842                                    | 1,131   | 4,122                | 8,037                | 3,916                                 | 1,440                      |
|  | 1923                | 26   | 762                                    | 847     | 3,366                | 6,162                | 2,786                                 | 1,256                      |
|  | 1914                | 27   | 266                                    | 200     | 574                  | 1,298                | 724                                   | 268                        |
| <b>Stamped and enameled<br/>ware, not elsewhere<br/>classified <i>n.</i></b>   | 1925                | 370  | 29,704                                 | 36,107  | 77,487               | 154,096              | 76,609                                | 64,346                     |
|  | 1923                | 329  | 35,237                                 | 42,636  | 64,518               | 170,923              | 86,405                                | 68,336                     |
|  | 1914                | 270  | 28,731                                 | 15,243  | 32,472               | 65,121               | 22,649                                | 34,861                     |
| <b>Gas and electric fix-<br/>tures, not including<br/>lamps and reflectors</b>                                       | 1925                | 329  | 11,565                                 | 16,534  | 28,249               | 66,841               | 40,592                                | 13,728                     |
|  | 1923                | 350  | 12,315                                 | 15,664  | 26,966               | 61,769               | 35,784                                | 13,618                     |
|  | 1914                | 460  | 10,913                                 | 6,804   | 14,090               | 28,740               | 14,650                                | 9,643                      |
| <b>Lamps and reflectors,<br/>not including electric<br/>bulbs</b>  | 1925                | 188  | 10,709                                 | 14,538  | 29,321               | 60,867               | 31,336                                | 16,310                     |
|  | 1923                | 185  | 10,604                                 | 13,443  | 26,674               | 57,239               | 30,555                                | 16,716                     |
|  | 1914                | 151  | 7,184                                  | 4,173   | 8,012                | 16,638               | 8,626                                 | 5,570                      |
| <b>Needles, pins, hooks<br/>and eyes, and snap<br/>fasteners</b>   | 1925                | 48   | 5,860                                  | 5,866   | 5,926                | 18,174               | 12,248                                | 7,608                      |
|  | 1923                | 49   | 6,834                                  | 6,703   | 7,796                | 22,147               | 14,361                                | 10,367                     |
|  | 1914                | 49   | 5,339                                  | 2,507   | 3,262                | 7,891                | 4,649                                 | 4,798                      |
| <b>Gold and silver, leaf<br/>and foil</b>  | 1925                | 64   | 1,148                                  | 1,113   | 1,339                | 3,746                | 1,907                                 | 336                        |
|  | 1923                | 64   | 918                                    | 994     | 1,897                | 3,562                | 1,666                                 | 381                        |
|  | 1914                | 79   | 1,135                                  | 498     | 1,462                | 2,432                | 980                                   | 389                        |

For footnotes see p. 777.

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry  | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages                             | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|---|---------------------|--|--|-----------------------------------|----------------------|----------------------|---------------------------------------|----------------------------|
|   |                     |  |  | Expressed in thousands of dollars |                      |                      |                                       |                            |
| METALS, ETC.—Con.   |                     |  |  |                                   |                      |                      |                                       |                            |
| Jewelry.....  | 1925                | 1,468                                      | 23,837                                 | 35,177                            | 79,886               | 166,816              | 86,930                                | 17,296                     |
|   | 1923                | 1,622                                      | 26,354                                 | 36,424                            | 83,983               | 174,034              | 90,051                                | 16,851                     |
|   | 1914                | 1,914                                      | 28,289                                 | 18,302                            | 39,116               | 81,006               | 41,890                                | 13,862                     |
| Pens, gold.....   | 1925                | 13   | 226                                    | 299                               | 589                  | 1,115                | 526                                   | 121                        |
|   | 1923                | 15   | 428                                    | 658                               | 1,257                | 2,320                | 1,063                                 | 191                        |
|   | 1914                | 12   | 246                                    | 174                               | 302                  | 642                  | 340                                   | 138                        |
| Silversmithing and sil-<br>verware.   | 1925                | 93   | 5,587                                  | 8,607                             | 13,106               | 32,532               | 19,426                                | 7,770                      |
|   | 1923                | 98   | 4,972                                  | 7,330                             | 10,859               | 27,207               | 16,348                                | 7,284                      |
|   | 1914                | 108  | 7,070                                  | 4,795                             | 8,275                | 19,786               | 11,511                                | 7,899                      |
| Plated ware.....  | 1925                | 90   | 11,290                                 | 15,236                            | 20,071               | 54,330               | 34,259                                | 23,914                     |
|   | 1923                | 83   | 12,118                                 | 15,641                            | 19,814               | 53,899               | 34,085                                | 22,390                     |
|   | 1914                | 72   | 8,717                                  | 5,001                             | 8,304                | 18,484               | 10,180                                | 10,494                     |
| Tin and other foils, not<br>including gold and sil-<br>ver; collapsible tubes.    | 1925                | 26   | 3,618                                  | 4,001                             | 21,342               | 30,060               | 8,718                                 | 18,712                     |
|   | 1923                | 24   | 3,323                                  | 3,522                             | 14,515               | 23,465               | 8,950                                 | 12,595                     |
|   | 1914                | 14   | 1,031                                  | 528                               | 3,672                | 5,068                | 1,396                                 | 2,458                      |
| Electroplating.....   | 1925                | 449  | 3,337                                  | 5,254                             | 2,541                | 12,441               | 9,900                                 | 10,743                     |
|   | 1923                | 446  | 3,374                                  | 5,195                             | 2,613                | 12,297               | 9,684                                 | 9,506                      |
|   | 1914                | 479  | 2,584                                  | 1,713                             | 1,336                | 4,773                | 3,437                                 | 5,308                      |
| TOBACCO MANU-<br>FACTURES   |                     |  |  |                                   |                      |                      |                                       |                            |
| Tobacco: Chewing and<br>smoking, and snuff.                                       | 1925                | 178  | 15,024                                 | 12,185                            | 94,418               | 216,186              | 121,768                               | 17,541                     |
|   | 1923                | 206  | 16,301                                 | 12,739                            | 146,374              | 222,966              | 76,592                                | 18,621                     |
|   | 1921                | 226  | 16,628                                 | 12,742                            | 156,477              | 241,741              | 85,264                                | -----                      |
|   | 1919                | 365  | 18,324                                 | 12,675                            | 130,270              | 239,271              | 109,001                               | 18,893                     |
|   | 1914                | 436  | 25,980                                 | 9,550                             | 76,604               | 175,281              | 98,677                                | 21,273                     |
| Tobacco: Cigars and<br>cigarettes.  | 1925                | 2,445                                      | 117,108                                | 99,373                            | 331,351              | 874,815              | 543,464                               | 24,534                     |
|   | 1923                | 3,466                                      | 130,036                                | 107,723                           | 369,491              | 821,226              | 451,735                               | 24,894                     |
|   | 1921                | 4,146                                      | 133,357                                | 108,161                           | 452,212              | 806,749              | 354,537                               | -----                      |
|   | 1919                | 9,926                                      | 138,773                                | 111,313                           | 353,297              | 773,662              | 420,365                               | 24,497                     |
|   | 1914                | 13,515                                     | 152,892                                | 68,306                            | 130,530              | 314,884              | 184,354                               | 13,483                     |
| MACHINERY, EX-<br>CEPT TRANSPOR-<br>TATION EQUIP-<br>MENT                         |                     |  |  |                                   |                      |                      |                                       |                            |
| Agricultural imple-<br>ments.   | 1925                | 303  | 28,696                                 | 37,388                            | 73,850               | 169,468              | 95,618                                | 115,325                    |
|   | 1923                | 312  | 30,962                                 | 40,511                            | 63,492               | 151,286              | 87,794                                | 121,975                    |
|   | 1914                | 601  | 48,459                                 | 34,593                            | 73,509               | 164,087              | 90,578                                | 121,266                    |
| Cash registers and cal-<br>culating machines.                                     | 1925                | 41   | 13,296                                 | 21,142                            | 11,166               | 98,384               | 87,218                                | 14,016                     |
|   | 1923                | 37   | 14,971                                 | 22,775                            | 12,483               | 95,106               | 82,623                                | ( <sup>20</sup> )          |
|   | 1914                | 52   | 8,956                                  | 6,110                             | 3,992                | 30,520               | 26,528                                | 10,619                     |
| Electrical machinery,<br>apparatus, and sup-<br>plies.                            | 1925                | 1,739                                      | 239,921                                | 323,834                           | 636,692              | 1,540,002            | 903,310                               | 589,398                    |
|   | 1923                | 1,671                                      | 234,892                                | 305,455                           | 548,627              | 1,293,002            | 744,375                               | 480,268                    |
|   | 1921                | 1,333                                      | 161,204                                | 194,242                           | 344,070              | 833,985              | 489,915                               | -----                      |
|   | 1919                | 1,404                                      | 212,374                                | 238,189                           | 425,098              | 997,968              | 572,870                               | 438,082                    |
|   | 1914                | 1,030                                      | 118,078                                | 73,806                            | 154,728              | 335,170              | 180,442                               | 226,320                    |
| Engines and water<br>wheels.  | 1925                | 220  | 51,099                                 | 73,585                            | 145,784              | 313,588              | 167,804                               | 224,194                    |
|   | 1923                | 249  | 48,495                                 | 70,878                            | 124,543              | 266,998              | 142,455                               | 165,137                    |
|   | 1921                | 296  | 35,567                                 | 52,005                            | 111,698              | 199,499              | 87,801                                | -----                      |
|   | 1919                | 370  | 77,617                                 | 106,436                           | 217,551              | 464,775              | 247,224                               | 190,005                    |
|   | 1914                | 446  | 29,657                                 | 21,421                            | 31,460               | 72,121               | 40,661                                | 62,106                     |
| Foundry and machine-<br>shop products, not<br>elsewhere classified. <sup>20</sup> | 1925                | 8,154                                      | 397,838                                | 590,801                           | 883,708              | 2,232,966            | 1,349,278                             | 1,424,259                  |
|   | 1923                | 8,531                                      | 448,777                                | 642,431                           | 936,231              | 2,337,073            | 1,400,842                             | 1,234,326                  |
|   | 1921                | 9,013                                      | 321,363                                | 412,359                           | 653,364              | 1,565,527            | 912,163                               | -----                      |
|   | 1919                | 10,934                                     | 482,767                                | 622,571                           | 948,069              | 2,289,251            | 1,341,182                             | 1,040,265                  |
|   | 1914                | 10,640                                     | 362,471                                | 244,146                           | 358,122              | 866,545              | 508,423                               | 763,821                    |
| Gas machines and gas<br>and water meters.   | 1925                | 61   | 5,514                                  | 7,429                             | 13,038               | 34,292               | 21,254                                | 7,375                      |
|   | 1923                | 61   | 6,127                                  | 7,757                             | 14,332               | 34,250               | 19,918                                | 7,364                      |
|   | 1914                | 123  | 4,972                                  | 3,310                             | 6,118                | 15,184               | 9,066                                 | 5,681                      |

For footnotes see p. 777.

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages   | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|---------|----------------------|----------------------|---------------------------------------|----------------------------|
| Expressed in thousands of dollars  |                     |  |  |         |                      |                      |                                       |                            |
| <b>MACHINERY—Con.</b>  |                     |  |  |         |                      |                      |                                       |                            |
| Metal working ma-<br>chinery (including<br>machine tools) "A."                                     | 1925                | 378  | 36,825                                 | 55,932  | 54,534               | 175,092              | 121,005                               | 147,418                    |
|  | 1923                | 350  | 33,373                                 | 47,337  | 40,977               | 137,206              | 96,229                                | 109,196                    |
| Pumps (hand and<br>power) and pumping<br>equipment.  | 1925                | 258  | 17,935                                 | 26,278  | 50,328               | 120,148              | 69,620                                | 56,470                     |
|  | 1923                | 239  | 14,550                                 | 19,991  | 34,485               | 92,980               | 58,465                                | 38,286                     |
|  | 1914                | 183  | 8,322                                  | 6,555   | 9,459                | 24,214               | 14,755                                | 17,141                     |
| Scales and balances  | 1925                | 71   | 4,292                                  | 5,783   | 7,349                | 27,237               | 19,858                                | 9,771                      |
|  | 1923                | 65   | 4,345                                  | 5,300   | 6,598                | 24,157               | 17,562                                | 9,615                      |
|  | 1914                | 53   | 4,467                                  | 2,934   | 3,174                | 9,734                | 6,580                                 | 6,167                      |
| Sewing machines, cases,<br>and attachments.  | 1925                | 41   | 12,121                                 | 16,100  | 18,610               | 46,299               | 27,669                                | 27,439                     |
|  | 1923                | 40   | 12,435                                 | 17,605  | 17,768               | 45,967               | 28,304                                | 22,511                     |
|  | 1914                | 50   | 15,007                                 | 11,091  | 10,300               | 27,238               | 17,038                                | 24,019                     |
| Textile machinery and<br>parts. "B"  | 1925                | 379  | 27,909                                 | 37,464  | 34,037               | 121,553              | 82,616                                | 61,738                     |
|  | 1923                | 428  | 34,072                                 | 46,028  | 49,705               | 140,861              | 90,956                                | 58,286                     |
|  | 1919                | 432  | 31,823                                 | 36,529  | 45,636               | 122,089              | 76,453                                | 41,744                     |
| Typewriters and sup-<br>plies.   | 1925                | 70   | 14,909                                 | 18,903  | 15,157               | 63,080               | 47,923                                | 15,569                     |
|  | 1923                | 73   | 14,965                                 | 18,210  | 13,977               | 52,498               | 36,521                                | 11,431                     |
|  | 1914                | 107  | 11,001                                 | 6,937   | 5,501                | 24,500               | 18,999                                | 10,672                     |
| Washing machines,<br>clothes wringers, dry-<br>ers, and ironing ma-<br>chines for domestic<br>use. | 1925                | 82   | 7,077                                  | 9,900   | 22,748               | 69,568               | 34,820                                | 16,028                     |
|  | 1923                | 85   | 6,144                                  | 7,839   | 25,742               | 60,373               | 24,631                                | 11,413                     |
|  | 1914                | 111  | 2,302                                  | 1,221   | 4,149                | 7,000                | 3,461                                 | 4,895                      |
| Windmills and wind-<br>mill towers.  | 1925                | 16   | 1,391                                  | 1,630   | 3,376                | 7,984                | 4,608                                 | 3,379                      |
|  | 1923                | 16   | 1,101                                  | 1,431   | 2,592                | 6,311                | 3,719                                 | 2,732                      |
|  | 1914                | 31   | 1,955                                  | 1,232   | 2,553                | 5,496                | 2,941                                 | 3,997                      |
| <b>MUSICAL INSTRUMENTS AND<br/>PHONOGRAPHS</b>   |                     |  |  |         |                      |                      |                                       |                            |
| Musical instruments<br>and materials, not<br>elsewhere classified.                                 | 1925                | 100  | 4,556                                  | 6,520   | 5,575                | 20,330               | 14,755                                | 4,007                      |
|  | 1923                | 106  | 4,103                                  | 5,842   | 4,349                | 15,619               | 11,270                                | 3,830                      |
|  | 1914                | 241  | 1,831                                  | 1,101   | 1,023                | 3,625                | 2,002                                 | 1,765                      |
| Musical instruments<br>Organs and orches-<br>trions.   | 1925                | 57   | 2,480                                  | 3,610   | 3,749                | 12,383               | 8,584                                 | 3,923                      |
|  | 1923                | 59   | 1,855                                  | 2,662   | 2,803                | 9,603                | 6,800                                 | 2,902                      |
|  | 1914                | 85   | 3,063                                  | 1,998   | 2,000                | 6,297                | 3,637                                 | 3,066                      |
| Musical instruments.<br>Pianos.  | 1925                | 142  | 20,079                                 | 28,096  | 49,296               | 101,181              | 51,885                                | 26,912                     |
|  | 1923                | 160  | 22,208                                 | 30,679  | 54,179               | 111,190              | 56,981                                | 29,869                     |
|  | 1914                | 256  | 23,877                                 | 16,705  | 20,091               | 62,775               | 33,684                                | 23,626                     |
| Musical instruments.<br>Piano and organ ma-<br>terials.  | 1925                | 94   | 8,618                                  | 10,131  | 15,294               | 36,536               | 21,542                                | 13,734                     |
|  | 1923                | 99   | 9,672                                  | 11,943  | 17,019               | 38,838               | 21,819                                | 15,478                     |
|  | 1914                | 111  | 10,616                                 | 5,655   | 9,502                | 19,876               | 10,374                                | 14,369                     |
| Phonographs.....   | 1925                | 69   | 11,267                                 | 14,145  | 24,847               | 61,057               | 36,210                                | 43,782                     |
|  | 1923                | 111  | 20,491                                 | 24,970  | 45,250               | 107,311              | 62,061                                | 41,169                     |
|  | 1914                | 18   | 9,381                                  | 6,341   | 7,048                | 27,116               | 20,098                                | 11,696                     |
| <b>TRANSPORTATION<br/>EQUIPMENT</b>  |                     |  |  |         |                      |                      |                                       |                            |
| Motor vehicles, not in-<br>cluding motor cycles.   | 1925                | 297  | 197,725                                | 341,210 | 2,108,192            | 3,198,123            | 1,089,631                             | 509,735                    |
|  | 1923                | 351  | 241,356                                | 409,730 | 2,147,463            | 3,163,328            | 1,015,865                             | 435,345                    |
|  | 1921                | 385  | 143,658                                | 221,974 | 1,107,062            | 1,671,387            | 564,325                               | —                          |
|  | 1919                | 315  | 210,559                                | 312,166 | 1,578,652            | 2,387,903            | 809,251                               | 282,323                    |
|  | 1914                | 300  | 79,307                                 | 66,934  | 292,595              | 508,230              | 210,632                               | 104,999                    |
| Motor-vehicle bodies<br>and motor-vehicle<br>parts.  | 1925                | 1,358                                      | 228,382                                | 372,721 | 862,721              | 1,323,379            | 660,598                               | 662,255                    |
|  | 1923                | 2,120                                      | 163,530                                | 253,147 | 564,197              | 1,013,113            | 449,006                               | 423,096                    |
|  | 1921                | 1,974                                      | 89,119                                 | 96,779  | 213,965              | 408,017              | 194,062                               | —                          |
|  | 1919                | 2,515                                      | 132,556                                | 178,966 | 362,027              | 692,171              | 330,144                               | 256,770                    |
|  | 1914                | 971  | 47,786                                 | 34,993  | 63,610               | 129,601              | 65,991                                | 67,622                     |

For footnotes see p. 777.



## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry  | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages    | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|---|---------------------|--|--|----------|----------------------|----------------------|---------------------------------------|----------------------------|
| Expressed in thousands of dollars   |                     |  |  |          |                      |                      |                                       |                            |
| <b>TRANSPORTATION<br/>EQUIPMENT—Con.</b>  |                     |  |  |          |                      |                      |                                       |                            |
| Motor cycles, bicycles,<br>and parts.   | 1925                | 26   | 4, 198                                 | 5, 602   | 12, 177              | 24, 258              | 12, 081                               | 12, 608                    |
|   | 1923                | 30   | 6, 576                                 | 8, 010   | 18, 008              | 32, 259              | 14, 256                               | 14, 840                    |
|   | 1914                | 78   | 6, 680                                 | 4, 739   | 10, 928              | 22, 234              | 11, 306                               | 8, 718                     |
| Carrriages, wagons,<br>sleighs, and sleds. <sup>11</sup>                              | 1925                | 152  | 4, 635                                 | 5, 792   | 12, 860              | 24, 935              | 12, 075                               | 20, 440                    |
|   | 1923                | 368  | 8, 109                                 | 9, 319   | 18, 663              | 37, 373              | 18, 690                               | 26, 509                    |
|   | 1921                | 637  | 8, 025                                 | 9, 903   | 16, 894              | 33, 114              | 16, 230                               | —                          |
|   | 1919                | 2, 297                                     | 18, 464                                | 19, 664  | 49, 333              | 93, 143              | 43, 810                               | 41, 081                    |
|   | 1914                | 4, 622                                     | 41, 627                                | 26, 097  | 52, 002              | 107, 639             | 65, 037                               | 75, 439                    |
| Carrriage, wagon, sleigh,<br>and sled materials.                                      | 1925                | 81   | 1, 389                                 | 1, 216   | 2, 659               | 5, 118               | 2, 459                                | 8, 069                     |
|   | 1923                | 109  | 1, 983                                 | 1, 561   | 4, 004               | 7, 313               | 3, 309                                | 10, 647                    |
|   | 1914                | 458  | 11, 087                                | 6, 059   | 13, 546              | 24, 850              | 1, 304                                | 38, 195                    |
| Carrriages and sleds,<br>children's.  | 1925                | 56   | 6, 926                                 | 7, 924   | 13, 353              | 20, 173              | 16, 620                               | 9, 852                     |
|   | 1923                | 100  | 8, 324                                 | 8, 656   | 15, 936              | 24, 173              | 18, 237                               | 9, 376                     |
|   | 1914                | 92   | 5, 900                                 | 3, 181   | 5, 682               | 11, 752              | 6, 070                                | 5, 652                     |
| Aircraft and parts.....   | 1925                | 44   | 2, 701                                 | 4, 222   | 2, 870               | 12, 625              | 9, 655                                | 3, 735                     |
|   | 1923                | 33   | 2, 901                                 | 4, 322   | 3, 830               | 12, 945              | 9, 115                                | 5, 443                     |
|   | 1914                | 16   | 169                                    | 135      | 134                  | 790                  | 656                                   | 195                        |
| Locomotives, not made<br>in railroad repair<br>shops                                  | 1925                | 18   | 12, 609                                | 16, 219  | 41, 717              | 65, 369              | 23, 672                               | 114, 309                   |
|   | 1923                | 19   | 30, 672                                | 51, 867  | 124, 261             | 215, 363             | 91, 132                               | 91, 214                    |
|   | 1914                | 19   | 17, 391                                | 11, 085  | 23, 546              | 43, 374              | 19, 828                               | 50, 373                    |
| Cars, steam - railroad<br>and electric, not built<br>in railroad repair<br>shops      | 1925                | 141  | 50, 393                                | 77, 247  | 206, 063             | 390, 771             | 124, 718                              | 243, 934                   |
|   | 1923                | 139  | 60, 590                                | 129, 178 | 413, 660             | 604, 851             | 190, 691                              | 250, 102                   |
|   | 1921                | 116  | 48, 033                                | 70, 945  | 211, 938             | 340, 536             | 128, 598                              | —                          |
|   | 1919                | 106  | 55, 218                                | 82, 417  | 366, 144             | 556, 665             | 186, 521                              | 167, 160                   |
|   | 1914                | 117  | 58, 128                                | 43, 661  | 138, 550             | 205, 271             | 66, 721                               | 135, 896                   |
| Ship and boat building,<br>steel, including re-<br>pair work                          | 1925                | 118  | 38, 308                                | 56, 667  | 49, 556              | 132, 415             | 82, 867                               | 269, 463                   |
|   | 1923                | 125  | 51, 961                                | 76, 379  | 71, 905              | 177, 703             | 105, 798                              | 280, 373                   |
|   | 1914                | 79   | 33, 508                                | 25, 166  | 29, 270              | 66, 217              | 36, 947                               | 83, 706                    |
| Ship and boat building,<br>wooden, including re-<br>pair work                         | 1925                | 447  | 11, 916                                | 17, 568  | 16, 741              | 44, 767              | 28, 026                               | 44, 007                    |
|   | 1923                | 442  | 10, 326                                | 14, 349  | 12, 653              | 35, 829              | 22, 876                               | 37, 339                    |
|   | 1914                | 1, 068                                     | 10, 961                                | 7, 765   | 9, 327               | 22, 465              | 13, 138                               | 31, 408                    |
| <b>RAILROAD REPAIR<br/>SHOPS</b>  |                     |  |  |          |                      |                      |                                       |                            |
| Car and general con-<br>struction and repairs,<br>steam-railroad repair<br>shops.     | 1925                | 1, 842                                     | 425, 334                               | 619, 834 | 533, 908             | 1, 248, 867          | 714, 959                              | 671, 769                   |
|   | 1923                | 1, 801                                     | 488, 505                               | 723, 742 | 599, 377             | 1, 433, 680          | 834, 303                              | 735, 635                   |
|   | 1921                | 1, 768                                     | 385, 006                               | 634, 181 | 473, 011             | 1, 180, 080          | 707, 019                              | —                          |
|   | 1919                | 1, 744                                     | 494, 437                               | 687, 618 | 515, 903             | 1, 279, 235          | 763, 432                              | 591, 070                   |
|   | 1914                | 1, 362                                     | 339, 518                               | 234, 505 | 243, 829             | 514, 041             | 270, 212                              | 432, 904                   |
| Car and general con-<br>struction and repairs,<br>electric-railroad re-<br>pair shops | 1925                | 521  | 32, 521                                | 46, 356  | 29, 728              | 63, 512              | 54, 074                               | 70, 479                    |
|   | 1923                | 547  | 34, 925                                | 49, 226  | 31, 982              | 66, 413              | 54, 431                               | 62, 370                    |
|   | 1914                | 649  | 26, 384                                | 18, 645  | 17, 609              | 28, 377              | 20, 968                               | 44, 989                    |
| <b>MISCELLANEOUS<br/>INDUSTRIES<sup>12</sup></b>                                      |                     |  |  |          |                      |                      |                                       |                            |
| Artificial and preserved<br>flowers and plants  | 1925                | 187  | 4, 305                                 | 4, 287   | 7, 265               | 17, 824              | 10, 559                               | 737                        |
|   | 1923                | 223  | 4, 696                                 | 4, 502   | 8, 692               | 19, 650              | 10, 958                               | 647                        |
|   | 1914                | 217  | 4, 808                                 | 1, 991   | 3, 207               | 7, 614               | 4, 407                                | 227                        |
| Artificial limbs .....  | 1925                | 128  | 362                                    | 794      | 627                  | 3, 021               | 2, 394                                | 955                        |
|   | 1923                | 108  | 498                                    | 711      | 613                  | 2, 635               | 2, 022                                | 692                        |
|   | 1914                | 153  | 488                                    | 369      | 316                  | 1, 496               | 1, 182                                | 569                        |
| Artists' materials .....  | 1925                | 62   | 1, 317                                 | 1, 508   | 3, 802               | 8, 321               | 4, 519                                | 2, 962                     |
|   | 1923                | 61   | 1, 411                                 | 1, 747   | 4, 355               | 8, 639               | 4, 394                                | 4, 902                     |
|   | 1914                | 44   | 604                                    | 315      | 2, 065               | 2, 238               | 1, 173                                | 1, 600                     |

For footnotes see p. 777.

No. 767.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry  | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages  | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|---|---------------------|--|--|--------|----------------------|----------------------|---------------------------------------|----------------------------|
|   |                     |  |  |        |                      |                      |                                       |                            |
| MISCELLANEOUS—<br>Continued   |                     |  |  |        |                      |                      |                                       |                            |
| Brooms.....   | 1925                | 431  | 4,734                                  | 4,454  | 11,313               | 21,714               | 10,401                                | 5,300                      |
|   | 1923                | 444  | 4,730                                  | 4,439  | 14,094               | 20,339               | 11,326                                | 4,990                      |
|   | 1914                | 806  | 6,043                                  | 2,034  | 7,804                | 14,085               | 6,201                                 | 4,446                      |
| Brushes, other than<br>rubber.  | 1925                | 202  | 7,336                                  | 8,433  | 21,000               | 45,904               | 20,808                                | 14,700                     |
|   | 1923                | 200  | 8,719                                  | 9,208  | 21,879               | 50,512               | 24,023                                | 14,700                     |
|   | 1914                | 380  | 7,212                                  | 2,401  | 9,337                | 17,804               | 8,867                                 | 1,700                      |
| Buttons.....  | 1925                | 250  | 11,512                                 | 10,308 | 12,273               | 22,400               | 20,095                                | 15,040                     |
|   | 1923                | 230  | 11,800                                 | 11,220 | 12,209               | 22,780               | 19,880                                | 15,304                     |
|   | 1914                | 517  | 14,511                                 | 6,494  | 8,702                | 20,713               | 12,910                                | 14,000                     |
| Combs and hairpins,<br>not made from metal<br>or rubber.  | 1925                | 44   | 1,303                                  | 1,200  | 2,304                | 5,370                | 2,020                                 | 1,000                      |
|   | 1923                | 42   | 2,144                                  | 2,237  | 4,898                | 6,770                | 4,187                                 | 1,000                      |
|   | 1914                | 66   | 2,772                                  | 1,000  | 2,003                | 3,478                | 2,026                                 | 2,000                      |
| Dairymen's supplies;<br>creamery, cheese-fac-<br>tory, and butter-fac-<br>tory equipment; and<br>poultrymen's and<br>apiculturists' supplies. | 1925                | 180  | 4,844                                  | 6,304  | 15,431               | 27,303               | 21,842                                | 14,730                     |
|   | 1923                | 193  | 5,708                                  | 6,043  | 17,857               | 20,408               | 21,876                                | 14,200                     |
|   | 1914                | 206  | 5,551                                  | 2,342  | 9,348                | 18,900               | 6,708                                 | 11,000                     |
| Dental goods.....   | 1925                | 200  | 5,206                                  | 6,122  | 21,124               | 20,700               | 17,645                                | 4,300                      |
|   | 1923                | 202  | 4,008                                  | 5,090  | 17,160               | 22,423               | 15,205                                | 2,700                      |
|   | 1914                | 172  | 2,080                                  | 1,616  | 10,715               | 16,180               | 5,445                                 | 1,000                      |
| Enameling and Japa-<br>ning.  | 1925                | 96   | 1,560                                  | 2,170  | 2,260                | 5,906                | 4,840                                 | 2,775                      |
|   | 1923                | 83   | 1,215                                  | 1,712  | 1,522                | 5,448                | 3,020                                 | 2,700                      |
|   | 1914                | 112  | 1,542                                  | 708    | 1,064                | 2,547                | 1,422                                 | 1,715                      |
| Fancy and miscellane-<br>ous articles, not else-<br>where classified.   | 1925                | 532  | 14,552                                 | 14,900 | 29,155               | 60,700               | 40,614                                | 9,071                      |
|   | 1923                | 542  | 13,522                                 | 13,712 | 26,581               | 62,208               | 34,677                                | 8,000                      |
|   | 1914                | 493  | 7,300                                  | 3,567  | 8,439                | 17,650               | 9,280                                 | 4,405                      |
| Feathers, plumes, and<br>manufactures thereof.  | 1925                | 70   | 888                                    | 976    | 1,881                | 4,179                | 2,206                                 | 324                        |
|   | 1923                | 121  | 1,712                                  | 1,968  | 3,400                | 7,967                | 4,467                                 | 420                        |
|   | 1914                | 230  | 4,482                                  | 1,988  | 6,102                | 11,451               | 5,340                                 | 1,000                      |
| Foundry supplies.....   | 1925                | 66   | 1,087                                  | 1,360  | 6,904                | 12,728               | 5,819                                 | 10,725                     |
|   | 1923                | 64   | 906                                    | 1,162  | 4,822                | 10,248               | 5,425                                 | 7,700                      |
|   | 1914                | 57   | 555                                    | 301    | 907                  | 2,013                | 1,016                                 | 4,000                      |
| Fuel, manufactured....  | 1925                | 14   | 246                                    | 300    | 2,935                | 6,019                | 2,064                                 | 8,573                      |
|   | 1923                | 15   | 364                                    | 511    | 3,907                | 5,594                | 1,677                                 | 7,022                      |
|   | 1914                | 14   | 141                                    | 112    | 600                  | 863                  | 354                                   | 2,443                      |
| Fur goods.....  | 1925                | 2,000                                      | 16,556                                 | 25,164 | 150,216              | 254,266              | 94,050                                | 4,935                      |
|   | 1923                | 1,758                                      | 14,430                                 | 27,923 | 126,162              | 198,043              | 71,881                                | 4,200                      |
|   | 1921                | 1,707                                      | 12,052                                 | 22,421 | 84,537               | 120,306              | 54,820                                | 4,000                      |
|   | 1919                | 1,815                                      | 12,039                                 | 24,140 | 105,507              | 172,138              | 67,541                                | 3,227                      |
|   | 1914                | 1,222                                      | 9,080                                  | 6,235  | 23,847               | 42,632               | 19,705                                | 2,225                      |
| Furs, dressed.....  | 1925                | 133  | 5,056                                  | 8,206  | 7,207                | 25,423               | 18,126                                | 9,825                      |
|   | 1923                | 162  | 6,203                                  | 8,381  | 7,242                | 25,467               | 18,226                                | 7,770                      |
|   | 1914                | 96   | 1,525                                  | 923    | 906                  | 2,875                | 1,900                                 | 2,207                      |
| Hair work.....  | 1925                | 85   | 564                                    | 975    | 3,046                | 6,090                | 3,044                                 | 13                         |
|   | 1923                | 113  | 1,317                                  | 1,362  | 3,508                | 11,264               | 5,906                                 | 17                         |
|   | 1914                | 206  | 1,193                                  | 581    | 1,520                | 2,235                | 1,806                                 | 60                         |
| Hand stamps and sten-<br>cils and brands.   | 1925                | 323  | 2,980                                  | 4,015  | 4,070                | 15,321               | 11,251                                | 2,456                      |
|   | 1923                | 256  | 2,312                                  | 3,035  | 3,103                | 11,131               | 8,028                                 | 2,571                      |
|   | 1914                | 384  | 1,707                                  | 1,140  | 1,425                | 4,486                | 3,061                                 | 1,255                      |
| Hats, straw.....  | 1925                | 83   | 5,920                                  | 5,822  | 15,176               | 20,154               | 12,976                                | 2,541                      |
|   | 1923                | 97   | 6,812                                  | 7,522  | 16,241               | 22,560               | 16,228                                | 2,673                      |
|   | 1914                | 149  | 9,483                                  | 5,253  | 14,080               | 25,444               | 11,256                                | 3,104                      |
| Instruments, profes-<br>sional and scientific.  | 1925                | 223  | 12,129                                 | 16,160 | 20,428               | 70,339               | 55,911                                | 17,505                     |
|   | 1923                | 258  | 12,775                                 | 15,502 | 18,040               | 62,074               | 45,034                                | 16,200                     |
|   | 1914                | 307  | 7,107                                  | 4,652  | 5,582                | 17,495               | 11,912                                | 4,221                      |

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry  | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages                             | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|---|---------------------|--|--|-----------------------------------|----------------------|----------------------|---------------------------------------|----------------------------|
|   |                     |  |  | Expressed in thousands of dollars |                      |                      |                                       |                            |
| MISCELLANEOUS—<br>Continued   |                     |  |  |                                   |                      |                      |                                       |                            |
| Ivory, shell, and bone<br>work, not including<br>buttons, combs, or<br>hairpins.  | 1925                | 20   | 488                                    | 555                               | 727                  | 1,879                | 1,152                                 | 892                        |
|   | 1923                |  | 603                                    | 668                               | 1,121                | 2,441                | 1,330                                 | 880                        |
|   | 1914                |  | 796                                    | 391                               | 958                  | 1,998                | 938                                   | 680                        |
| Jewelry and instru-<br>ment cases.  | 1925                | 125  | 2,748                                  | 2,730                             | 3,833                | 10,114               | 6,381                                 | 2,480                      |
|   | 1923                | 111  | 2,977                                  | 2,904                             | 4,417                | 10,506               | 6,080                                 | 1,632                      |
|   | 1914                | 125  | 2,898                                  | 1,094                             | 1,450                | 3,621                | 2,171                                 | 1,012                      |
| Lapidary work.....  | 1925                | 83   | 590                                    | 1,295                             | 7,273                | 10,123               | 2,850                                 | 515                        |
|   | 1923                | 87   | 644                                    | 1,286                             | 5,837                | 9,130                | 3,343                                 | 546                        |
|   | 1914                | 89   | 584                                    | 641                               | 3,941                | 5,360                | 1,419                                 | 534                        |
| Mattresses and bed<br>springs, not else-<br>where classified.   | 1925                | 1,016                                      | 14,403                                 | 17,430                            | 62,480               | 110,717              | 48,228                                | 32,840                     |
|   | 1923                | 1,015                                      | 14,103                                 | 16,473                            | 61,477               | 107,562              | 46,085                                | 30,394                     |
|   | 1914                | 1,000                                      | 11,747                                 | 6,738                             | 22,399               | 38,717               | 16,318                                | 20,694                     |
| Models and patterns,<br>not including paper<br>patterns.  | 1925                | 689  | 5,303                                  | 9,430                             | 4,927                | 22,485               | 17,558                                | 10,473                     |
|   | 1923                | 697  | 5,813                                  | 9,766                             | 11,188               | 30,85                | 18,977                                | 12,072                     |
|   | 1914                | 762  | 4,274                                  | 3,108                             | 2,045                | 8,605                | 6,500                                 |                            |
| Motion pictures, not<br>including projection<br>in theaters. <sup>24</sup>  | 1925                | 132  | 5,573                                  |                                   | 32,256               | 98,636               | 60,378                                | 29,472                     |
|   | 1923                | 97   | 6,408                                  | 16,601                            | 20,657               | 86,418               | 56,761                                | 15,476                     |
|   | 1919                | 50   | 3,646                                  | 6,709                             | 19,579               | 36,705               | 17,126                                | 4,160                      |
| Optical goods. ....   | 1925                | 117  | 8,642                                  | 10,439                            | 9,997                | 32,656               | 22,656                                | 11,017                     |
|   | 1923                | 457  | 12,306                                 | 14,338                            | 19,112               | 54,462               | 35,350                                | 13,397                     |
|   | 1914                | 314  | 7,919                                  | 4,649                             | 6,606                | 18,188               | 11,682                                | 7,710                      |
| Paving materials, other<br>than brick.  | 1925                | 604  | 17,941                                 | 22,368                            | 23,435               | 90,630               | 57,195                                | 207,499                    |
|   | 1923                | 627  | 19,442                                 | 22,109                            | 24,842               | 71,456               | 46,614                                | 197,200                    |
|   | 1914                | 609  | 19,540                                 | 11,184                            | 14,163               | 35,678               | 21,516                                | 137,893                    |
| Pencils, lead.....  | 1925                | 25   | 5,636                                  | 6,081                             | 9,169                | 25,061               | 15,882                                | 8,209                      |
|   | 1923                | 20   | 5,827                                  | 5,540                             | 8,659                | 34,666               | 15,909                                | 7,288                      |
|   | 1914                | 14   | 4,330                                  | 1,944                             | 4,664                | 8,328                | 3,764                                 | 3,728                      |
| Pens, fountain and<br>stylographic.   | 1925                | 60   | 3,490                                  | 4,055                             | 7,741                | 24,036               | 16,295                                | 3,212                      |
|   | 1923                | 53   | 3,398                                  | 3,659                             | 7,909                | 20,239               | 12,330                                | 2,710                      |
|   | 1914                | 55   | 1,154                                  | 718                               | 1,614                | 6,865                | 5,251                                 | 1,157                      |
| Photographic appara-<br>tus and materials.  | 1925                | 118  | 9,164                                  | 13,300                            | 25,779               | 76,654               | 52,875                                | 22,966                     |
|   | 1923                | 111  | 9,905                                  | 13,234                            | 19,253               | 71,828               | 52,575                                | 34,791                     |
|   | 1914                | 146  | 8,674                                  | 5,545                             | 11,539               | 39,061               | 27,502                                | 16,439                     |
| Pipes (tobacco) and<br>cigar and cigarette<br>holders.  | 1925                | 28   | 1,970                                  | 2,291                             | 2,718                | 7,299                | 4,581                                 | 2,052                      |
|   | 1923                | 30   | 2,402                                  | 2,720                             | 3,828                | 9,705                | 5,877                                 | 2,254                      |
|   | 1914                | 47   | 2,354                                  | 1,188                             | 2,308                | 4,230                | 1,912                                 | 1,641                      |
| Roofing materials, not<br>including wood, slate,<br>burnt tile, asbestos,<br>or metal other than<br>metal shingles and<br>ceilings. | 1925                | 140  | 8,310                                  | 12,145                            | 78,997               | 123,691              | 44,994                                | 34,161                     |
|   | 1923                | 122  | 7,665                                  | 10,826                            | 55,520               | 84,342               | 38,822                                | 29,508                     |
|   | 1914                | 170  | 4,088                                  | 2,642                             | 17,605               | 27,978               | 10,373                                | 11,702                     |
| Sandpaper, emery pa-<br>per, and other abra-<br>sive paper and cloth.   | 1925                | 12   | 1,380                                  | 1,714                             | 7,342                | 15,628               | 8,281                                 | 4,513                      |
|   | 1923                | 14   | 1,176                                  | 1,519                             | 6,870                | 13,753               | 6,883                                 | 3,694                      |
|   | 1914                | 13   | 687                                    | 359                               | 2,686                | 4,328                | 1,642                                 | 3,092                      |
| Signs and advertising<br>novelties.   | 1925                | 759  | 15,128                                 | 20,764                            |                      | 89,060               | 63,811                                | 12,650                     |
|   | 1923                | 648  | 12,968                                 | 16,429                            | 22,641               | 67,224               | 44,563                                | 11,781                     |
|   | 1914                | 776  | 9,566                                  | 5,933                             | 9,069                | 34,792               | 15,733                                | 7,345                      |
| Soda-water apparatus..  | 1925                | 69   | 2,372                                  | 3,626                             | 8,632                | 22,082               | 13,400                                | 4,180                      |
|   | 1923                | 66   | 2,659                                  | 3,779                             | 6,712                | 18,169               | 11,457                                | 4,238                      |
|   | 1914                | 67   | 2,239                                  | 1,661                             | 3,883                | 8,781                | 4,608                                 | 3,705                      |
| Sporting and athletic<br>goods, not including<br>firearms or ammuni-<br>tion.   | 1925                | 181  | 8,794                                  | 10,262                            | 17,874               | 42,629               | 24,756                                | 11,660                     |
|   | 1923                | 170  | 9,693                                  | 10,440                            | 18,493               | 41,797               | 28,304                                | 11,091                     |
|   | 1914                | 162  | 5,602                                  | 2,771                             | 6,962                | 13,235               | 6,282                                 | 4,116                      |

For footnotes see p. 777.

## No. 757.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry   | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages                             | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|--|---------------------|--|--|-----------------------------------|----------------------|----------------------|---------------------------------------|----------------------------|
|  |                     |  |  | Expressed in thousands of dollars |                      |                      |                                       |                            |
| MISCELLANEOUS—<br>Continued  |                     |  |  |                                   |                      |                      |                                       |                            |
| Stationery goods, not<br>elsewhere classified.   | 1925                | 217  | 11,399                                 | 12,076                            | 31,108               | 67,809               | 36,701                                | 10,970                     |
|  | 1923                | 225  | 13,314                                 | 14,628                            | 34,714               | 77,689               | 42,975                                | 11,539                     |
|  | 1914                | 189  | 7,728                                  | 3,791                             | 10,763               | 21,903               | 11,140                                | 5,687                      |
| Steam and other pack-<br>ing, pipe and boiler<br>covering, and gaskets,<br>not made in textile<br>mills. | 1925                | 172  | 6,086                                  | 8,072                             | 20,372               | 43,871               | 23,499                                | 20,113                     |
|  | 1923                | 142  | 5,064                                  | 6,432                             | 15,849               | 32,991               | 17,142                                | 17,671                     |
|  | 1914                | 149  | 4,213                                  | 2,525                             | 8,176                | 14,213               | 6,087                                 | 17,165                     |
| Surgical appliances.....   | 1925                | 180  | 5,888                                  | 6,043                             | 26,187               | 55,264               | 29,077                                | 11,572                     |
|  | 1923                | 178  | 5,375                                  | 5,597                             | 23,662               | 44,968               | 21,306                                | 9,290                      |
|  | 1914                | 238  | 4,282                                  | 2,211                             | 7,098                | 14,920               | 7,822                                 | 6,339                      |
| Theatrical scenery and<br>stage equipment.   | 1925                | 33   | 391                                    | 854                               | 1,520                | 3,578                | 2,058                                 | 413                        |
|  | 1923                | 17   | 210                                    | 430                               | 635                  | 1,626                | 991                                   | 162                        |
|  | 1914                | 7  | 88                                     | 89                                | 125                  | 327                  | 202                                   | 65                         |
| Toys (not including<br>children's wheel<br>goods or sleds),<br>games, and play-<br>ground equipment.     | 1925                | 363  | 14,162                                 | 14,312                            | 23,398               | 58,317               | 34,919                                | 20,744                     |
|  | 1923                | 411  | 14,484                                 | 13,901                            | 23,829               | 56,066               | 32,237                                | 16,111                     |
|  | 1914                | 290  | 7,887                                  | 3,499                             | 5,779                | 13,757               | 7,978                                 | 6,719                      |
| Umbrellas, parasols,<br>and canes.   | 1925                | 176  | 3,731                                  | 3,696                             | 16,594               | 27,299               | 10,706                                | 3,027                      |
|  | 1923                | 187  | 3,776                                  | 3,739                             | 18,000               | 28,395               | 10,395                                | 2,409                      |
|  | 1914                | 265  | 4,792                                  | 2,167                             | 8,592                | 13,813               | 5,221                                 | 2,544                      |
| Whips.....   | 1925                | 9  | 103                                    | 73                                | 132                  | 308                  | 176                                   | 158                        |
|  | 1923                | 12   | 200                                    | 181                               | 302                  | 742                  | 440                                   | 334                        |
|  | 1914                | 40   | 1,163                                  | 559                               | 1,341                | 3,162                | 1,821                                 | 1,071                      |
| Window shades and<br>fixtures.   | 1925                | 336  | 5,176                                  | 6,208                             | 25,030               | 41,658               | 16,628                                | 11,151                     |
|  | 1923                | 305  | 5,957                                  | 6,826                             | 29,521               | 47,640               | 18,119                                | 11,470                     |
|  | 1914                | 286  | 4,077                                  | 2,181                             | 11,889               | 17,444               | 5,555                                 | 6,594                      |
| All other industries <sup>18</sup> ..  | 1923                | 5  | 633                                    | 1,014                             | 13,636               | 15,526               | 1,890                                 | 1,340                      |
|  | 1921                | 16   | 1,506                                  | 2,076                             | 9,886                | 16,246               | 6,360                                 | -----                      |
|  | 1919                | 95   | 17,004                                 | 25,086                            | 130,717              | 208,601              | 77,884                                | 97,766                     |
|  | 1914                | 82   | 6,486                                  | 4,720                             | 64,062               | 76,504               | 12,442                                | 11,900                     |

<sup>1</sup> At the census of 1923 a number of important establishments failed to make returns, consequently the figures for this year are incomplete and are not comparable with those of 1925 or those prior to 1923.

<sup>2</sup> No data for the coffee and spice, roasting and grinding industry were tabulated at the census for 1925, therefore statistics for the earlier years have been adjusted by deducting the figures for this industry.

<sup>3</sup> Includes cereal beverages ("near beer" and similar soft drinks) for 1925, 1923, and 1921, but not for earlier years.

<sup>4</sup> The manufacture of asbestos textiles, formerly treated as an industry in this group is now classified as a branch of the "Asbestos products, other than steam packing or pipe and boiler covering" industry, p. 768, therefore data have been excluded from statistics for textile mill products for 1923 and earlier years.

<sup>5</sup> Because of a change in classification no comparable statistics can be given for prior years.

<sup>6</sup> "Gloves and mittens, cloth" included in "furnishing goods, men's," for 1914.

<sup>7</sup> Formerly reported as "clothing, horse."

<sup>8</sup> "Asphalted-felt-base floor coverings" included in "linoleum" for 1914.

<sup>9</sup> Includes "oakum" for 1923 and 1914.

<sup>10</sup> Similar products are manufactured to a large extent by steel works and rolling mills. The figures here given refer only to establishments engaged primarily in the manufacture of the specified classes of products.

<sup>11</sup> Included in "foundry and machine shop products" for 1914. (See p. 771.)

<sup>12</sup> Data for establishments engaged in job welding are included in the figures for 1923 and earlier years, but are not included for 1925, as job welding establishments were not canvassed for that year.

<sup>13</sup> "Tin plate and terneplate" are treated as products of the "Iron and steel, steel works, and rolling mills" industry.

<sup>14</sup> Classified in other industries for 1925.

<sup>15</sup> Includes "show cases" and "store and office fixtures."

<sup>16</sup> Formerly reported as "looking-glass and picture frames."

<sup>17</sup> "Rubber goods not elsewhere classified" includes data formerly classified as "belting, rubber," for 1914 to 1923. For 1919 and 1914 also includes "rubber tires and inner tubes," data for which were not specifically called for at those censuses.

<sup>18</sup> The manufacture of engravers' materials, formerly included with miscellaneous industries, is now classified with industries relating to printing and publishing. The statistics for 1923 and earlier years have been revised accordingly.

<sup>19</sup> Includes 183 establishments classified under "Coal-tar products" for 1919.

<sup>20</sup> "Rayon" included in "Chemicals not elsewhere classified" for 1923 and prior years.

<sup>21</sup> As to effect of the prohibition amendment, see note 5 to Table 756, p. 752. At the 1919 and 1921 censuses the malt-liquor industry was confined to cereal beverages (near beer and similar soft drinks) and in 1923 these were included under "Beverages." (See p. 756.)

<sup>22</sup> See footnote, 4.

<sup>23</sup> For 1914 "millstones" are included in "all other industries," p. 776.

<sup>24</sup> Formerly reported "Brick and tile, terra cotta, and fire-clay products."

<sup>25</sup> Includes data for bells, shown as a separate industry under "Metal Products" in previous reports.

<sup>26</sup> Not separately reported in 1914.

<sup>27</sup> None reported for 1925.

<sup>28</sup> Figures for 1925 not strictly comparable with those for 1923 due to the classification of the reports of several establishments in other industries.

<sup>29</sup> No comparable data.

<sup>30</sup> "Foundry and machine-shop products not elsewhere classified" include for 1914: "Iron and steel, processed," "machine tools," "steel barrels, kegs, and drums," and "textile machinery and parts," data for which were not specifically called for at that census.

<sup>31</sup> Figures for 1923 not strictly comparable with those for 1925 because of changes in classification.

<sup>32</sup> Data for establishments engaged solely in repair work are included for 1921, 1919, and 1914 but not for 1925 and 1923. The differences between the figures for 1923, 1921, 1919, and 1914 and those published in previous reports are due to the inclusion here and the exclusion from the previous reports of data for wheelbarrows.

<sup>33</sup> See footnote, 18.

<sup>34</sup> "Motion pictures, not including projections in theaters" includes for 1919 data formerly reported as "motion picture projection films," a subclassification of "photographic materials."

<sup>35</sup> At the census for 1925 it was possible, without disclosing the operations of individual establishments, to classify all establishments in the appropriate industries, and therefore no "All other industries" items are shown for 1925. For preceding census years the distribution was as follows: For 1923, "pulp from fiber other than wood," 2 establishments; "tin plate andterneplate, not made in rolling mills," 3. For 1921, "butter, reworking," 3; "oakum," 2; "ordnance and accessories," 3; "pulp, from fiber other than wood," 4; "tin plate andterneplate," 4. For 1919, "butter, reworking," 5; "ferroalloys," 30; "ordnance and accessories," 26; "pulp, from fiber other than wood," 5; "straw goods, not elsewhere classified," 1; "tin plate andterneplate," 24; "whalebone cutting," 1; and "wood carpet," 3. For 1914, "butter, reworking," 17; "millstones," 2; "ordnance and accessories," 2; "pulp from fiber, other than wood," 3; "pulp wood," 20; "tin plate andterneplate," 31; "whalebone cutting," 1; and "wood carpet," 6.

Source: Bureau of the Census, Department of Commerce.

## No. 758.—MANUFACTURES IN CITIES HAVING

[Note.—All figures except number of wage earners in thousands of dollars. As to comparability of 1923 roasting and grinding, excluded for 1923 and 1925. The 1923

| City and State        | Average number of wage earners |         |         |         | Wages (thousands of dollars) |         |         |         |
|-----------------------|--------------------------------|---------|---------|---------|------------------------------|---------|---------|---------|
|                       | 1914                           | 1919    | 1923    | 1925    | 1914                         | 1919    | 1923    | 1925    |
| Akron, Ohio           | 24,680                         | 65,054  | 44,908  | 52,546  | 17,310                       | 94,779  | 71,284  | 80,476  |
| Albany, N. Y.         | 9,371                          | 11,210  | 10,504  | 9,809   | 5,835                        | 10,872  | 13,792  | 12,883  |
| Atlanta, Ga.          | 12,588                         | 15,739  | 16,005  | 18,208  | 6,094                        | 14,512  | 18,110  | 17,843  |
| Baltimore, Md.        | 73,769                         | 97,814  | 90,041  | 85,797  | 35,509                       | 103,129 | 98,503  | 93,812  |
| Birmingham, Ala.      | 10,863                         | 17,264  | 14,772  | 16,064  | 6,505                        | 14,894  | 16,564  | 18,120  |
| Boston, Mass.         | 78,894                         | 88,759  | 82,450  | 77,334  | 49,444                       | 90,401  | 107,256 | 108,812 |
| Bridgeport, Conn.     | 30,042                         | 42,862  | 33,207  | 28,763  | 18,929                       | 51,812  | 37,882  | 34,904  |
| Buffalo, N. Y.        | 54,416                         | 75,898  | 70,054  | 66,015  | 34,818                       | 95,762  | 96,634  | 90,000  |
| Cambridge, Mass.      | 16,749                         | 22,550  | 25,574  | 21,945  | 10,217                       | 22,842  | 30,990  | 27,409  |
| Camden, N. J.         | 22,541                         | 40,906  | 27,842  | 22,700  | 12,978                       | 53,690  | 33,413  | 29,175  |
| Chicago, Ill.         | 313,710                        | 403,942 | 284,789 | 370,041 | 212,787                      | 507,754 | 570,680 | 563,636 |
| Cincinnati, Ohio      | 59,861                         | 69,680  | 65,326  | 63,715  | 33,159                       | 68,650  | 78,399  | 80,908  |
| Cleveland, Ohio       | 103,317                        | 157,730 | 141,466 | 132,852 | 67,351                       | 211,206 | 205,222 | 201,378 |
| Columbus, Ohio        | 17,236                         | 20,751  | 27,555  | 24,590  | 11,177                       | 30,979  | 37,199  | 32,272  |
| Dallas, Tex.          | 5,284                          | 7,913   | 8,101   | 9,412   | 3,464                        | 7,963   | 9,378   | 11,106  |
| Dayton, Ohio          | 24,061                         | 31,131  | 29,605  | 29,341  | 14,076                       | 39,680  | 41,779  | 43,605  |
| Denver, Colo.         | 11,062                         | 16,635  | 15,465  | 16,077  | 7,942                        | 19,342  | 19,762  | 19,971  |
| Des Moines, Iowa      | 6,306                          | 7,085   | 9,358   | 8,007   | 3,560                        | 7,559   | 12,665  | 11,458  |
| Detroit, Mich.        | 99,603                         | 167,016 | 170,990 | 172,742 | 69,447                       | 246,434 | 282,672 | 283,806 |
| Fall River, Mass.     | 36,834                         | 37,015  | 37,018  | 30,596  | 16,131                       | 30,514  | 35,509  | 28,241  |
| Fort Worth, Tex.      | 2,308                          | 4,452   | 6,240   | 6,908   | 1,542                        | 5,082   | 7,545   | 8,492   |
| Grand Rapids, Mich.   | 17,427                         | 23,548  | 24,033  | 25,479  | 10,298                       | 26,170  | 32,609  | 36,254  |
| Hartford, Conn.       | 17,137                         | 26,264  | 23,811  | 21,758  | 11,312                       | 31,441  | 30,354  | 29,828  |
| Houston, Tex.         | 5,607                          | 9,590   | 9,145   | 9,007   | 3,590                        | 10,402  | 11,767  | 10,868  |
| Indianapolis, Ind.    | 30,971                         | 49,977  | 45,752  | 41,805  | 19,042                       | 52,410  | 64,299  | 51,394  |
| Jersey City, N. J.    | 31,021                         | 36,981  | 33,264  | 30,607  | 17,651                       | 42,613  | 44,736  | 42,496  |
| Kansas City, Kans.    | 13,095                         | 22,839  | 16,264  | 14,137  | 8,176                        | 27,130  | 19,460  | 17,575  |
| Kansas City, Mo.      | 16,252                         | 22,187  | 22,717  | 25,576  | 10,504                       | 23,742  | 28,524  | 32,864  |
| Los Angeles, Calif.   | 23,744                         | 47,118  | 54,270  | 58,026  | 18,277                       | 55,111  | 81,236  | 85,736  |
| Louisville, Ky.       | 25,930                         | 29,902  | 37,549  | 37,672  | 14,196                       | 28,656  | 42,065  | 43,155  |
| Lowell, Mass.         | 29,904                         | 30,111  | 37,162  | 21,570  | 14,092                       | 29,865  | 28,256  | 21,179  |
| Memphis, Tenn.        | 8,389                          | 11,963  | 10,508  | 9,968   | 4,901                        | 10,482  | 10,836  | 11,319  |
| Milwaukee, Wis.       | 61,839                         | 84,222  | 74,393  | 77,432  | 36,270                       | 89,921  | 93,235  | 105,123 |
| Minneapolis, Minn.    | 28,295                         | 38,154  | 33,349  | 31,730  | 18,895                       | 41,275  | 41,060  | 40,311  |
| Nashville, Tenn.      | 8,573                          | 10,666  | 11,583  | 10,549  | 4,321                        | 9,362   | 10,655  | 9,691   |
| New Bedford, Mass.    | 33,343                         | 41,630  | 37,917  | 35,696  | 16,558                       | 40,012  | 41,146  | 37,100  |
| New Haven, Conn.      | 24,993                         | 30,574  | 26,106  | 22,663  | 14,462                       | 31,435  | 30,648  | 28,464  |
| New Orleans, La.      | 17,348                         | 26,641  | 21,379  | 22,118  | 8,538                        | 24,614  | 18,591  | 20,291  |
| New York, N. Y.       | 585,279                        | 638,775 | 577,971 | 538,845 | 357,498                      | 805,822 | 849,937 | 844,648 |
| Newark, N. J.         | 63,084                         | 66,707  | 70,066  | 66,854  | 36,647                       | 104,322 | 89,465  | 89,640  |
| Norfolk, Va.          | 5,263                          | 5,119   | 5,083   | 5,429   | 2,258                        | 5,982   | 5,875   | 5,900   |
| Oakland, Calif.       | 7,706                          | 23,347  | 15,027  | 15,537  | 5,966                        | 31,579  | 21,096  | 21,664  |
| Omaha, Nebr.          | 8,922                          | 21,304  | 17,968  | 15,463  | 5,810                        | 27,230  | 28,064  | 21,048  |
| Paterson, N. J.       | 30,925                         | 37,217  | 33,247  | 33,779  | 16,195                       | 38,567  | 41,277  | 45,008  |
| Philadelphia, Pa.     | 251,256                        | 261,106 | 273,980 | 246,680 | 128,349                      | 326,782 | 356,120 | 332,416 |
| Pittsburgh, Pa.       | 69,620                         | 63,290  | 76,565  | 65,414  | 45,069                       | 109,859 | 110,359 | 94,458  |
| Portland, Oreg.       | 11,273                         | 26,813  | 21,392  | 20,077  | 8,542                        | 38,758  | 28,116  | 26,738  |
| Providence, R. I.     | 44,176                         | 53,372  | 45,495  | 41,207  | 24,482                       | 53,178  | 62,970  | 49,710  |
| Reading, Pa.          | 24,131                         | 20,122  | 26,709  | 27,247  | 11,855                       | 29,624  | 34,773  | 32,745  |
| Richmond, Va.         | 17,282                         | 21,759  | 18,751  | 18,137  | 8,440                        | 19,843  | 18,927  | 17,961  |
| Rochester, N. Y.      | 44,113                         | 63,792  | 58,649  | 52,589  | 26,600                       | 69,246  | 77,646  | 73,406  |
| St. Louis, Mo.        | 83,058                         | 107,919 | 112,698 | 105,022 | 51,150                       | 108,557 | 124,823 | 130,557 |
| St. Paul, Minn.       | 19,483                         | 22,649  | 22,841  | 23,664  | 12,796                       | 24,449  | 29,108  | 30,701  |
| Salt Lake City, Utah  | 4,931                          | 6,362   | 5,197   | 4,898   | 3,801                        | 7,153   | 6,155   | 5,876   |
| San Antonio, Tex.     | 4,083                          | 6,614   | 5,539   | 5,440   | 2,412                        | 5,794   | 5,302   | 5,267   |
| San Francisco, Calif. | 31,758                         | 48,550  | 43,160  | 41,373  | 25,289                       | 59,704  | 60,694  | 60,325  |
| Scranton, Pa.         | 12,559                         | 14,467  | 13,093  | 12,578  | 6,040                        | 11,978  | 13,537  | 13,697  |
| Seattle, Wash.        | 12,429                         | 40,843  | 17,697  | 19,220  | 9,935                        | 63,398  | 25,172  | 27,810  |
| Spokane, Wash.        | 3,020                          | 4,752   | 4,552   | 6,098   | 2,465                        | 5,419   | 5,943   | 7,961   |
| Springfield, Mass.    | 14,240                         | 18,429  | 19,089  | 17,693  | 9,350                        | 19,796  | 23,965  | 23,189  |
| Syracuse, N. Y.       | 17,551                         | 28,153  | 23,921  | 23,086  | 11,031                       | 31,859  | 31,691  | 31,118  |
| Toledo, Ohio          | 27,070                         | 42,090  | 41,420  | 37,209  | 18,124                       | 53,363  | 57,365  | 57,451  |
| Trenton, N. J.        | 19,528                         | 24,547  | 24,645  | 22,322  | 11,174                       | 27,858  | 30,913  | 30,136  |
| Washington, D. C.     | 8,877                          | 16,482  | 9,780   | 9,753   | 6,069                        | 13,189  | 14,744  | 15,230  |
| Wilmington, Del.      | 15,048                         | 21,420  | 14,993  | 13,549  | 8,674                        | 29,347  | 19,041  | 17,067  |
| Worcester, Mass.      | 29,452                         | 38,673  | 36,449  | 31,142  | 17,633                       | 44,440  | 47,344  | 42,330  |
| Yonkers, N. Y.        | 12,659                         | 11,932  | 14,005  | 12,662  | 6,455                        | 14,002  | 18,808  | 17,677  |
| Youngstown, Ohio      | 15,661                         | 19,414  | 20,516  | 19,215  | 12,349                       | 38,319  | 55,202  | 53,692  |

<sup>1</sup> Data not available for 1922.

## IN 1920, 100,000 OR MORE INHABITANTS

and 1925 figures with those of previous censuses, see general note, p 749. Statistics for coffee and spice, totals differ, therefore, from those heretofore published]

| Value of products |           |           |           | Value added by manufacture |           |           | City and State        |
|-------------------|-----------|-----------|-----------|----------------------------|-----------|-----------|-----------------------|
| 1914              | 1919      | 1923      | 1925      | 1914                       | 1919      | 1925      |                       |
| 122,292           | 556,902   | 406,837   | 565,391   | 56,230                     | 244,590   | 234,796   | Akron, Ohio.          |
| 25,211            | 45,455    | 52,408    | 52,178    | 13,611                     | 23,972    | 29,972    | Albany, N. Y.         |
| 41,279            | 113,992   | 123,284   | 131,237   | 18,162                     | 46,121    | 59,193    | Atlanta, Ga.          |
| 215,172           | 677,879   | 646,858   | 678,947   | 94,639                     | 250,123   | 250,384   | Baltimore, Md.        |
| 43,144            | 127,214   | 88,467    | 100,204   | 17,632                     | 40,395    | 46,518    | Birmingham, Ala.      |
| 284,802           | 618,922   | 567,146   | 585,992   | 134,234                    | 299,316   | 284,802   | Boston, Mass.         |
| 85,126            | 208,090   | 148,856   | 149,098   | 40,394                     | 125,777   | 80,567    | Bridgeport, Conn.     |
| 247,516           | 634,410   | 588,132   | 675,436   | 99,520                     | 233,789   | 244,903   | Buffalo, N. Y.        |
| 57,484            | 127,565   | 185,524   | 165,833   | 25,949                     | 58,738    | 89,182    | Cambridge, Mass.      |
| 71,824            | 218,165   | 190,766   | 164,651   | 35,730                     | 105,061   | 81,703    | Camden, N. J.         |
| 1,483,498         | 3,657,424 | 3,268,004 | 3,439,163 | 581,545                    | 1,278,182 | 1,557,016 | Chicago, Ill.         |
| 210,860           | 500,041   | 428,577   | 457,539   | 96,763                     | 203,761   | 216,410   | Cincinnati, Ohio.     |
| 352,418           | 1,091,577 | 1,091,222 | 1,094,780 | 163,925                    | 478,128   | 494,888   | Cleveland, Ohio.      |
| 57,608            | 184,022   | 186,011   | 178,289   | 26,972                     | 71,203    | 80,612    | Columbus, Ohio.       |
| 31,065            | 93,650    | 91,133    | 112,158   | 11,495                     | 28,147    | 42,961    | Dallas, Tex.          |
| 71,071            | 174,991   | 187,934   | 206,104   | 38,117                     | 122,839   | 122,839   | Dayton, Ohio.         |
| 46,982            | 126,411   | 118,300   | 125,763   | 18,946                     | 46,071    | 53,232    | Denver, Colo.         |
| 23,747            | 59,831    | 102,919   | 85,624    | 11,472                     | 26,540    | 40,218    | Des Moines, Iowa.     |
| 400,348           | 1,234,520 | 1,436,454 | 1,599,340 | 178,099                    | 578,607   | 693,169   | Detroit, Mich.        |
| 64,663            | 163,246   | 172,396   | 142,685   | 27,507                     | 67,066    | 47,790    | Fall River, Mass.     |
| 9,974             | 38,160    | 78,026    | 100,329   | 4,142                      | 12,503    | 24,496    | Fort Worth, Tex.      |
| 49,792            | 109,135   | 130,278   | 145,706   | 25,797                     | 57,973    | 61,742    | Grand Rapids, Mich.   |
| 42,831            | 118,003   | 101,894   | 109,678   | 26,187                     | 60,694    | 64,348    | Hartford, Conn.       |
| 25,868            | 86,874    | 84,502    | 87,445    | 9,744                      | 29,082    | 36,573    | Houston, Tex.         |
| 139,700           | 398,667   | 345,207   | 344,925   | 48,636                     | 131,913   | 141,486   | Indianapolis, Ind.    |
| 164,528           | 374,183   | 313,999   | 340,735   | 62,746                     | 110,762   | 139,235   | Jersey City, N. J.    |
| 159,700           | 468,686   | 262,447   | 288,545   | 20,433                     | 51,168    | 48,913    | Kansas City, Kans.    |
| 60,953            | 192,815   | 189,733   | 221,349   | 28,972                     | 68,505    | 93,833    | Kansas City, Mo.      |
| 103,458           | 278,184   | 413,483   | 531,827   | 44,517                     | 118,365   | 256,337   | Los Angeles, Calif.   |
| 106,223           | 204,566   | 239,150   | 263,693   | 49,824                     | 78,466    | 113,870   | Louisville, Ky.       |
| 58,049            | 137,802   | 100,996   | 81,186    | 22,945                     | 60,809    | 37,574    | Lowell, Mass.         |
| 39,133            | 117,716   | 96,537    | 106,877   | 16,128                     | 39,593    | 40,210    | Memphis, Tenn.        |
| 223,555           | 676,161   | 510,599   | 541,912   | 98,679                     | 234,393   | 250,025   | Milwaukee, Wis.       |
| 187,854           | 491,283   | 335,039   | 338,824   | 56,855                     | 128,549   | 117,440   | Minneapolis, Minn.    |
| 33,276            | 71,108    | 77,718    | 79,331    | 13,915                     | 26,562    | 31,957    | Nashville, Tenn.      |
| 65,575            | 210,773   | 149,999   | 143,531   | 28,001                     | 88,202    | 63,471    | New Bedford, Mass.    |
| 57,782            | 126,466   | 113,925   | 110,506   | 30,435                     | 70,159    | 64,603    | New Haven, Conn.      |
| 69,614            | 182,799   | 130,718   | 155,106   | 29,253                     | 99,491    | 61,845    | New Orleans, La.      |
| 2,292,832         | 5,280,708 | 5,310,017 | 5,324,414 | 1,063,877                  | 2,399,232 | 2,605,621 | New York, N. Y.       |
| 210,601           | 577,609   | 448,172   | 490,047   | 97,163                     | 239,647   | 238,120   | Newark, N. J.         |
| 13,710            | 29,588    | 29,232    | 35,456    | 6,390                      | 13,066    | 15,551    | Norfolk, Va.          |
| 28,322            | 134,756   | 122,492   | 144,841   | 13,623                     | 70,779    | 60,741    | Oakland, Calif.       |
| 66,426            | 452,327   | 311,101   | 338,004   | 18,372                     | 69,133    | 59,786    | Omaha, Nebr.          |
| 78,429            | 216,659   | 194,858   | 200,977   | 37,799                     | 101,696   | 94,626    | Paterson, N. J.       |
| 784,500           | 1,996,481 | 1,987,343 | 1,937,415 | 333,303                    | 640,141   | 687,935   | Philadelphia, Pa.     |
| 246,694           | 614,727   | 606,354   | 518,904   | 96,779                     | 247,862   | 224,582   | Pittsburgh, Pa.       |
| 53,697            | 196,380   | 150,955   | 150,531   | 21,796                     | 84,903    | 65,359    | Portland, Oreg.       |
| 115,335           | 267,629   | 215,654   | 212,118   | 51,365                     | 127,302   | 105,050   | Providence, R. I.     |
| 53,232            | 141,561   | 134,411   | 132,405   | 21,946                     | 58,867    | 64,065    | Reading, Pa.          |
| 62,491            | 156,724   | 143,418   | 157,450   | 31,932                     | 67,280    | 63,477    | Richmond, Va.         |
| 140,697           | 351,416   | 337,362   | 337,546   | 82,167                     | 197,133   | 201,041   | Rochester, N. Y.      |
| 360,480           | 871,700   | 890,650   | 874,557   | 156,674                    | 330,874   | 361,137   | St. Louis, Mo.        |
| 68,682            | 149,638   | 150,365   | 194,013   | 32,863                     | 64,468    | 66,753    | St. Paul, Minn.       |
| 16,663            | 33,357    | 33,408    | 32,589    | 8,190                      | 15,938    | 15,708    | Salt Lake City, Utah. |
| 17,849            | 35,456    | 33,735    | 38,634    | 7,759                      | 13,207    | 15,636    | San Antonio, Tex.     |
| 162,300           | 417,321   | 392,447   | 399,986   | 65,280                     | 155,903   | 177,194   | San Francisco, Calif. |
| 28,722            | 64,630    | 64,169    | 61,282    | 12,923                     | 25,684    | 28,080    | Scranton, Pa.         |
| 64,475            | 274,431   | 152,729   | 159,866   | 26,705                     | 124,781   | 69,998    | Seattle, Wash.        |
| 16,636            | 40,149    | 39,935    | 43,156    | 7,182                      | 14,498    | 17,030    | Spokane, Wash.        |
| 44,429            | 98,323    | 104,568   | 109,516   | 22,514                     | 50,530    | 63,146    | Springfield, Mass.    |
| 52,164            | 160,091   | 149,145   | 154,029   | 28,418                     | 75,408    | 63,019    | Syracuse, N. Y.       |
| 115,049           | 293,521   | 354,401   | 371,120   | 44,555                     | 120,233   | 143,475   | Toledo, Ohio.         |
| 54,822            | 122,478   | 116,623   | 126,516   | 24,879                     | 62,017    | 63,547    | Trenton, N. J.        |
| 28,987            | 68,827    | 71,700    | 83,577    | 16,739                     | 37,897    | 50,073    | Washington, D. C.     |
| 39,408            | 121,040   | 80,016    | 76,502    | 17,282                     | 60,552    | 34,526    | Wilmington, Del.      |
| 62,829            | 208,706   | 212,043   | 210,461   | 37,035                     | 102,525   | 105,066   | Worcester, Mass.      |
| 67,228            | 140,017   | 144,896   | 120,467   | 15,115                     | 33,567    | 36,553    | Yonkers, N. Y.        |
| 92,111            | 241,458   | 272,184   | 286,180   | 23,034                     | 78,359    | 65,177    | Youngstown, Ohio.     |

Source: Bureau of the Census, Department of Commerce.



**No. 759.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:  
BY GEOGRAPHIC DIVISIONS AND STATES**

[NOTE.—As to comparability of figures for 1921, 1923, and 1925 with those of previous years, see general note p. 749. Data for horsepower not collected in 1921. No data for the "Coffee and spice, roasting and grinding" or the "Automobile repairing" industry, nor for establishments with products valued at less than \$5,000, in any industry are included in the statistics here given for 1925, 1923, or 1921. For 1919 and 1914 the data for the two industries named have been eliminated from the United States totals for all items, as published at the censuses for those years, and the data for establishments with products valued at less than \$5,000 have been eliminated for all items except wages and primary horsepower. The figures for geographic divisions and States have not, however, been similarly adjusted.]

| Division and State        | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(averagu<br>number) | Wages      | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|---------------------------|---------------------|--|--|------------|----------------------|----------------------|---------------------------------------|----------------------------|
| In thousands of dollars   |                     |  |  |            |                      |                      |                                       |                            |
| <b>United States</b>      | 1925                | 187,390                                    | 8,384,261                              | 10,728,969 | 35,935,648           | 62,713,714           | 26,778,066                            | 35,772,838                 |
|                           | 1923                | 195,540                                    | 8,768,491                              | 10,000,282 | 34,480,834           | 60,268,471           | 25,777,617                            | 33,056,870                 |
|                           | 1921                | 195,555                                    | 6,937,088                              | 8,192,952  | 25,154,607           | 43,427,224           | 18,272,417                            |                            |
|                           | 1919                | 213,631                                    | 8,989,536                              | 10,452,586 | 30,988,876           | 61,737,125           | 24,748,249                            | 29,297,968                 |
|                           | 1914                | 176,468                                    | 6,887,677                              | 4,063,211  | 14,161,897           | 23,837,258           | 9,675,361                             | 22,264,543                 |
| <b>New England</b>        | 1925                | 18,173                                     | 1,122,216                              | 1,339,310  | 3,224,856            | 6,161,009            | 2,936,153                             | 4,349,191                  |
|                           | 1923                | 19,045                                     | 1,253,801                              | 1,471,632  | 3,274,901            | 6,366,561            | 3,124,680                             | 4,148,818                  |
|                           | 1921                | 19,025                                     | 1,071,124                              | 1,160,062  | 2,512,422            | 4,888,285            | 2,375,862                             |                            |
|                           | 1919                | 25,528                                     | 1,351,389                              | 1,486,437  | 3,951,908            | 7,188,071            | 3,231,162                             | 3,779,819                  |
|                           | 1914                | 25,193                                     | 1,140,253                              | 629,409    | 1,657,674            | 2,928,675            | 1,266,001                             | 3,098,826                  |
| <b>Middle Atlantic</b>    | 1925                | 58,895                                     | 2,491,039                              | 3,434,510  | 10,682,358           | 19,406,491           | 8,727,133                             | 10,106,280                 |
|                           | 1923                | 65,834                                     | 2,691,748                              | 3,592,835  | 11,064,689           | 19,060,966           | 8,598,407                             | 9,618,529                  |
|                           | 1921                | 67,007                                     | 2,244,084                              | 2,768,648  | 8,065,005            | 14,638,054           | 6,443,049                             |                            |
|                           | 1919                | 88,360                                     | 2,872,653                              | 3,464,831  | 11,424,096           | 19,854,775           | 8,430,877                             | 8,512,612                  |
|                           | 1914                | 83,466                                     | 2,355,940                              | 1,370,131  | 4,690,993            | 8,063,044            | 3,372,651                             | 6,641,348                  |
| <b>East North Central</b> | 1925                | 42,888                                     | 2,242,799                              | 3,345,864  | 10,764,985           | 19,026,814           | 8,261,929                             | 10,047,780                 |
|                           | 1923                | 43,851                                     | 2,384,740                              | 3,331,227  | 10,113,541           | 17,752,589           | 7,639,048                             | 9,013,689                  |
|                           | 1921                | 43,428                                     | 1,708,777                              | 2,211,743  | 6,830,805            | 11,749,603           | 4,912,886                             |                            |
|                           | 1919                | 61,322                                     | 2,396,618                              | 2,992,931  | 10,621,687           | 17,737,480           | 7,115,793                             | 7,702,961                  |
|                           | 1914                | 59,896                                     | 1,660,281                              | 1,072,538  | 3,795,039            | 6,542,261            | 2,747,222                             | 5,391,976                  |
| <b>West North Central</b> | 1925                | 16,280                                     | 452,820                                | 552,702    | 3,216,616            | 4,724,411            | 1,507,796                             | 1,855,278                  |
|                           | 1923                | 16,522                                     | 468,128                                | 562,329    | 2,816,178            | 4,266,381            | 1,440,203                             | 1,609,653                  |
|                           | 1921                | 17,248                                     | 363,807                                | 474,812    | 2,351,243            | 3,468,266            | 1,117,013                             |                            |
|                           | 1919                | 29,166                                     | 499,635                                | 546,173    | 3,778,125            | 5,187,065            | 1,408,940                             | 1,562,809                  |
|                           | 1914                | 27,190                                     | 381,595                                | 235,471    | 1,397,841            | 2,032,192            | 634,352                               | 1,235,147                  |
| <b>South Atlantic</b>     | 1925                | 16,576                                     | 838,834                                | 787,051    | 2,552,468            | 4,535,222            | 1,982,754                             | 3,454,130                  |
|                           | 1923                | 16,991                                     | 831,561                                | 729,416    | 2,427,802            | 4,223,024            | 1,795,762                             | 3,142,009                  |
|                           | 1921                | 16,373                                     | 645,777                                | 564,503    | 1,731,866            | 2,974,191            | 1,242,305                             |                            |
|                           | 1919                | 29,976                                     | 917,217                                | 778,027    | 2,566,265            | 4,455,152            | 1,858,897                             | 2,791,088                  |
|                           | 1914                | 38,925                                     | 685,252                                | 298,063    | 1,008,068            | 1,682,990            | 679,831                               | 2,266,281                  |
| <b>East South Central</b> | 1925                | 8,060                                      | 355,966                                | 322,675    | 1,042,478            | 1,808,702            | 766,224                               | 1,613,183                  |
|                           | 1923                | 7,473                                      | 346,778                                | 310,012    | 978,268              | 1,699,889            | 711,621                               | 1,440,322                  |
|                           | 1921                | 7,217                                      | 258,871                                | 225,013    | 636,540              | 1,065,795            | 447,258                               |                            |
|                           | 1919                | 14,665                                     | 329,226                                | 298,710    | 977,625              | 1,642,391            | 664,567                               | 1,414,160                  |
|                           | 1914                | 14,410                                     | 264,378                                | 117,967    | 387,011              | 700,668              | 313,657                               | 1,136,654                  |
| <b>West South Central</b> | 1925                | 7,887                                      | 265,160                                | 267,675    | 1,722,382            | 2,546,506            | 624,124                               | 1,316,933                  |
|                           | 1923                | 7,868                                      | 266,462                                | 264,765    | 1,862,364            | 2,073,457            | 711,093                               | 1,266,939                  |
|                           | 1921                | 8,054                                      | 228,938                                | 237,450    | 1,140,056            | 1,710,358            | 570,303                               |                            |
|                           | 1919                | 13,909                                     | 285,244                                | 293,022    | 1,547,994            | 2,277,861            | 729,568                               | 1,179,896                  |
|                           | 1914                | 12,417                                     | 211,940                                | 116,129    | 526,907              | 802,588              | 275,621                               | 964,470                    |
| <b>Mountain</b>           | 1925                | 3,849                                      | 100,374                                | 134,583    | 688,350              | 1,046,318            | 357,966                               | 757,974                    |
|                           | 1923                | 3,952                                      | 103,693                                | 143,174    | 606,868              | 952,670              | 345,812                               | 714,463                    |
|                           | 1921                | 4,000                                      | 91,825                                 | 118,388    | 394,436              | 614,856              | 219,921                               |                            |
|                           | 1919                | 7,612                                      | 169,216                                | 141,901    | 610,239              | 922,676              | 312,437                               | 685,192                    |
|                           | 1914                | 6,079                                      | 81,113                                 | 66,356     | 272,215              | 437,568              | 165,853                               | 459,516                    |
| <b>Pacific</b>            | 1925                | 14,762                                     | 415,624                                | 575,269    | 2,041,265            | 3,455,241            | 1,413,966                             | 2,269,746                  |
|                           | 1923                | 14,058                                     | 419,398                                | 590,090    | 1,824,376            | 3,220,906            | 1,396,530                             | 1,863,196                  |
|                           | 1921                | 13,232                                     | 315,026                                | 431,768    | 1,455,114            | 2,399,203            | 944,089                               |                            |
|                           | 1919                | 19,567                                     | 435,179                                | 581,269    | 1,868,242            | 3,157,610            | 1,289,368                             | 1,752,036                  |
|                           | 1914                | 16,206                                     | 235,515                                | 178,247    | 947,342              | 1,067,689            | 420,548                               | 1,066,092                  |
| <b>New England:</b>       |                     |  |  |            |                      |                      |                                       |                            |
| Maine                     | 1925                | 1,500                                      | 73,849                                 | 79,777     | 205,700              | 371,849              | 166,140                               | 600,787                    |
|                           | 1923                | 1,636                                      | 83,317                                 | 91,845     | 216,917              | 402,441              | 185,524                               | 570,604                    |
|                           | 1921                | 1,758                                      | 75,697                                 | 83,418     | 191,971              | 338,395              | 147,424                               |                            |
|                           | 1919                | 2,906                                      | 98,661                                 | 94,225     | 254,860              | 458,822              | 202,253                               | 545,613                    |
|                           | 1914                | 3,378                                      | 82,149                                 | 43,254     | 117,655              | 200,460              | 82,796                                | 486,082                    |

No. 759.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: BY  
GEOGRAPHIC DIVISIONS AND STATES—Continued

| Division and State  | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages     | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|---------------------|---------------------|--|--|-----------|----------------------|----------------------|---------------------------------------|----------------------------|
|                     |                     |  |  |           |                      |                      |                                       |                            |
| New England—Contd.  |                     |  |  |           |                      |                      |                                       |                            |
| New Hampshire       | 1925                | 1,038                                      | 66,658                                 | 71,725    | 192,254              | 327,401              | 135,147                               | 870,740                    |
|                     | 1923                | 1,076                                      | 75,314                                 | 79,074    | 185,754              | 333,125              | 147,371                               | 352,656                    |
|                     | 1921                | 1,122                                      | 67,416                                 | 67,893    | 139,269              | 246,346              | 107,077                               | ---                        |
|                     | 1919                | 1,499                                      | 83,074                                 | 79,326    | 239,528              | 407,205              | 167,677                               | 348,892                    |
|                     | 1914                | 1,736                                      | 78,903                                 | 40,642    | 114,993              | 182,844              | 67,651                                | 340,605                    |
| Vermont             | 1925                | 951  | 27,563                                 | 32,326    | 74,387               | 138,270              | 53,683                                | 178,806                    |
|                     | 1923                | 1,021                                      | 30,783                                 | 34,695    | 80,776               | 149,952              | 59,176                                | 177,212                    |
|                     | 1921                | 1,101                                      | 25,767                                 | 28,068    | 63,668               | 113,904              | 50,216                                | ---                        |
|                     | 1919                | 1,790                                      | 33,491                                 | 34,084    | 95,173               | 166,108              | 72,935                                | 184,327                    |
|                     | 1914                | 1,772                                      | 32,704                                 | 18,617    | 42,706               | 76,991               | 34,285                                | 171,738                    |
| Massachusetts       | 1925                | 10,027                                     | 591,438                                | 716,156   | 1,794,643            | 3,426,617            | 1,631,974                             | 2,013,017                  |
|                     | 1923                | 10,494                                     | 666,693                                | 798,703   | 1,820,370            | 3,550,987            | 1,730,617                             | 1,929,709                  |
|                     | 1921                | 9,974                                      | 578,558                                | 640,787   | 1,432,433            | 2,826,016            | 1,403,583                             | ---                        |
|                     | 1919                | 11,906                                     | 713,836                                | 766,623   | 2,260,713            | 4,011,182            | 1,750,468                             | 1,716,982                  |
|                     | 1914                | 12,013                                     | 606,696                                | 341,310   | 931,384              | 1,641,373            | 799,989                               | 1,380,912                  |
| Rhode Island        | 1925                | 1,595                                      | 120,346                                | 138,126   | 345,221              | 621,920              | 276,699                               | 396,764                    |
|                     | 1923                | 1,691                                      | 134,667                                | 152,500   | 358,581              | 675,425              | 316,644                               | 391,928                    |
|                     | 1921                | 1,759                                      | 112,745                                | 119,414   | 277,693              | 517,118              | 239,425                               | ---                        |
|                     | 1919                | 2,466                                      | 139,665                                | 137,495   | 415,989              | 747,323              | 331,334                               | 319,688                    |
|                     | 1914                | 2,190                                      | 113,425                                | 59,366    | 162,425              | 279,546              | 117,121                               | 266,884                    |
| Connecticut         | 1925                | 3,062                                      | 242,862                                | 301,300   | 612,642              | 1,274,952            | 662,310                               | 790,087                    |
|                     | 1923                | 3,125                                      | 263,217                                | 314,813   | 612,603              | 1,287,651            | 673,148                               | 726,907                    |
|                     | 1921                | 3,313                                      | 210,943                                | 231,082   | 407,368              | 835,306              | 428,138                               | ---                        |
|                     | 1919                | 4,672                                      | 292,672                                | 324,682   | 685,937              | 1,392,432            | 700,494                               | 664,316                    |
|                     | 1914                | 4,104                                      | 226,264                                | 125,220   | 288,511              | 545,472              | 256,961                               | 452,665                    |
| Middle Atlantic:    |                     |  |  |           |                      |                      |                                       |                            |
| New York            | 1925                | 33,393                                     | 1,066,202                              | 1,533,898 | 4,794,969            | 8,968,549            | 4,263,559                             | 3,348,184                  |
|                     | 1923                | 38,087                                     | 1,149,411                              | 1,579,703 | 4,726,550            | 8,913,032            | 4,186,472                             | 3,256,802                  |
|                     | 1921                | 38,015                                     | 999,011                                | 1,301,909 | 3,662,157            | 6,940,368            | 3,278,211                             | ---                        |
|                     | 1919                | 49,330                                     | 1,228,130                              | 1,458,207 | 4,943,214            | 8,867,006            | 3,923,791                             | 2,926,963                  |
|                     | 1914                | 48,208                                     | 1,057,657                              | 631,042   | 2,106,607            | 3,814,661            | 1,706,054                             | 2,321,817                  |
| New Jersey          | 1925                | 8,204                                      | 425,377                                | 578,236   | 2,086,865            | 3,539,181            | 1,452,326                             | 1,384,234                  |
|                     | 1923                | 8,751                                      | 447,765                                | 578,655   | 2,029,943            | 3,382,727            | 1,352,784                             | 1,256,120                  |
|                     | 1921                | 8,769                                      | 381,662                                | 460,355   | 1,481,487            | 2,550,498            | 1,069,011                             | ---                        |
|                     | 1919                | 11,057                                     | 508,696                                | 600,658   | 2,279,473            | 3,672,065            | 1,401,592                             | 1,140,564                  |
|                     | 1914                | 9,742                                      | 373,605                                | 211,136   | 883,465              | 1,406,693            | 523,168                               | 783,706                    |
| Pennsylvania        | 1925                | 17,296                                     | 999,490                                | 1,324,481 | 3,890,514            | 6,901,762            | 3,011,248                             | 5,373,972                  |
|                     | 1923                | 18,996                                     | 1,094,572                              | 1,434,477 | 4,308,096            | 7,365,247            | 3,057,151                             | 5,105,604                  |
|                     | 1921                | 20,223                                     | 863,411                                | 1,006,384 | 2,951,361            | 5,047,186            | 2,095,827                             | ---                        |
|                     | 1919                | 27,973                                     | 1,135,837                              | 1,406,066 | 4,210,409            | 7,315,703            | 3,105,294                             | 4,445,095                  |
|                     | 1914                | 27,521                                     | 924,478                                | 527,953   | 1,688,921            | 2,832,349            | 1,143,426                             | 3,535,826                  |
| East North Central: |                     |  |  |           |                      |                      |                                       |                            |
| Ohio                | 1925                | 11,137                                     | 676,742                                | 975,812   | 3,029,686            | 5,347,523            | 2,317,837                             | 3,482,018                  |
|                     | 1923                | 11,157                                     | 698,241                                | 978,790   | 2,893,117            | 5,124,326            | 2,231,409                             | 3,308,816                  |
|                     | 1921                | 11,441                                     | 493,424                                | 626,064   | 1,904,288            | 3,290,065            | 1,275,777                             | ---                        |
|                     | 1919                | 16,125                                     | 730,733                                | 944,652   | 2,911,948            | 5,100,309            | 2,168,361                             | 2,885,007                  |
|                     | 1914                | 15,658                                     | 510,435                                | 317,924   | 1,020,782            | 1,782,808            | 762,026                               | 1,965,960                  |
| Indiana             | 1925                | 4,772                                      | 289,854                                | 366,003   | 1,257,961            | 2,125,023            | 867,062                               | 1,420,999                  |
|                     | 1923                | 4,899                                      | 290,976                                | 374,366   | 1,187,609            | 2,028,292            | 840,683                               | 1,371,282                  |
|                     | 1921                | 5,085                                      | 206,336                                | 251,251   | 823,897              | 1,374,446            | 550,549                               | ---                        |
|                     | 1919                | 7,916                                      | 277,580                                | 317,043   | 1,174,951            | 1,668,753            | 723,803                               | 1,094,568                  |
|                     | 1914                | 8,022                                      | 197,508                                | 119,258   | 423,857              | 730,795              | 306,938                               | 707,982                    |
| Illinois            | 1925                | 14,117                                     | 622,368                                | 897,971   | 2,926,064            | 5,321,838            | 2,395,774                             | 2,247,408                  |
|                     | 1923                | 14,307                                     | 644,678                                | 912,146   | 2,768,019            | 5,004,695            | 2,238,676                             | 1,938,606                  |
|                     | 1921                | 13,220                                     | 513,036                                | 700,571   | 2,078,848            | 3,679,158            | 1,600,310                             | ---                        |
|                     | 1919                | 18,598                                     | 653,114                                | 891,087   | 3,488,270            | 5,425,245            | 1,936,174                             | 1,654,947                  |
|                     | 1914                | 16,388                                     | 506,943                                | 340,910   | 1,340,183            | 2,247,323            | 907,140                               | 1,294,421                  |
| Michigan            | 1925                | 5,600                                      | 513,494                                | 792,225   | 2,466,426            | 4,373,186            | 1,906,760                             | 1,887,750                  |
|                     | 1923                | 5,691                                      | 508,217                                | 768,978   | 2,268,735            | 3,879,480            | 1,610,696                             | 1,470,804                  |
|                     | 1921                | 5,703                                      | 304,366                                | 419,845   | 1,394,454            | 2,294,476            | 900,022                               | ---                        |
|                     | 1919                | 8,306                                      | 471,242                                | 639,708   | 1,919,242            | 3,466,198            | 1,546,946                             | 1,193,709                  |
|                     | 1914                | 8,724                                      | 371,090                                | 182,252   | 562,891              | 1,086,162            | 493,361                               | 726,777                    |

**TABLE 759.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: BY GEOGRAPHIC DIVISIONS AND STATES—Continued**

| Division and State         | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages   | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|----------------------------|---------------------|--|--|---------|----------------------|----------------------|---------------------------------------|----------------------------|
| In thousands of dollars    |                     |  |  |         |                      |                      |                                       |                            |
| <b>East North Central—</b> |                     |  |  |         |                      |                      |                                       |                            |
| Continued                  |                     |  |  |         |                      |                      |                                       |                            |
| Wisconsin.....             | 1925                | 7,262                                      | 247,341                                | 314,888 | 1,084,748            | 1,809,244            | 774,496                               | 1,039,015                  |
|                            | 1923                | 7,817                                      | 247,629                                | 296,947 | 998,061              | 1,718,646            | 717,563                               | 939,002                    |
|                            | 1921                | 7,779                                      | 191,616                                | 213,992 | 735,318              | 1,211,548            | 496,230                               | —                          |
|                            | 1919                | 10,393                                     | 263,049                                | 290,441 | 1,127,275            | 1,846,964            | 719,709                               | 874,339                    |
|                            | 1914                | 9,104                                      | 194,310                                | 112,193 | 417,415              | 695,172              | 277,757                               | 670,698                    |
| <b>West North Central:</b> |                     |  |  |         |                      |                      |                                       |                            |
| Minnesota.....             | 1925                | 3,898                                      | 100,614                                | 123,787 | 770,734              | 1,101,856            | 331,132                               | 508,021                    |
|                            | 1923                | 3,890                                      | 103,740                                | 126,235 | 642,942              | 956,270              | 313,326                               | 469,399                    |
|                            | 1921                | 4,075                                      | 85,514                                 | 106,974 | 679,974              | 843,805              | 263,631                               | —                          |
|                            | 1919                | 6,225                                      | 115,629                                | 127,107 | 883,090              | 1,218,130            | 335,040                               | 473,699                    |
|                            | 1914                | 5,974                                      | 92,834                                 | 58,807  | 336,849              | 493,354              | 150,595                               | 336,123                    |
| Iowa.....                  | 1925                | 3,270                                      | 74,976                                 | 92,293  | 499,599              | 757,771              | 256,183                               | 305,016                    |
|                            | 1923                | 3,404                                      | 77,578                                 | 93,986  | 430,699              | 685,376              | 254,577                               | 281,529                    |
|                            | 1921                | 3,312                                      | 62,111                                 | 78,886  | 335,927              | 517,661              | 181,734                               | —                          |
|                            | 1919                | 5,683                                      | 90,531                                 | 94,117  | 526,241              | 745,473              | 225,232                               | 242,839                    |
|                            | 1914                | 5,814                                      | 63,113                                 | 39,900  | 205,451              | 310,750              | 105,299                               | 189,896                    |
| Missouri.....              | 1925                | 5,114                                      | 194,939                                | 230,691 | 980,459              | 1,007,161            | 626,702                               | 590,496                    |
|                            | 1923                | 5,253                                      | 195,822                                | 227,924 | 924,672              | 1,521,561            | 596,969                               | 549,799                    |
|                            | 1921                | 5,404                                      | 155,348                                | 182,001 | 712,500              | 1,146,456            | 427,965                               | —                          |
|                            | 1919                | 8,502                                      | 196,037                                | 196,315 | 1,056,457            | 1,594,308            | 537,751                               | 476,646                    |
|                            | 1914                | 8,396                                      | 152,163                                | 89,197  | 388,715              | 637,962              | 249,237                               | 389,376                    |
| North Dakota.....          | 1925                | 320  | 3,261                                  | 4,575   | 32,907               | 44,632               | 12,325                                | 16,711                     |
|                            | 1923                | 340  | 3,582                                  | 5,134   | 30,704               | 42,145               | 11,441                                | 16,739                     |
|                            | 1921                | 398  | 3,107                                  | 4,669   | 26,365               | 36,358               | 10,093                                | —                          |
|                            | 1919                | 894  | 4,472                                  | 5,401   | 44,489               | 57,874               | 13,884                                | 17,791                     |
|                            | 1914                | 699  | 3,275                                  | 2,416   | 14,484               | 21,147               | 6,663                                 | 13,986                     |
| South Dakota.....          | 1923                | 504  | 5,151                                  | 6,208   | 46,942               | 63,433               | 16,491                                | 21,603                     |
|                            | 1921                | 489  | 5,146                                  | 6,211   | 33,673               | 47,821               | 13,648                                | 16,494                     |
|                            | 1921                | 571  | 4,628                                  | 6,342   | 26,737               | 41,394               | 14,657                                | —                          |
|                            | 1919                | 1,414                                      | 6,382                                  | 7,905   | 42,986               | 62,171               | 19,185                                | 22,176                     |
|                            | 1914                | 896  | 3,798                                  | 2,628   | 17,079               | 24,139               | 7,060                                 | 16,334                     |
| Nebraska.....              | 1925                | 1,306                                      | 27,200                                 | 36,021  | 348,397              | 443,308              | 94,911                                | 132,708                    |
|                            | 1923                | 1,370                                      | 31,095                                 | 39,635  | 309,572              | 409,756              | 90,964                                | 120,547                    |
|                            | 1921                | 1,381                                      | 27,530                                 | 37,287  | 242,425              | 328,348              | 85,923                                | —                          |
|                            | 1919                | 2,894                                      | 36,521                                 | 46,067  | 486,774              | 596,042              | 115,368                               | 125,769                    |
|                            | 1914                | 2,492                                      | 25,144                                 | 16,803  | 174,114              | 221,616              | 47,502                                | 89,236                     |
| Kansas.....                | 1925                | 1,878                                      | 46,659                                 | 59,207  | 538,201              | 706,250              | 168,049                               | 276,874                    |
|                            | 1923                | 1,776                                      | 51,195                                 | 65,003  | 443,716              | 594,052              | 150,286                               | 258,319                    |
|                            | 1921                | 1,917                                      | 44,869                                 | 59,154  | 427,416              | 660,235              | 132,820                               | —                          |
|                            | 1919                | 3,474                                      | 61,049                                 | 73,060  | 750,068              | 913,667              | 163,579                               | 233,945                    |
|                            | 1914                | 3,136                                      | 41,259                                 | 25,970  | 261,146              | 323,234              | 62,086                                | 178,296                    |
| <b>South Atlantic:</b>     |                     |  |  |         |                      |                      |                                       |                            |
| Delaware.....              | 1925                | 419  | 20,704                                 | 25,072  | 70,623               | 125,406              | 54,783                                | 107,391                    |
|                            | 1923                | 453  | 23,116                                 | 27,369  | 70,796               | 128,961              | 58,215                                | 112,466                    |
|                            | 1921                | 460  | 17,754                                 | 19,596  | 50,118               | 86,756               | 36,638                                | —                          |
|                            | 1919                | 668  | 29,035                                 | 37,265  | 85,433               | 168,073              | 79,640                                | 85,195                     |
|                            | 1914                | 908  | 22,155                                 | 11,382  | 31,649               | 56,035               | 24,386                                | 64,834                     |
| Maryland.....              | 1925                | 3,184                                      | 125,787                                | 138,591 | 668,591              | 926,252              | 357,661                               | 544,538                    |
|                            | 1923                | 3,162                                      | 128,634                                | 136,089 | 504,610              | 897,469              | 332,859                               | 497,212                    |
|                            | 1921                | 3,112                                      | 106,891                                | 110,287 | 383,236              | 632,645              | 240,407                               | —                          |
|                            | 1919                | 4,937                                      | 140,342                                | 147,867 | 549,347              | 873,945              | 324,597                               | 406,637                    |
|                            | 1914                | 4,797                                      | 111,585                                | 53,792  | 238,972              | 377,749              | 138,777                               | 262,199                    |
| District of Columbia       | 1925                | 538  | 9,753                                  | 15,320  | 33,504               | 63,577               | 50,073                                | 37,508                     |
|                            | 1923                | 563  | 9,780                                  | 14,745  | 31,795               | 71,700               | 36,906                                | 31,707                     |
|                            | 1921                | 484  | 8,614                                  | 12,906  | 29,336               | 66,663               | 37,127                                | —                          |
|                            | 1919                | 596  | 10,492                                 | 13,189  | 30,940               | 68,827               | 37,886                                | 31,089                     |
|                            | 1914                | 514  | 8,677                                  | 6,060   | 12,239               | 28,978               | 16,739                                | 34,743                     |
| Virginia.....              | 1925                | 2,553                                      | 112,135                                | 105,887 | 314,711              | 589,511              | 274,800                               | 441,697                    |
|                            | 1923                | 2,731                                      | 111,471                                | 104,593 | 302,053              | 644,723              | 242,698                               | 430,663                    |
|                            | 1921                | 2,559                                      | 88,471                                 | 84,978  | 267,316              | 451,874              | 184,558                               | —                          |
|                            | 1919                | 5,663                                      | 119,352                                | 120,006 | 371,541              | 643,512              | 271,971                               | 419,736                    |
|                            | 1914                | 5,306                                      | 102,820                                | 44,873  | 165,320              | 294,089              | 108,719                               | 237,867                    |

## MANUFACTURES BY STATES

783

No. 759.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: BY GEOGRAPHIC DIVISIONS AND STATES—Continued

| Division and State    | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earnings<br>(average<br>number) | Wages   | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>horse-<br>power |
|-----------------------|---------------------|--|---|---------|----------------------|----------------------|---------------------------------------|----------------------------|
|                       |                     |  |   |         |                      |                      |                                       |                            |
|                       |                     |  |   |         |                      |                      |                                       |                            |
| South Atlantic—Contd. |                     |  |   |         |                      |                      |                                       |                            |
| West Virginia.....    | 1925                | 1,395                                      | 80,700                                  | 106,892 | 260,881              | 470,821              | 209,940                               | 431,981                    |
|                       | 1923                | 1,483                                      | 85,641                                  | 106,921 | 258,743              | 478,957              | 220,214                               | 371,616                    |
|                       | 1921                | 1,545                                      | 60,514                                  | 78,531  | 170,516              | 309,984              | 139,468                               | .....                      |
|                       | 1919                | 2,785                                      | 83,036                                  | 101,840 | 270,941              | 471,971              | 201,030                               | 328,455                    |
|                       | 1914                | 2,749                                      | 71,078                                  | 43,784  | 110,033              | 193,512              | 83,479                                | 278,219                    |
| North Carolina.....   | 1925                | 2,614                                      | 182,234                                 | 134,237 | 550,707              | 1,050,434            | 499,727                               | 800,051                    |
|                       | 1923                | 2,670                                      | 173,687                                 | 127,538 | 516,149              | 951,911              | 435,762                               | 702,632                    |
|                       | 1921                | 2,602                                      | 135,833                                 | 94,235  | 379,965              | 665,118              | 284,153                               | .....                      |
|                       | 1919                | 5,999                                      | 157,659                                 | 126,680 | 526,906              | 943,808              | 416,902                               | 549,808                    |
|                       | 1914                | 5,507                                      | 136,844                                 | 46,038  | 169,942              | 289,412              | 119,470                               | 506,352                    |
| South Carolina.....   | 1925                | 1,134                                      | 100,144                                 | 67,062  | 240,304              | 373,340              | 133,056                               | 423,369                    |
|                       | 1923                | 1,180                                      | 96,802                                  | 64,753  | 221,340              | 360,446              | 139,306                               | 407,735                    |
|                       | 1921                | 1,104                                      | 76,341                                  | 51,403  | 141,732              | 236,212              | 94,480                                | .....                      |
|                       | 1919                | 2,004                                      | 79,450                                  | 62,565  | 227,986              | 381,453              | 153,467                               | 395,406                    |
|                       | 1914                | 1,885                                      | 71,824                                  | 24,173  | 91,009               | 138,891              | 47,882                                | 335,710                    |
| Georgia.....          | 1925                | 2,876                                      | 141,173                                 | 99,210  | 399,351              | 648,852              | 249,501                               | 523,334                    |
|                       | 1923                | 3,050                                      | 137,452                                 | 92,129  | 361,468              | 604,058              | 222,590                               | 449,777                    |
|                       | 1921                | 2,801                                      | 98,235                                  | 69,893  | 243,641              | 380,913              | 137,372                               | .....                      |
|                       | 1919                | 4,803                                      | 123,441                                 | 101,180 | 440,490              | 683,237              | 252,747                               | 433,719                    |
|                       | 1914                | 4,639                                      | 104,461                                 | 38,128  | 160,089              | 253,271              | 93,182                                | 357,130                    |
| Florida.....          | 1925                | 1,863                                      | 66,204                                  | 65,790  | 113,796              | 267,009              | 153,213                               | 144,161                    |
|                       | 1923                | 1,679                                      | 64,975                                  | 52,279  | 81,066               | 185,409              | 104,343                               | 138,040                    |
|                       | 1921                | 1,706                                      | 53,224                                  | 42,674  | 65,824               | 144,026              | 78,202                                | .....                      |
|                       | 1919                | 2,582                                      | 74,415                                  | 67,433  | 92,680               | 213,327              | 120,647                               | 139,091                    |
|                       | 1914                | 2,518                                      | 55,608                                  | 24,822  | 33,816               | 81,112               | 47,296                                | 99,992                     |
| East South Central:   |                     |  |   |         |                      |                      |                                       |                            |
| Kentucky.....         | 1925                | 1,864                                      | 76,580                                  | 84,946  | 255,108              | 453,937              | 198,829                               | 257,065                    |
|                       | 1923                | 1,961                                      | 76,619                                  | 82,551  | 240,849              | 424,812              | 183,963                               | 261,190                    |
|                       | 1921                | 2,024                                      | 58,729                                  | 62,550  | 172,421              | 300,925              | 128,504                               | .....                      |
|                       | 1919                | 3,957                                      | 69,340                                  | 67,034  | 235,716              | 395,660              | 159,945                               | 246,399                    |
|                       | 1914                | 4,184                                      | 64,586                                  | 31,830  | 114,829              | 230,249              | 115,420                               | 237,903                    |
| Tennessee.....        | 1925                | 2,162                                      | 107,645                                 | 95,255  | 358,097              | 601,488              | 243,391                               | 447,529                    |
|                       | 1923                | 2,296                                      | 106,270                                 | 92,294  | 327,208              | 546,499              | 219,291                               | 380,967                    |
|                       | 1921                | 2,238                                      | 75,293                                  | 65,602  | 222,540              | 369,451              | 146,911                               | .....                      |
|                       | 1919                | 4,589                                      | 93,167                                  | 81,355  | 344,766              | 556,253              | 211,486                               | 328,732                    |
|                       | 1914                | 4,775                                      | 74,373                                  | 33,083  | 123,430              | 212,071              | 88,641                                | 286,644                    |
| Alabama.....          | 1925                | 2,349                                      | 116,599                                 | 101,243 | 325,684              | 552,824              | 227,140                               | 697,998                    |
|                       | 1923                | 1,987                                      | 109,566                                 | 95,168  | 322,706              | 540,507              | 217,801                               | 640,738                    |
|                       | 1921                | 1,846                                      | 82,690                                  | 66,705  | 185,667              | 301,803              | 116,136                               | .....                      |
|                       | 1919                | 3,654                                      | 107,159                                 | 96,096  | 300,664              | 492,731              | 192,067                               | 628,287                    |
|                       | 1914                | 3,242                                      | 78,717                                  | 33,897  | 107,411              | 178,798              | 71,386                                | 445,604                    |
| Mississippi.....      | 1925                | 1,706                                      | 65,171                                  | 41,231  | 103,589              | 200,453              | 96,864                                | 211,601                    |
|                       | 1923                | 1,229                                      | 54,324                                  | 39,999  | 67,505               | 178,071              | 90,566                                | 177,627                    |
|                       | 1921                | 1,109                                      | 42,189                                  | 30,156  | 57,912               | 113,616              | 55,704                                | .....                      |
|                       | 1919                | 2,465                                      | 67,560                                  | 51,256  | 96,678               | 197,747              | 101,069                               | 200,772                    |
|                       | 1914                | 2,209                                      | 46,702                                  | 19,177  | 41,340               | 79,550               | 38,210                                | 186,404                    |
| West South Central:   |                     |  |   |         |                      |                      |                                       |                            |
| Arkansas.....         | 1925                | 1,257                                      | 43,977                                  | 37,538  | 110,665              | 195,208              | 84,543                                | 177,011                    |
|                       | 1923                | 1,237                                      | 44,520                                  | 37,748  | 89,737               | 171,288              | 81,551                                | 164,980                    |
|                       | 1921                | 1,283                                      | 33,395                                  | 27,771  | 63,557               | 117,638              | 54,081                                | .....                      |
|                       | 1919                | 3,123                                      | 49,954                                  | 47,186  | 102,812              | 200,313              | 97,500                                | 212,219                    |
|                       | 1914                | 2,604                                      | 41,979                                  | 20,752  | 44,907               | 83,941               | 39,034                                | 177,106                    |
| Louisiana.....        | 1925                | 1,742                                      | 86,058                                  | 79,763  | 465,426              | 710,050              | 244,624                               | 410,298                    |
|                       | 1923                | 1,762                                      | 94,506                                  | 82,871  | 403,974              | 619,822              | 215,848                               | 402,234                    |
|                       | 1921                | 1,830                                      | 84,863                                  | 76,486  | 308,518              | 474,427              | 165,909                               | .....                      |
|                       | 1919                | 2,617                                      | 98,265                                  | 94,406  | 431,404              | 676,190              | 244,786                               | 387,233                    |
|                       | 1914                | 2,311                                      | 77,665                                  | 36,544  | 157,686              | 255,313              | 97,427                                | 354,765                    |
| Oklahoma.....         | 1925                | 1,282                                      | 26,333                                  | 34,211  | 201,147              | 403,295              | 102,148                               | 156,836                    |
|                       | 1923                | 1,231                                      | 25,358                                  | 32,946  | 228,342              | 312,790              | 84,448                                | 152,411                    |
|                       | 1921                | 1,391                                      | 22,153                                  | 29,441  | 202,338              | 281,816              | 79,478                                | .....                      |
|                       | 1919                | 2,446                                      | 29,503                                  | 35,026  | 312,606              | 401,863              | 88,757                                | 120,550                    |
|                       | 1914                | 2,518                                      | 17,443                                  | 11,011  | 70,970               | 162,006              | 81,036                                | 97,103                     |

No. 788.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: BY  
GEOGRAPHIC DIVISIONS AND STATES—Continued

| Division and State                 | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>number) | Wages   | Cost of<br>materials | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Primary<br>power |
|------------------------------------|---------------------|--|--|---------|----------------------|----------------------|---------------------------------------|------------------|
|                                    |                     |  |  |         |                      |                      |                                       |                  |
| West South Central--<br>Continued. |                     |  |  |         |                      |                      |                                       |                  |
| Texas.....                         | 1925                | 2,406                                      | 106,762                                | 116,362 | 646,144              | 1,287,963            | 392,809                               | 672,706          |
|                                    | 1923                | 2,646                                      | 102,066                                | 111,200 | 640,311              | 989,557              | 329,246                               | 647,324          |
|                                    | 1921                | 2,526                                      | 86,527                                 | 103,782 | 565,642              | 836,477              | 270,835                               | —                |
|                                    | 1919                | 5,724                                      | 107,522                                | 116,464 | 701,171              | 999,996              | 298,925                               | 440,294          |
|                                    | 1914                | 5,084                                      | 74,853                                 | 44,821  | 253,144              | 261,279              | 108,135                               | 325,406          |
| Montana:                           |                     |  |  |         |                      |                      |                                       |                  |
| Montana.....                       | 1925                | 606  | 14,777                                 | 21,078  | 146,351              | 205,474              | 59,123                                | 166,239          |
|                                    | 1923                | 679  | 15,943                                 | 24,540  | 128,702              | 174,874              | 46,173                                | 198,516          |
|                                    | 1921                | 571  | 11,394                                 | 16,791  | 49,166               | 80,771               | 31,605                                | —                |
|                                    | 1919                | 1,260                                      | 17,160                                 | 24,743  | 122,182              | 166,665              | 44,513                                | 156,469          |
|                                    | 1914                | 930  | 13,704                                 | 13,001  | 46,744               | 54,446               | 37,702                                | 91,671           |
| Idaho.....                         | 1925                | 480  | 15,764                                 | 20,769  | 53,162               | 94,900               | 43,636                                | 82,522           |
|                                    | 1923                | 530  | 16,847                                 | 22,626  | 43,134               | 87,429               | 44,305                                | 73,146           |
|                                    | 1921                | 455  | 10,783                                 | 15,153  | 36,068               | 57,008               | 21,010                                | —                |
|                                    | 1919                | 923  | 13,917                                 | 18,546  | 43,949               | 80,511               | 36,522                                | 73,269           |
|                                    | 1914                | 668  | 8,919                                  | 7,491   | 14,692               | 28,454               | 13,343                                | 30,267           |
| Wyoming.....                       | 1925                | 224  | 6,233                                  | 40,536  | 76,073               | 107,965              | 31,912                                | 26,721           |
|                                    | 1923                | 240  | 7,510                                  | 12,523  | 69,660               | 110,632              | 46,937                                | 28,969           |
|                                    | 1921                | 264  | 7,264                                  | 13,690  | 48,390               | 80,247               | 31,927                                | —                |
|                                    | 1919                | 576  | 6,594                                  | 11,189  | 42,281               | 81,445               | 36,196                                | 17,664           |
|                                    | 1914                | 237  | 2,960                                  | 2,312   | 5,659                | 11,226               | 5,664                                 | 10,699           |
| Colorado.....                      | 1925                | 1,416                                      | 31,967                                 | 43,006  | 171,192              | 278,778              | 107,586                               | 219,686          |
|                                    | 1923                | 1,265                                      | 31,060                                 | 40,470  | 145,208              | 262,737              | 104,526                               | 175,209          |
|                                    | 1921                | 1,479                                      | 27,469                                 | 36,444  | 145,746              | 219,226              | 73,476                                | —                |
|                                    | 1919                | 2,681                                      | 25,254                                 | 42,876  | 174,870              | 275,622              | 100,732                               | 266,116          |
|                                    | 1914                | 2,126                                      | 27,278                                 | 20,200  | 89,736               | 126,699              | 47,653                                | 162,761          |
| New Mexico.....                    | 1925                | 200  | 4,629                                  | 5,063   | 9,664                | 19,458               | 9,774                                 | 18,642           |
|                                    | 1923                | 186  | 5,459                                  | 6,464   | 9,964                | 20,422               | 10,466                                | 16,663           |
|                                    | 1921                | 194  | 4,477                                  | 4,890   | 6,189                | 13,997               | 7,738                                 | —                |
|                                    | 1919                | 367  | 5,736                                  | 6,666   | 7,727                | 17,857               | 10,129                                | 17,260           |
|                                    | 1914                | 368  | 3,776                                  | 2,695   | 4,430                | 9,239                | 4,990                                 | 12,468           |
| Arizona.....                       | 1925                | 294  | 9,127                                  | 11,506  | 92,271               | 128,782              | 46,511                                | 102,127          |
|                                    | 1923                | 283  | 9,006                                  | 12,635  | 50,903               | 123,377              | 42,264                                | 126,531          |
|                                    | 1921                | 269  | 4,774                                  | 6,810   | 26,496               | 39,110               | 12,615                                | —                |
|                                    | 1919                | 480  | 8,528                                  | 12,015  | 92,645               | 120,769              | 28,124                                | 103,968          |
|                                    | 1914                | 322  | 6,966                                  | 6,229   | 39,282               | 64,090               | 24,807                                | 54,096           |
| Utah.....                          | 1925                | 517  | 15,077                                 | 18,199  | 127,543              | 177,225              | 49,682                                | 124,735          |
|                                    | 1923                | 579  | 14,901                                 | 18,309  | 113,786              | 160,957              | 47,172                                | 76,567           |
|                                    | 1921                | 641  | 13,291                                 | 18,370  | 74,593               | 110,666              | 36,073                                | —                |
|                                    | 1919                | 1,160                                      | 18,668                                 | 21,455  | 110,184              | 156,933              | 46,779                                | 92,797           |
|                                    | 1914                | 1,109                                      | 13,894                                 | 10,852  | 62,233               | 87,112               | 24,879                                | 59,526           |
| Nevada.....                        | 1925                | 102  | 2,670                                  | 4,474   | 12,084               | 21,626               | 9,542                                 | 14,604           |
|                                    | 1923                | 104  | 3,365                                  | 5,346   | 12,387               | 22,242               | 9,855                                 | 27,928           |
|                                    | 1921                | 107  | 2,393                                  | 4,020   | 7,696                | 13,371               | 5,475                                 | —                |
|                                    | 1919                | 166  | 3,119                                  | 4,318   | 16,491               | 22,874               | 6,394                                 | 19,874           |
|                                    | 1914                | 180  | 3,656                                  | 3,578   | 9,317                | 16,083               | 6,706                                 | 15,744           |
| Pacific:                           |                     |  |  |         |                      |                      |                                       |                  |
| Washington.....                    | 1925                | 3,216                                      | 106,893                                | 146,225 | 372,759              | 659,240              | 286,581                               | 748,110          |
|                                    | 1923                | 3,008                                      | 111,467                                | 156,227 | 369,178              | 674,411              | 305,223                               | 592,867          |
|                                    | 1921                | 2,868                                      | 77,388                                 | 99,014  | 257,641              | 445,375              | 187,724                               | —                |
|                                    | 1919                | 4,918                                      | 132,926                                | 194,966 | 443,178              | 809,623              | 366,445                               | 652,073          |
|                                    | 1914                | 3,829                                      | 67,205                                 | 51,703  | 136,609              | 245,326              | 108,717                               | 269,244          |
| Oregon.....                        | 1925                | 1,908                                      | 59,579                                 | 76,209  | 193,609              | 352,949              | 159,340                               | 387,749          |
|                                    | 1923                | 1,902                                      | 62,513                                 | 81,640  | 193,363              | 360,256              | 166,863                               | 321,442          |
|                                    | 1921                | 1,723                                      | 40,032                                 | 49,264  | 121,532              | 220,739              | 99,207                                | —                |
|                                    | 1919                | 2,707                                      | 58,559                                 | 81,094  | 206,206              | 366,783              | 180,577                               | 302,765          |
|                                    | 1914                | 2,320                                      | 28,829                                 | 20,932  | 65,258               | 109,762              | 46,504                                | 214,165          |
| California.....                    | 1925                | 9,636                                      | 249,562                                | 350,835 | 1,474,887            | 2,442,962            | 968,065                               | 1,133,160        |
|                                    | 1923                | 9,148                                      | 245,416                                | 352,193 | 1,261,835            | 2,186,299            | 924,404                               | 998,694          |
|                                    | 1921                | 8,821                                      | 197,008                                | 283,490 | 1,075,941            | 1,738,090            | 657,146                               | —                |
|                                    | 1919                | 11,942                                     | 243,692                                | 305,207 | 1,218,820            | 1,961,203            | 762,346                               | 765,166          |
|                                    | 1914                | 10,057                                     | 189,481                                | 106,613 | 447,476              | 712,601              | 264,326                               | 426,499          |

Source: Bureau of the Census, Department of Commerce.

### No. 760.—INDEXES OF QUANTITATIVE VOLUME OF PRODUCTION OF MANUFACTURING AND MINING INDUSTRY

[NOTE.—Based on the monthly average for 1923-1925 as 100. The manufacturing index here given is adjusted according to the varying length of the month in working days. The mineral index is unadjusted. The former covers 75 commodities and the latter 9]

| Month     | Manufacturing (adjusted) |      |      |      |      |      |      | Minerals |      |      |      |      |      |      |
|-----------|--------------------------|------|------|------|------|------|------|----------|------|------|------|------|------|------|
|           | 1921                     | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1921     | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 |
| January.. | 71                       | 71   | 94   | 94   | 97   | 102  | 96   | 78       | 72   | 99   | 102  | 103  | 91   | 112  |
| February  | 70                       | 77   | 101  | 102  | 104  | 109  | 106  | 68       | 75   | 87   | 95   | 88   | 85   | 104  |
| March     | 71                       | 78   | 105  | 103  | 108  | 111  | 112  | 71       | 91   | 100  | 95   | 91   | 101  | 113  |
| April     | 72                       | 84   | 110  | 100  | 106  | 111  | 112  | 67       | 46   | 95   | 83   | 91   | 96   | 97   |
| May       | 74                       | 85   | 107  | 91   | 106  | 109  | 114  | 74       | 54   | 110  | 95   | 105  | 103  | 108  |
| June      | 79                       | 91   | 107  | 90   | 104  | 109  | 112  | 75       | 51   | 112  | 94   | 104  | 109  | 106  |
| July      | 73                       | 90   | 101  | 84   | 103  | 104  | 106  | 71       | 60   | 114  | 97   | 106  | 112  | 103  |
| August    | 73                       | 87   | 98   | 89   | 99   | 111  | 106  | 76       | 66   | 119  | 97   | 114  | 117  | 115  |
| September | 75                       | 88   | 101  | 94   | 104  | 111  | 106  | 73       | 86   | 103  | 102  | 96   | 117  | 110  |
| October   | 76                       | 96   | 102  | 97   | 109  | 111  | 106  | 81       | 96   | 117  | 108  | 102  | 125  | 114  |
| November  | 75                       | 97   | 98   | 95   | 107  | 104  | 99   | 71       | 94   | 105  | 94   | 94   | 120  | 103  |
| December  | 69                       | 96   | 96   | 94   | 102  | 96   | 93   | 66       | 92   | 93   | 96   | 91   | 115  | 99   |

Source: Survey of Current Business, Department of Commerce.

### No. 761.—MANUFACTURING PRODUCTION: INDEXES OF QUANTITATIVE VOLUME, FOR GROUPS OF INDUSTRIES

[NOTE.—Based on the monthly average for 1923-1925 as 100. These indexes cover the 75 commodities totaled in Table 760. They are not adjusted for length of month or seasonal variations]

| Year and month | Food-stuffs | Textiles | Iron and steel | Lumber | Leather | Paper and printing | Chemicals and oils | Stone, clay, and glass products | Metals, non-ferrous | Tobacco | Rubber products | Vehicles | Miscellaneous |
|----------------|-------------|----------|----------------|--------|---------|--------------------|--------------------|---------------------------------|---------------------|---------|-----------------|----------|---------------|
| 1921           | 84          | 90       | 47             | 64     | 95      | 72                 | 63                 | 66                              | 38                  | 85      | 55              | 68       | 68            |
| 1922           | 92          | 101      | 80             | 87     | 101     | 88                 | 75                 | 77                              | 66                  | 89      | 79              | 90       | 90            |
| 1923           | 100         | 100      | 105            | 96     | 109     | 96                 | 93                 | 96                              | 93                  | 96      | 87              | 97       | 97            |
| 1924           | 101         | 92       | 90             | 96     | 94      | 99                 | 96                 | 96                              | 100                 | 99      | 98              | 96       | 96            |
| 1925           | 100         | 102      | 105            | 107    | 97      | 105                | 112                | 109                             | 107                 | 105     | 115             | 108      | 108           |
| 1926           | 104         | 101      | 109            | 103    | 97      | 112                | 123                | 109                             | 112                 | 112     | 112             | 106      | 116           |
| 1927           | 104         | 106      | 101            | 96     | 103     | 114                | 125                | 111                             | 110                 | 116     | 116             | 90       | 115           |
| 1928           |             |          |                |        |         |                    |                    |                                 |                     |         |                 |          |               |
| January        | 96          | 104      | 113            | 96     | 86      | 109                | 125                | 80                              | 111                 | 101     | 109             | 85       | 90            |
| February       | 85          | 108      | 104            | 101    | 91      | 104                | 115                | 64                              | 106                 | 96      | 104             | 103      | 103           |
| March          | 97          | 112      | 124            | 112    | 106     | 117                | 121                | 99                              | 112                 | 116     | 117             | 123      | 125           |
| April          | 96          | 103      | 114            | 106    | 96      | 116                | 115                | 105                             | 115                 | 105     | 116             | 130      | 124           |
| May            | 109         | 94       | 111            | 107    | 85      | 117                | 115                | 126                             | 113                 | 108     | 117             | 121      | 124           |
| June           | 121         | 95       | 105            | 107    | 95      | 108                | 112                | 126                             | 105                 | 123     | 108             | 119      | 124           |
| July           | 126         | 87       | 104            | 103    | 91      | 101                | 115                | 118                             | 104                 | 117     | 101             | 107      | 111           |
| August         | 133         | 93       | 113            | 104    | 104     | 105                | 116                | 120                             | 107                 | 120     | 105             | 124      | 115           |
| September      | 105         | 103      | 108            | 106    | 110     | 114                | 126                | 119                             | 109                 | 121     | 114             | 110      | 122           |
| October        | 98          | 106      | 111            | 104    | 111     | 124                | 138                | 122                             | 118                 | 124     | 124             | 96       | 123           |
| November       | 89          | 106      | 106            | 96     | 96      | 119                | 137                | 116                             | 123                 | 115     | 119             | 78       | 110           |
| December       | 90          | 107      | 96             | 90     | 95      | 115                | 137                | 91                              | 119                 | 95      | 115             | 64       | 108           |
| 1927           |             |          |                |        |         |                    |                    |                                 |                     |         |                 |          |               |
| January        | 90          | 106      | 103            | 87     | 92      | 113                | 134                | 73                              | 121                 | 105     | 106             | 62       | 82            |
| February       | 83          | 106      | 103            | 90     | 99      | 105                | 120                | 63                              | 109                 | 97      | 108             | 88       | 95            |
| March          | 97          | 123      | 125            | 97     | 111     | 119                | 130                | 107                             | 114                 | 116     | 134             | 123      | 118           |
| April          | 96          | 109      | 115            | 92     | 104     | 121                | 120                | 115                             | 111                 | 110     | 126             | 127      | 131           |
| May            | 112         | 110      | 114            | 101    | 94      | 119                | 118                | 128                             | 112                 | 120     | 133             | 126      | 120           |
| June           | 124         | 112      | 100            | 103    | 103     | 111                | 114                | 127                             | 107                 | 124     | 133             | 113      | 120           |
| July           | 133         | 99       | 89             | 96     | 100     | 103                | 117                | 125                             | 103                 | 118     | 110             | 85       | 101           |
| August         | 123         | 110      | 100            | 107    | 122     | 107                | 120                | 132                             | 107                 | 121     | 123             | 96       | 113           |
| September      | 104         | 110      | 91             | 103    | 118     | 113                | 127                | 127                             | 102                 | 130     | 108             | 86       | 127           |
| October        | 101         | 110      | 92             | 99     | 113     | 120                | 138                | 131                             | 112                 | 126     | 105             | 66       | 129           |
| November       | 92          | 109      | 88             | 94     | 95      | 118                | 133                | 115                             | 109                 | 122     | 99              | 51       | 124           |
| December       | 92          | 99       | 86             | 83     | 89      | 116                | 130                | 96                              | 115                 | 94      | 99              | 54       | 116           |

Source: Survey of Current Business, Department of Commerce.

## No. 782.—TEXTILE MANUFACTURES: PRODUCTION

(NOTE.—In general, most of the articles listed are finished products, but large quantities of partly finished products, especially yarn, made for sale to other establishments of the same or other branches of the textile industry are included. This involves considerable duplication in total value of products and in cost of material. The products listed under each branch of the textile industry represent only the output of concerns classified as engaged primarily in that branch. Certain quantities, usually small, of some of the products are also made in establishments classed under other branches. In 1925, these amounts were as follows: Cotton goods, \$5,461,533 (not including cordage and twine mills); cotton-lace goods, \$312,820; other knit goods, \$2,265,816; silk goods, \$4,729,234; woolen and worsted goods, \$9,595,481; felt goods, \$803,528; wool-felt hats, \$472,093; carpets and rugs, \$150,572; cordage and twine and jute and linen goods, \$10,956,594; fur-felt hats, \$322,513; olecloth, linoleum, and asphalted-felt-base floor coverings, \$1,582,984; artificial leather, \$585,312.)

| Industry and product  | Quantity (thousands of unit specified) |           |           |           | Value (thousands of dollars) |           |           |
|---|--|-----------|-----------|-----------|------------------------------|-----------|-----------|
|   | Unit                                   | 1914      | 1923      | 1925      | 1914                         | 1923      | 1925      |
| <b>COTTON-GOODS INDUSTRIES</b>                                    |  |           |           |           |                              |           |           |
| All products, total value.....                                    |  |           |           |           | 682,684                      | 1,874,340 | 1,709,640 |
| Sheetings.....  | Sq. yards.....                         | 2,605,627 | 1,606,820 | 1,638,160 | 122,382                      | 208,398   | 122,382   |
| Print cloth.....  | do.....                                |           | 1,578,195 | 1,105,374 |                              | 144,654   | 98,428    |
| Voiles.....   | do.....                                |           | 124,700   | 124,679   |                              | 18,120    | 18,497    |
| Lawns, nainsooks, cambrics, and similar muslins.....              | do.....                                | 1,162,342 | 267,300   | 222,687   | 62,312                       | 27,277    | 42,220    |
| Tobacco, cheese, butter, bunting, and bandage cloths.....         | do.....                                |           | 402,212   | 451,093   |                              | 38,110    | 14,220    |
| Ginghams.....   | do.....                                | 489,661   | 571,045   | 255,476   | 24,708                       | 98,695    | 57,601    |
| Shirtings.....  | do.....                                | 126,226   | 341,224   | 445,307   | 15,948                       | 72,326    | 79,307    |
| Drills.....   | do.....                                | 292,970   | 268,421   | 264,115   | 21,367                       | 45,702    | 42,300    |
| Twills and satens.....  | do.....                                | 282,100   | 459,880   | 522,621   | 22,802                       | 91,500    | 84,122    |
| Ticks and denims.....   | do.....                                | 220,330   | 279,140   | 238,884   | 24,940                       | 71,622    | 68,207    |
| Osnaburgs.....  | do.....                                | (1)       | 100,101   | 118,000   | (1)                          | 12,000    | 12,400    |
| Cotton flannel (canton flannel, flannellet, and blanketings)..... | do.....                                | 225,862   | 261,307   | 340,416   | 24,202                       | 95,695    | 65,607    |
| Tire duck.....  | do.....                                |           | 62,200    | 40,702    |                              | 42,224    | 18,000    |
| Ducks (except tire).....  | do.....                                | 251,808   | 167,084   | 193,334   | 40,170                       | 57,102    | 52,627    |
| Tire fabrics (except tire duck).....                              | do.....                                | (1)       | 158,200   | 201,305   | (1)                          | 63,766    | 62,907    |
| Tapestries.....   | do.....                                | 10,128    | 20,064    | 15,737    | 5,412                        | 20,800    | 17,200    |
| Pile fabrics:   |  |           |           |           |                              |           |           |
| Plushes, velvets, velvet-cens, etc.....                           | do.....                                |           | 27,711    | 32,478    |                              | 26,621    | 40,679    |
| Corduroys.....  | do.....                                | 20,120    | 27,200    | 21,603    | 3,540                        | 12,043    | 9,552     |
| Turkish towels and towelings.....                                 | do.....                                |           | 47,446    | 50,008    |                              | 16,125    | 18,252    |
| Towels, etc. (except pile fabrics).....                           | do.....                                | 75,700    | 75,200    | 75,908    | 19,806                       | 20,568    | 19,207    |
| Cotton table damask.....  | do.....                                | (1)       | 40,905    | 52,468    | (1)                          | 10,852    | 12,460    |
| Blankets.....   | do.....                                | (1)       | 88,000    | 92,077    | (1)                          | 24,712    | 22,508    |
| Bedspreads and quilts (crochet, marseilles, and satin).....       | do.....                                | (1)       | 35,601    | 52,637    | (1)                          | 12,552    | 16,708    |
| Bags and bagging.....   | do.....                                | 120,357   | 161,917   | 107,724   | 9,708                        | 19,215    | 12,606    |
| Small wares.....  |  |           |           |           | 14,927                       | 72,775    | 67,127    |
| Yarns for sale.....   | Pound.....                             | 497,967   | 620,897   | 628,170   | 127,204                      | 242,750   | 212,907   |
| Thread.....   | do.....                                | 20,507    | 31,646    | 37,885    | 22,917                       | 56,311    | 60,876    |
| Baiting, wadding, and mattress felts.....                         | do.....                                | (1)       | 100,570   | 90,681    | (1)                          | 16,646    | 14,134    |
| Cotton waste for sale.....  | do.....                                | 217,300   | 272,490   | 412,604   | 14,422                       | 37,350    | 40,624    |
| All other products.....   |  |           |           |           | 80,160                       | 184,727   | 215,421   |
| <b>COTTON-LACE INDUSTRY</b>                                       |  |           |           |           |                              |           |           |
| All products, total value.....                                    |  |           |           |           | 12,207                       | 25,792    | 20,940    |
| Nottingham lace curtains.....                                     | Pairs.....                             | 5,591     | 6,038     | 4,560     | 4,679                        | 12,044    | 10,277    |
| Nottingham lace curtain nets.....                                 | Lin. yard.....                         | 7,506     | 30,278    | 28,612    | 1,258                        | 10,312    | 8,822     |
| Lovers laces.....   | Sq. yard.....                          | 7,237     | 10,524    | 8,982     | 2,681                        | 8,020     | 6,540     |
| All other products.....   |  |           |           |           | 2,580                        | 4,507     | 5,195     |
| <b>KNIT GOODS</b>   |  |           |           |           |                              |           |           |
| All products, total value.....                                    |  |           |           |           | 252,912                      | 845,177   | 600,000   |
| Hose.....   | Doz. pair.....                         | 44,106    | 50,615    | 59,697    | 63,145                       | 278,887   | 202,219   |
| Half hose.....  | do.....                                | 30,978    | 37,818    | 40,180    | 24,954                       | 90,846    | 101,646   |

<sup>1</sup> Not reported separately.

<sup>2</sup> Includes "All other terry weaves."

<sup>3</sup> Not strictly comparable with 1923 and 1925 because of changes in classification of certain products.



## No. 762.—TEXTILE MANUFACTURES: PRODUCTION—Continued

| Industry and product   | Quantity (thousands of unit specified) |                  |                  |         | Value (thousands of dollars) |           |         |
|--|--|------------------|------------------|---------|------------------------------|-----------|---------|
|  | Unit                                   | 1914             | 1922             | 1925    | 1914                         | 1922      | 1925    |
| KNIT GOODS—continued   |  |                  |                  |         |                              |           |         |
| Sueded cotton gloves.....  | Doz. pair                              | 2,470            | 95               | 70      | 10,520                       | 890       | 744     |
| Gloves and mittens (except<br>sueded)                                  | do.                                    |                  | 1,999            | 1,231   |                              | 15,888    | 8,340   |
| Shirts and drawers.....  | Dzns.                                  | 21,759           | 12,747           | 11,262  | 57,523                       | 61,083    | 60,845  |
| Union suits.....   | do.                                    | 6,273            | 10,746           | 11,500  | 35,596                       | 99,219    | 99,215  |
| Bathing suits.....   | do.                                    | 274              | 972              | 695     | 2,034                        | 17,554    | 16,322  |
| Scarfs and shawls.....   | do.                                    | 63               | 980              | 492     | 714                          | 10,356    | 4,051   |
| Headwear.....  | do.                                    | 987              | 843              | 805     | 2,456                        | 4,813     | 4,511   |
| Neckties.....  | do.                                    | ( <sup>1</sup> ) | 3,324            | 2,706   | ( <sup>1</sup> )             | 12,317    | 8,961   |
| Jersey cloth and tricollette.....                                      | Sq. yard                               | 10,594           | 38,703           | 42,172  | 4,379                        | 43,367    | 36,451  |
| Stockinette.....   | do.                                    |                  | ( <sup>2</sup> ) |         |                              | 2,836     | 2,168   |
| Glove and shoe linings.....  | do.                                    | 6,222            | ( <sup>3</sup> ) |         | 670                          | 5,856     | 4,622   |
| Towels and toweling.....   | do.                                    | ( <sup>1</sup> ) | 1,055            | 976     | ( <sup>1</sup> )             | 735       | 701     |
| Cotton yarns for sale.....   | Pound                                  | 17,053           | 14,735           | 8,098   | 3,990                        | 6,946     | 3,639   |
| Cotton waste for sale.....   | do.                                    | 12,999           | 18,216           | 12,309  | 629                          | 1,899     | 1,321   |
| All other products.....  |  |                  |                  |         | 41,303                       | 185,025   | 153,584 |
| SILK GOODS   |  |                  |                  |         |                              |           |         |
| All products, total value.....   |  |                  |                  |         | 354,011                      | 761,372   | 606,979 |
| Broad silk   |  |                  |                  |         |                              |           |         |
| All silk.....  | Sq. yard                               | 142,713          | 271,820          | 384,725 | 96,690                       | 332,843   | 426,000 |
| Silk mixed.....  | do.                                    | 73,320           | 104,492          | 96,391  | 41,030                       | 123,240   | 103,121 |
| Velvets.....   | do.                                    | 16,318           | 9,109            | 6,078   | 8,570                        | 23,880    | 14,525  |
| Plushes.....   | do.                                    | 9,115            | 7,117            | 925     | 10,136                       | 17,217    | 2,352   |
| Upholstery and tapestry.....   | do.                                    | 478              | 3,799            | 2,675   | 840                          | 10,638    | 5,037   |
| Organzine, tram, and crêpe<br>twist for sale.....                      | Pound                                  | 4,070            | 8,433            | 10,863  | 16,024                       | 67,417    | 71,639  |
| Spun silk for sale.....  | do.                                    | 1,607            | 3,486            | 3,489   | 4,577                        | 14,729    | 15,203  |
| Machine twist.....   | do.                                    | 660              | 1,100            | 860     | 4,037                        | 11,410    | 8,971   |
| Sewing, embroidery, and other<br>Boss silks.....                       | do.                                    | 902              | 652              | 764     | 5,645                        | 6,780     | 6,020   |
| Ribbons.....   |  |                  |                  |         | 38,201                       | 52,122    | 52,051  |
| Laces, embroideries, nets,<br>veils, veilings, etc.....                |  |                  |                  |         | 1,329                        | 2,893     | 1,326   |
| Fringes and gimps.....   |  |                  |                  |         | 1,025                        | 10,278    | 6,794   |
| Braids and binding.....  |  |                  |                  |         | 3,073                        | 17,556    | 14,513  |
| All other products.....  |  |                  |                  |         | 22,834                       | 70,321    | 81,417  |
| WOOLLEN AND WORSTED GOODS  |  |                  |                  |         |                              |           |         |
| All products, total value.....   |  |                  |                  |         | 379,484                      | 1,063,553 | 937,798 |
| Suitings, dress goods, over-<br>coatings, and cloakings,<br>total..... | Sq. yard                               | 456,044          | 512,139          | 469,872 | 335,310                      | 657,233   | 566,263 |
| All-wool woolen.....   | do.                                    | 90,950           | 172,028          | 153,323 | 53,660                       | 231,211   | 198,964 |
| All-wool worsted.....  | do.                                    | 222,421          | 210,988          | 179,163 | 141,778                      | 333,959   | 275,617 |
| Wool and cotton mixed.....   | do.                                    | 31,400           | 24,732           | 26,124  | 11,711                       | 26,261    | 25,943  |
| Cotton-warp woolen.....  | do.                                    | 53,310           | 63,203           | 60,933  | 13,598                       | 37,092    | 40,029  |
| Cotton-warp worsted.....   | do.                                    | 56,763           | 41,188           | 41,379  | 15,563                       | 28,800    | 25,749  |
| Flannels for underwear (all<br>wool).....                              | do.                                    | 2,176            | 2,843            | 872     | 880                          | 2,120     | 299     |
| Flannels for underwear (cot-<br>ton mixed).....                        | do.                                    | 4,996            | 3,777            | 999     | 1,090                        | 1,636     | 649     |
| Domest flannels and shirtings.....                                     | do.                                    | 16,092           | 6,155            | 7,206   | 2,814                        | 2,596     | 3,440   |
| Satinets and linseys.....  | do.                                    | 8,415            | 6,107            | 11,877  | 1,535                        | 2,278     | 4,244   |
| Blankets, all-wool.....  | do.                                    | 6,490            | 11,872           | 11,084  | 4,187                        | 9,321     | 10,990  |
| Horse blankets.....  | do.                                    | 8,165            | 2,475            | 1,410   | 2,018                        | 1,339     | 787     |
| Yarns for sale.....  | Pound                                  | 132,560          | 179,455          | 151,000 | 65,872                       | 252,242   | 210,692 |
| Wool and wool waste for sale.....                                      | do.                                    | 50,395           | 55,110           | 42,591  | 10,140                       | 19,297    | 17,887  |
| All other products.....  |  |                  |                  |         | 32,638                       | 114,497   | 142,502 |
| FELT GOODS   |  |                  |                  |         |                              |           |         |
| All products, total value.....   |  |                  |                  |         | 13,893                       | 43,937    | 43,776  |
| Felt cloths.....   | Pound                                  |                  | 6,404            | 6,391   | 797                          | 13,577    | 15,821  |
| Trimming and lining felts,<br>skirts and skirtings.....                | do.                                    |                  | 3,318            | 2,690   | 1,321                        | 2,421     | 2,098   |
| Boot and shoe linings.....   | do.                                    |                  | 1,581            | 1,163   | 1,513                        | 1,336     | 957     |
| Hair felting.....  | do.                                    |                  | 27,946           | 31,058  | 635                          | 4,025     | 5,209   |
| All other felts.....   |  |                  |                  |         | 8,629                        | 17,530    | 16,516  |
| All other products.....  |  |                  |                  |         | 598                          | 2,148     | 3,185   |

<sup>1</sup> Not reported separately.<sup>2</sup> Included in "All other products."<sup>3</sup> No comparable data.<sup>4</sup> Linear yards. Comparable figures in square yards not available.<sup>5</sup> Exclusive of embroideries, which are included in "All other products."

## No. 762.—TEXTILE MANUFACTURES: PRODUCTION—Continued

| Industry and product                       | Quantity (thousands of unit specified) |         |         | Value (thousands of dollars) |        |         |         |
|--|--|---------|---------|------------------------------|--------|---------|---------|
|  | Unit                                   | 1914    | 1923    | 1924                         | 1914   | 1923    | 1924    |
| HATS, WOOL-FELT                            |  |         |         |                              |        |         |         |
| All products, total value.....             |  |         |         |                              | 1,944  | 2,842   | 2,940   |
| Hats.....                                  | Dozen.....                             | 381     | 454     | 434                          | 1,777  | 7,182   | 5,764   |
| Hat bodies and hats in the rough           | do.....                                | 6       | 59      | 124                          | 13     | 479     | 924     |
| All other products.....                    |  |         |         |                              | 154    | 562     | 1,201   |
| CARPETS AND RUGS                           |  |         |         |                              |        |         |         |
| All products, total value.....             |  |         |         |                              | 66,128 | 100,481 | 100,840 |
| Carpets.....                               | Sq. yard.....                          | 17,311  | 21,723  | 21,830                       | 13,187 | 51,525  | 49,030  |
| Rugs, made of sewed strips.....            | do.....                                | 20,855  | 17,943  | 14,264                       | 25,946 | 65,105  | 53,678  |
| Rugs, woven whole.....                     | do.....                                | 28,174  | 43,575  | 35,977                       | 23,581 | 75,528  | 60,357  |
| All other products.....                    |  |         |         |                              | 4,444  | 7,323   | 4,994   |
| WOOL SHODDY                                |  |         |         |                              |        |         |         |
| All products, total value.....             |  |         |         |                              | 7,707  | 18,880  | 21,022  |
| Recovered wool fiber.....                  | Pound.....                             | 43,156  | 55,051  | 57,543                       | 5,977  | 13,679  | 19,057  |
| All other products.....                    |  |         |         |                              | 1,730  | 5,201   | 1,965   |
| CORDAGE AND TWINE AND JUTE AND LINEN GOODS |  |         |         |                              |        |         |         |
| All products, total value.....             |  |         |         |                              | 93,235 | 124,000 | 120,137 |
| Rope, cable, and cordage.....              |  |         |         |                              |        |         |         |
| Manila hemp.....                           | Pound.....                             | 104,909 | 92,266  | 101,006                      | 12,860 | 14,926  | 21,793  |
| Sisal.....                                 | do.....                                | 39,899  | 59,829  | 43,094                       | 2,991  | 5,158   | 6,409   |
| Hennequin.....                             | do.....                                | 13,534  | 6,259   | 5,223                        | 1,042  | 836     | 778     |
| Cotton.....                                | do.....                                | 13,244  | 15,801  | 20,316                       | 2,540  | 6,425   | 7,417   |
| All other.....                             | do.....                                | 20,615  | 34,764  | 58,033                       | 2,097  | 5,648   | 9,051   |
| Twine, binder.....                         | do.....                                | 302,287 | 239,800 | 235,605                      | 24,005 | 23,491  | 29,567  |
| Twine, cotton.....                         | do.....                                | 17,927  | 20,145  | 28,643                       | 3,472  | 8,542   | 10,816  |
| Twine, other.....                          | do.....                                | 87,322  | 99,916  | 54,647                       | 10,525 | 18,276  | 10,680  |
| Yarns for sale.....                        | do.....                                | 75,875  | 99,134  | 97,025                       | 8,320  | 19,213  | 19,367  |
| Linen thread.....                          | do.....                                | 5,708   | 4,054   | 2,815                        | 3,409  | 5,723   | 4,614   |
| Linen woven goods.....                     | Sq. yard.....                          | 10,800  | 6,544   | 7,847                        | 1,766  | 2,812   | 2,934   |
| Jute bagging.....                          | do.....                                | 131,828 | 35,252  | 40,871                       | 6,441  | 2,610   | 6,489   |
| All other products.....                    |  |         |         |                              | 2,677  | 8,427   | 10,624  |
| HATS, FUR-FELT                             |  |         |         |                              |        |         |         |
| All products, total value.....             |  |         |         |                              | 37,860 | 74,353  | 69,063  |
| Hats.....                                  | Dozen.....                             | 2,119   | 1,970   | 1,733                        | 33,004 | 62,423  | 62,274  |
| Hat bodies and hats in the rough           | do.....                                | 329     | 813     | 953                          | 2,873  | 10,171  | 14,401  |
| All other products.....                    |  |         |         |                              | 1,373  | 2,609   | 3,441   |
| FLOOR COVERING AND ARTIFICIAL LEATHER*     |  |         |         |                              |        |         |         |
| All products, total value.....             |  |         |         |                              |        | 119,864 | 126,307 |
| Oilcloth (cotton back).....                | Sq. yard.....                          |         | 81,027  | 61,020                       |        | 18,714  | 18,822  |
| Linooleum (jute back).....                 | do.....                                |         | 53,060  | 52,830                       |        | 44,569  | 44,513  |
| Floor covering (felt back)*.....           | do.....                                |         | 71,076  | 77,889                       |        | 30,240  | 30,028  |
| Artificial leather*.....                   | do.....                                |         | 56,705  | 68,580                       |        | 20,798  | 25,790  |
| All other products.....                    |  |         |         |                              |        | 5,743   | 7,153   |

\* Comparable figures for 1914 not available.

† "Artificial leather" and "Asphalted felt-base floor covering" were given separate classifications for the first time at the census of 1923.

Source: Bureau of the Census, Department of Commerce.

## No. 763.—LEATHER: PRODUCTION BY PRINCIPAL KINDS

[NOTE.—For value of products of the tanning industry see Table 757, p. 763]

| Kind   | 1914             | 1922             | 1923   | 1924   | 1925   | 1926   | 1927   |
|--|------------------|------------------|--------|--------|--------|--------|--------|
| Sole leather, cattle...1,000 backs, bends, and sides | 18,098           | 17,735           | 18,732 | 14,640 | 14,679 | 12,615 | 15,820 |
| Belting leather...1,000 butts and butt bends         | 974              | 1,014            | 1,471  | 1,231  | 809    | 809    | 920    |
| Harness leather...1,000 sides                        | 2,944            | 1,377            | 1,555  | 1,200  | 1,228  | 1,169  | 1,016  |
| Bag case and strap leather...do                      | 1,005            | 1,249            | 1,200  | 1,056  | 1,175  | 1,183  | 1,106  |
| Upholstery leather: <sup>1</sup>                     |                  |                  |        |        |        |        |        |
| Whole-hide grains...1,000 hides                      | 654              | 493              | 490    | 466    | 463    | 405    | 354    |
| Machine buffed...do                                  | ( <sup>2</sup> ) | 224              | 253    | 183    | 163    | 196    | 148    |
| Whole hide splits...1,000 pieces                     | 1,105            | 1,182            | 1,230  | 917    | 832    | 807    | 938    |
| Upper leather (other than patent): <sup>1</sup>      |                  |                  |        |        |        |        |        |
| Cattle (including kip side)...1,000 sides            | 8,258            | 16,432           | 18,571 | 14,329 | 15,328 | 16,476 | 13,450 |
| Calf and kip...1,000 skins                           | 15,869           | 15,435           | 18,004 | 15,981 | 13,821 | 14,943 | 16,160 |
| Goat and kid...do                                    | 29,875           | 47,880           | 46,537 | 34,641 | 40,887 | 48,415 | 49,417 |
| Cabretta...do  | ( <sup>3</sup> ) | 2,232            | 2,696  | 2,380  | 2,412  | 2,344  | 1,551  |
| Sheep and lamb...do                                  | 16,795           | 17,895           | 19,271 | 18,145 | 14,124 | 13,978 | 14,842 |
| Patent leather (other than upholstery): <sup>1</sup> |                  |                  |        |        |        |        |        |
| Cattle (including kip side)...1,000 sides            | 1,791            | 5,472            | 5,666  | 8,854  | 8,828  | 7,459  | 8,388  |
| Horse and colt...1,000 half fronts                   | 1,250            | 932              | 1,080  | 802    | 684    | 610    | 426    |
| Goat and kid...1,000 skins                           | 3,615            | 742              | 446    | 865    | 901    | 504    | 430    |
| Glove leather: <sup>1</sup>                          |                  |                  |        |        |        |        |        |
| Horse, colt, ass, and mule—                          |                  |                  |        |        |        |        |        |
| Half fronts...thousands                              | 614              | 688              | 930    | 1,000  | 1,146  | 1,009  | 1,450  |
| Shanks...do  |                  | 770              | 1,619  | 1,165  | 1,011  | 1,143  | 1,154  |
| Cabretta...1,000 skins                               | ( <sup>2</sup> ) | 625              | 1,428  | 1,197  | 1,678  | 2,071  | 1,820  |
| Sheep and lamb...do                                  | 3,912            | 6,776            | 7,789  | 5,561  | 5,326  | 5,297  | 7,576  |
| Fancy and bookbinders' leather: <sup>1</sup>         |                  |                  |        |        |        |        |        |
| Sheep and lamb...1,000 skins                         | 2,661            | 2,654            | 2,987  | 2,847  | 1,984  | 2,369  | 2,825  |
| Splits (other than upholstery)...1,000 pieces        | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 12,545 | 16,055 | 19,700 | 20,492 | 20,469 |

<sup>1</sup> Figures shown for principal kinds only.<sup>2</sup> Not available.<sup>3</sup> Reported as "fancy" only.

Source: Bureau of the Census, Department of Commerce.

## No. 764.—BOOTS AND SHOES: PRODUCTION

[NOTE.—Detailed value data were not collected at the censuses. For total value of products of the industry see Table 757, p. 763. Data for 1922 to 1927 compiled from monthly reports of manufacturers]

[In thousands of pairs]

| Year | Total   | Men's   | Boys' and youths' | Women's | Misses' and children's | Infants' | Athletic and sporting (leather) | Canvas and other textile | Not specified (including slippers) |
|------|---------|---------|-------------------|---------|------------------------|----------|---------------------------------|--------------------------|------------------------------------|
| 1914 | 292,666 | 88,031  | 22,696            | 80,916  | 48,322                 | 15,477   | ( <sup>1</sup> )                | ( <sup>2</sup> )         | 27,024                             |
| 1919 | 331,226 | 95,017  | 26,504            | 104,813 | 48,538                 | 16,669   | 586                             | 11,056                   | 28,042                             |
| 1921 | 286,771 | 66,458  | 18,462            | 101,474 | 35,066                 | 17,379   | 5,547                           | 8,603                    | 30,784                             |
| 1922 | 323,376 | 89,984  | 21,632            | 105,368 | 39,444                 | 23,939   | 8,448                           | 6,739                    | 28,823                             |
| 1923 | 351,114 | 100,283 | 22,239            | 109,676 | 40,136                 | 27,015   | 6,434                           | 8,347                    | 36,964                             |
| 1924 | 313,230 | 84,663  | 20,274            | 104,135 | 35,694                 | 23,823   | 5,863                           | 6,200                    | 32,529                             |
| 1925 | 323,553 | 86,546  | 21,021            | 104,782 | 36,691                 | 24,687   | 5,914                           | 8,564                    | 33,448                             |
| 1926 | 324,514 | 86,644  | 21,111            | 110,447 | 38,577                 | 24,041   | 5,318                           | 4,780                    | 33,566                             |
| 1927 | 343,608 | 95,328  | 24,229            | 116,250 | 39,650                 | 24,542   | 2,478                           | 3,201                    | 37,819                             |

<sup>1</sup> Not reported separately; included with "not specified, etc."<sup>2</sup> Excludes certain kinds of heavy footwear formerly classified as "athletic" but properly included with men's.

Source: Bureau of the Census, Department of Commerce.

## No. 765.—RUBBER MANUFACTURING INDUSTRY: Prospects

| Product                                     | Quantity (thousands of units specified) |         |          | Value (thousands of dollars) |          |          |
|---|---|---------|----------|------------------------------|----------|----------|
|   | Unit                                    | 1914    | 1913     | 1912                         | 1911     | 1910     |
| All products, total value                   |   |         |          | 300, 994                     | 258, 818 | 243, 454 |
| Tires and inner tubes.                      |   |         |          |                              |          |          |
| Pneumatic—                                  |   |         |          |                              |          |          |
| Automobile and truck                        | Number                                  | 15, 929 | 102, 655 | 136, 172                     | 125, 790 | 555, 080 |
| Motor cycle and bicycle                     | do.                                     | 3, 728  | 4, 311   | 2, 512                       | 6, 906   | 5, 689   |
| Solid                                       |   |         |          |                              |          |          |
| Truck                                       | do.                                     | (1)     | 944      | 1, 035                       | (1)      | 29, 061  |
| All other                                   | do.                                     | (1)     |          |                              | 13, 736  | 1, 291   |
| Boots, rubber                               | Pair                                    | 4, 024  | 9, 098   | 4, 739                       | 12, 648  | 29, 573  |
| Shoes and overshoes, rubber                 | do.                                     | 57, 212 | 60, 103  | 52, 339                      | 37, 848  | 53, 031  |
| Shoes, canvas, with rubber soles            | do.                                     | (1)     | 26, 114  | 25, 000                      | (1)      | 28, 382  |
| Heels, sold as such or on hand              | do.                                     | (1)     | 260, 222 | 242, 196                     | (1)      | 23, 691  |
| Soles, including composition or fiber       | do.                                     | (1)     | 13, 509  | 36, 064                      | (1)      | 4, 908   |
| Rubberized fabrics, sold as such or on hand |   |         |          |                              |          |          |
| Automobile and carriage                     | Yard                                    | (1)     | 32, 039  | 25, 232                      | (1)      | 14, 189  |
| All other                                   | do.                                     | (1)     | 18, 101  | 26, 840                      | (1)      | 6, 570   |
| Belting                                     |   |         |          |                              | 7, 989   | 24, 207  |
| Hose  |   |         |          |                              | 10, 854  | 34, 012  |
| Packing                                     |   |         |          |                              | 3, 808   | 5, 628   |
| Clothing                                    |   |         |          |                              | 6, 799   | 13, 147  |
| Druggists' and stationers' sundries         |   |         |          |                              | 7, 512   | 12, 664  |
| Hard rubber goods                           |   |         |          |                              | (1)      | 25, 134  |
| All other manufactures of rubber            |   |         |          |                              | 41, 384  | 69, 123  |
| Reclaimed rubber                            | Pound                                   | (1)     | 181, 732 | 243, 862                     | 11, 185  | 11, 714  |
| All other products                          |   |         |          |                              | 8, 285   | 2, 154   |

<sup>1</sup> Not reported for 1914.

<sup>2</sup> Included in "All other solid."

Source: Bureau of the Census, Department of Commerce.

## No. 766.—PRINTING AND PUBLISHING: CENSUS STATISTICS

| Publications  | 1914                            | 1910         | 1901         | 1922         | 1935          |
|---|---------------------------------|--------------|--------------|--------------|---------------|
|   | Value (thousands of dollars)    |              |              |              |               |
| Total   | 810, 508                        | 1, 556, 406  | 1, 637, 808  | 2, 031, 350  | 2, 940, 622   |
| Newspapers and periodicals, printed and published or published only | 419, 210                        | 806, 306     | 1, 005, 270  | 1, 154, 786  | 1, 321, 611   |
| Subscriptions and sales   | 163, 577                        | 278, 007     | 328, 282     | 380, 803     | 398, 326      |
| Advertising   | 255, 633                        | 528, 299     | 676, 987     | 793, 983     | 923, 273      |
| Newspapers  | 283, 589                        | 566, 322     | 734, 321     | 802, 497     | 892, 094      |
| Periodicals, other than newspapers                                  | 135, 621                        | 239, 964     | 270, 940     | 351, 290     | 429, 517      |
| Newspapers and periodicals, printed for publication by others       | 6, 577                          | 22, 913      | 35, 301      | 30, 803      | 34, 425       |
| Books and pamphlets   | 87, 637                         | 165, 561     | 166, 063     | 178, 474     | 201, 766      |
| Sheet music and books of music                                      | 7, 626                          | 16, 277      | 14, 298      | 14, 163      | 14, 123       |
| Job printing, general, electrotyping, engraving, and lithographing  | 278, 401                        | 508, 213     | 566, 648     | 628, 067     | 690, 987      |
| Blank books   | 4, 153                          | 6, 954       | 7, 564       |              |               |
| All other products  | 4, 904                          | 10, 184      | 32, 070      | 13, 908      | 4, 761        |
| Newspapers and periodicals  | Aggregate circulation per issue |              |              |              |               |
| Daily   | 28, 777, 454                    | 33, 028, 630 | 32, 341, 678 | 35, 733, 107 | 38, 030, 052  |
| Sunday  | 16, 479, 943                    | 19, 368, 913 | 20, 853, 355 | 24, 511, 693 | 25, 630, 056  |
| Triweekly   | 549, 495                        | 492, 286     | 523, 872     | 431, 504     | 400, 730      |
| Semiweekly  | 2, 483, 629                     | 2, 020, 165  | 1, 540, 206  | 2, 024, 683  | 1, 934, 065   |
| Weekly  | 50, 336, 963                    | 51, 902, 121 | 43, 521, 178 | 47, 800, 506 | 50, 815, 443  |
| Monthly   | 79, 190, 838                    | 91, 681, 807 | 83, 456, 144 | 91, 654, 028 | 111, 875, 957 |
| Quarterly   | 18, 853, 901                    | 18, 920, 544 | 21, 745, 216 | 22, 197, 918 | 22, 840, 186  |
| All other classes   | 8, 922, 684                     | 5, 007, 517  | 6, 962, 012  | 7, 629, 173  | 8, 450, 309   |

Source: Bureau of the Census, Department of Commerce.

## No. 767.—CHEMICALS: PRODUCTS MADE FOR SALE

[NOTE.—The table includes products made in all industries, sometimes as by-products. In addition to quantities shown in the table, made for sale, large quantities of certain chemicals, especially acids, are made and consumed in further processes in the same establishment. There is considerable duplication in the total value of products due to the use of products sold by one establishment as materials for other establishments manufacturing chemicals]

|  | Unit   | Quantity (thousands of unit specified) |             |                  | Value (thousands of dollars) |                 |                  |
|--|--------|--|-------------|------------------|------------------------------|-----------------|------------------|
|  |        | 1914                                   | 1923        | 1925             | 1914                         | 1923            | 1925             |
| <b>Total value.....</b>  |        |  |             |                  | <b>200, 196</b>              | <b>708, 372</b> | <b>837, 646</b>  |
| <b>Acids</b>   |        |  |             |                  |                              |                 |                  |
| Acetic.....  | Pound  | 70, 618                                | 57, 652     | 63, 592          | 1, 272                       | 4, 155          | 4, 438           |
| Arsenic and arsenious.....   | do     | ( <sup>1</sup> )                       | 29, 394     | 22, 877          | ( <sup>1</sup> )             | 2, 606          | 781              |
| Boric (boracic).....   | do     | 8, 584                                 | 17, 278     | 15, 605          | 589                          | 1, 736          | 1, 302           |
| Carbonic.....  | do     | 50, 446                                | 51, 096     | 59, 721          | 2, 321                       | 4, 922          | 5, 128           |
| Citric.....  | do     | 2, 658                                 | 5, 689      | 7, 598           | 1, 516                       | 2, 829          | 3, 470           |
| Hydrochloric (muriatic).....   | Ton    | 85                                     | 156         | 153              | 1, 349                       | 3, 102          | 2, 976           |
| Mixed (sulphuric-nitric).....  | do     | 43                                     | 78          | 61               | 2, 204                       | 5, 503          | 3, 767           |
| Nitric.....  | do     | 15                                     | 23          | 27               | 1, 592                       | 2, 741          | 2, 500           |
| Oleic.....   | Pound  | 21, 933                                | 48, 786     | 65, 036          | 1, 301                       | 4, 354          | 6, 268           |
| Phosphoric.....  | do     | 12, 420                                | 12, 829     | 21, 330          | 680                          | 955             | 1, 489           |
| Stearic.....   | do     | 14, 351                                | 22, 478     | 19, 761          | 1, 243                       | 2, 753          | 2, 470           |
| Sulphuric (bats 50° B).....  | Ton    | 2, 338                                 | 4, 346      | 4, 700           | 15, 395                      | 38, 274         | 38, 230          |
| Sulphuric reclaimed (50° B for 1923).....                                | do     | 136                                    | 170         | 210              | 519                          | 1, 479          | 1, 470           |
| Other acids.....   |        |  |             |                  | 2, 856                       | 6, 546          | 7, 333           |
| Alums.....   | Ton    | 157                                    | 249         | 307              | 3, 468                       | 7, 445          | 8, 735           |
| Aluminous abrasives.....   | do     | ( <sup>2</sup> )                       | 20          | 16               | ( <sup>2</sup> )             | 2, 126          | 1, 789           |
| Other aluminum compounds.....  |        |  |             |                  | ( <sup>2</sup> )             | 1, 496          | 1, 067           |
| <b>Bleaching compounds</b>   |        |  |             |                  |                              |                 |                  |
| Chlorine.....  | Pound  | 12, 217                                | 76, 118     | 104, 960         | 473                          | 2, 778          | 4, 236           |
| Hypochlorites (calcium, sodium).....                                     | Ton    | 155                                    | 158         | 131              | 2, 916                       | 5, 951          | 5, 842           |
| Peroxide bleaches.....   | Pound  | 32, 595                                | 32, 422     | 34, 696          | 1, 303                       | 3, 365          | 3, 341           |
| Sulphur bleaches.....  |        |  |             |                  | 610                          | 4, 635          | 4, 109           |
| <b>Coal-tar products</b>   |        |  |             |                  |                              |                 |                  |
| Crudes.....  |        |  |             |                  | 6, 065                       | 38, 297         | 25, 403          |
| Intermediates.....   |        |  |             |                  |                              | 23, 280         | 25, 324          |
| Dyes and other finished products.....                                    |        |  |             |                  | 5, 427                       | 60, 316         | 44, 723          |
| All other products.....  |        |  |             |                  |                              | 21, 891         | 16, 742          |
| <b>Gases, compressed and liquefied</b>                                   |        |  |             |                  |                              |                 |                  |
| Acetylene.....   | Cu ft  | 121, 696                               | 522, 349    | 525, 746         | 2, 318                       | 13, 080         | 13, 515          |
| Hydrogen.....  | do     | 1, 069                                 | 103, 818    | 150, 502         | 17                           | 686             | 877              |
| Oxygen.....  | do     | 104, 714                               | 2, 057, 526 | 2, 073, 826      | 1, 829                       | 23, 382         | 22, 577          |
| Nitrous oxide (laughing gas).....  | Gallon | 17, 838                                | 45, 297     | 54, 682          | 213                          | 731             | 799              |
| Other gases.....   |        |  |             |                  | 104                          | 2, 328          | 17, 834          |
| <b>Nitrogen compounds:</b>   |        |  |             |                  |                              |                 |                  |
| Ammonia (aqua).....  | Pound  | 35, 544                                | 38, 694     | 66, 228          | 1, 412                       | 2, 454          | 3, 027           |
| Ammonia (anhydrous).....   | do     | 16, 660                                | 23, 529     | 31, 725          | 3, 141                       | 6, 415          | 6, 772           |
| Ammonium chloride.....   | do     | 11, 512                                | 31, 937     | ( <sup>3</sup> ) | 641                          | 2, 499          | ( <sup>1</sup> ) |
| Other ammonium compounds.....  |        |  |             |                  | 472                          | 1, 269          | 5, 268           |
| Cyanides, ferro and ferri.....   | Pound  | ( <sup>1</sup> )                       | 13, 582     | 17, 283          | 2, 399                       | 3, 215          | 2, 736           |
| Other cyanides.....  | do     | ( <sup>1</sup> )                       |             |                  |                              | 5, 509          | 3, 929           |
| From coke oven operations not included in total value (Bureau of Mines)— |        |  |             |                  |                              |                 |                  |
| Ammonium sulphate.....   | do     | ( <sup>1</sup> )                       | 884, 963    | 996, 179         | ( <sup>1</sup> )             | 25, 954         | 22, 465          |
| Liquor (NH <sub>3</sub> equivalent).....                                 | do     | ( <sup>1</sup> )                       | 50, 987     | 47, 129          | ( <sup>1</sup> )             | 5, 140          | 4, 386           |
| <b>Plastics:</b>   |        |  |             |                  |                              |                 |                  |
| Pyroxylin, including collodion.....                                      | Pound  | ( <sup>1</sup> )                       | 41, 776     | 47, 005          | 3, 778                       | 22, 159         | 27, 878          |
| Finished articles of pyroxylin.....                                      |        |  |             |                  | 5, 527                       | 11, 300         | 10, 994          |
| Rubber substitutes.....  | Pound  | ( <sup>1</sup> )                       | 11, 206     |                  |                              | 2, 922          |                  |
| Artificial silk, viscra, cellophane, etc.....                            | do     | ( <sup>1</sup> )                       | 36, 477     | ( <sup>1</sup> ) | 4, 591                       | 59, 061         | ( <sup>1</sup> ) |
| Other plastics.....  |        |  |             |                  |                              | 5, 798          | 9, 870           |
| <b>Potassium compounds:</b>  |        |  |             |                  |                              |                 |                  |
| Bitartrate (cream of tartar).....  | Pound  | 12, 696                                | 5, 971      | 7, 073           | 3, 125                       | 1, 746          | 1, 472           |
| Iodide.....  | do     | ( <sup>1</sup> )                       | 439         | 495              | 4, 731                       | 1, 623          | 1, 821           |
| Other.....   |        |  |             |                  |                              | 2, 120          | 2, 778           |
| <b>Sodium compounds:</b>   |        |  |             |                  |                              |                 |                  |
| Bichromate and chromate.....   | Ton    | 12                                     | 27          | 28               | 1, 125                       | 3, 995          | 3, 537           |
| Biborate (borax).....  | do     | 27                                     | 53          | 50               | 2, 072                       | 5, 102          | 4, 062           |
| <b>Carbonates—</b>   |        |  |             |                  |                              |                 |                  |
| Soda ash.....  | do     | 935                                    | 1, 259      | 1, 369           | 10, 938                      | 32, 427         | 32, 344          |
| Sal soda (crystals).....   | do     | 107                                    | 69          | 64               | 1, 510                       | 1, 690          | 1, 332           |
| Bicarbonate.....   | do     | 90                                     | 145         | 123              | 1, 439                       | 3, 738          | 3, 652           |
| Modified sodas.....  | do     | ( <sup>1</sup> )                       | 48          | 47               | ( <sup>1</sup> )             | 1, 842          | 1, 551           |
| Hydride (caustic).....   | do     | 292                                    | 431         | 487              | 9, 106                       | 25, 057         | 27, 392          |
| Repacked caustic.....  | do     | ( <sup>1</sup> )                       | 33          | 27               | ( <sup>1</sup> )             | 5, 034          | 4, 416           |

<sup>1</sup> Not including value of rayon. (See footnote 4.)

<sup>2</sup> No data.

<sup>3</sup> Included in other ammonium compounds.

<sup>4</sup> Rayon treated as a separate industry for 1923—51,902,491 pounds, valued at \$98,097,875.

## No. 767.—CHEMICALS: PRODUCTS MADE FOR SALE—Continued

|   |           | Quantity (thousands of unit<br>as specified) |        |        | Value (thousands of dollars) |        |        |
|---|-----------|--|--------|--------|------------------------------|--------|--------|
| Unit  |           | 1914   | 1923   | 1925   | 1914                         | 1923   | 1925   |
| <b>Sodium compounds—Continued</b>   |           |  |        |        |                              |        |        |
| Phosphates.....   | Ton       | 15   | 36     | 80     | 853                          | 3,171  | 8,755  |
| Silicate.....   | do        | 169  | 831    | 396    | 1,849                        | 5,067  | 5,717  |
| Sulphates.....  |           |  |        |        |                              |        |        |
| Salt cake.....  | do        | 90   | 141    | 141    | 842                          | 2,972  | 2,339  |
| Glauber's salt.....   | do        | 85   | 66     | 56     | 428                          | 1,521  | 1,265  |
| Chiosulphate (hypo).....  | do        | ( <sup>1</sup> )                             | 23     | 24     | ( <sup>1</sup> )             | 1,124  | 1,051  |
| Other.....  | do        | ( <sup>1</sup> )                             | 183    | 104    | ( <sup>1</sup> )             | 863    | 520    |
| Sulphide.....   | do        | 20   | 32     | 24     | 517                          | 2,209  | 1,208  |
| Other.....  |           |  |        |        | 2,148                        | 16,544 | 13,370 |
| <b>Miscellaneous—</b>   |           |  |        |        |                              |        |        |
| Acetone.....  | Pound     | 10,426                                       | 10,928 |        | 1,100                        | 2,255  |        |
| Barium compounds.....   |           |  |        |        | 35                           | 1,365  | 1,496  |
| Bismuth compounds.....  |           |  |        |        | ( <sup>2</sup> )             | 1,300  | 1,216  |
| <b>Caesium—</b>   |           |  |        |        |                              |        |        |
| Acetate.....  | Ton       | 82   | 72     | 73     | 2,139                        | 4,823  | 3,433  |
| Arsenate.....   | Pound     | ( <sup>1</sup> )                             | 13,261 | 15,190 | ( <sup>1</sup> )             | 1,703  | 1,075  |
| Carbide.....  | Ton       | ( <sup>3</sup> )                             | 119    | 120    | ( <sup>3</sup> )             | 8,818  | 8,890  |
| Chloride.....   | do        | 45   | 91     | 180    | 342                          | 2,030  | 3,717  |
| Hypochlorite.....   | do        | ( <sup>1</sup> )                             | 147    | 115    | ( <sup>1</sup> )             | 5,192  | 3,955  |
| Phosphate.....  | do        | 12   | 30     | 38     | 1,290                        | 4,393  | 4,452  |
| Carbon bisulphide.....  | Pound     | ( <sup>1</sup> )                             | 26,201 | 30,876 | ( <sup>1</sup> )             | 1,337  | 1,989  |
| Cobalt compounds and alloys.....  |           |  |        |        | ( <sup>1</sup> )             | 1,710  | 413    |
| Copper sulphate (blue vitriol).....                                       | Pound     | 37,152                                       | 32,304 | 32,207 | 1,300                        | 1,778  | 1,661  |
| Ethyl acetate.....  | Gallon    | ( <sup>1</sup> )                             | 2,530  | 2,907  | ( <sup>1</sup> )             | 2,193  | 2,407  |
| Ferro-alloys (not blast furnace).....                                     | Ton       | ( <sup>1</sup> )                             | 215    | 150    | ( <sup>1</sup> )             | 20,999 | 13,255 |
| Formaldehyde.....   | Pound     | 8,426  | 20,214 | 21,972 | 655                          | 2,004  | 1,961  |
| Glycerin (glycero) refined.....   | do        | 50,810                                       | 74,106 | 94,303 | 10,779                       | 12,214 | 16,991 |
| Iron sulphate (copperas).....   | Ton       | 40   | 71     | 53     | 353                          | 1,275  | 603    |
| Lead arsenate.....  | Pound     | 8,642  | 10,755 | 11,938 | 512                          | 2,229  | 1,776  |
| Radium salts.....   | Milligram | ( <sup>1</sup> )                             | 14     |        | ( <sup>1</sup> )             | 677    |        |
| Silver nitrate.....   | Ounce     | ( <sup>1</sup> )                             | 3,428  | 4,339  | 844                          | 1,500  | 2,032  |
| Sulphur, refined.....   | Ton       | 31   | 61     | 47     | 1,141                        | 2,766  | 2,121  |
| <b>Tin—</b>   |           |  |        |        |                              |        |        |
| Oxide.....  | Pound     |  | 4,128  | 4,788  |                              | 1,895  | 2,006  |
| Chloride.....   | do        | 8,291  | 7,387  | 12,509 | 2,020                        | 1,686  | 3,032  |
| Other.....  | do        |  |        |        |                              | 376    | 47     |
| Vanillin.....   | do        | 121  | 228    | 215    | 526                          | 1,327  | 1,134  |
| Zinc chloride.....  | do        |  | 64,575 | 58,947 | 1,121                        | 1,997  | 1,963  |
| All other products, including chemicals not separately reported, etc..... |           |  |        |        | 53,261                       | 82,846 | 86,122 |

<sup>1</sup> No data.<sup>2</sup> Includes other silver salts.<sup>3</sup> Includes other zinc compounds.

## No. 768.—NATURAL DYE-STUFFS AND TANNING MATERIALS: PRODUCTION

[NOTE.—The table includes products made in all industries, sometimes as by-products.]

| Product                               | Quantity (thousands of pounds) |         |         | Value (thousands of dollars) |               |               |
|---------------------------------------|--------------------------------|---------|---------|------------------------------|---------------|---------------|
|                                       | 1914                           | 1923    | 1925    | 1914                         | 1923          | 1925          |
| <b>All products, total value.....</b> |                                |         |         | <b>21,302</b>                | <b>26,906</b> | <b>26,270</b> |
| <b>Natural dyestuffs:</b>             |                                |         |         |                              |               |               |
| Extracts.....                         | 40,779                         | 37,269  | 23,462  | 1,739                        | 2,908         | 1,971         |
| Ground, chipped, or dry.....          | ( <sup>1</sup> )               | 1,749   | 1,226   | 124                          | 31            | 44            |
| <b>Tanning extracts</b>               |                                |         |         |                              |               |               |
| Oak and chestnut.....                 | 328,196                        | 445,234 | 303,069 | 4,130                        | 8,865         | 5,353         |
| Hemlock.....                          | 18,978                         | 9,316   | 8,622   | 340                          | 257           | 294           |
| Sumac.....                            | 4,512                          | 8,112   | 4,212   | 130                          | 300           | 261           |
| Quebracho.....                        | 109,597                        | 103,961 | 82,385  | 2,945                        | 3,349         | 2,393         |
| Other.....                            |                                | 46,064  |         |                              | 1,000         | 2,040         |
| Other tanning materials.....          |                                |         |         | 364                          | 1,283         | 409           |
| Mordants.....                         |                                |         |         | 392                          | 801           | 963           |
| <b>Sizes</b>                          |                                |         |         |                              |               |               |
| Dextrin.....                          | 18,914                         | 57,571  | 56,350  | 708                          | 3,287         | 3,336         |
| Rosin.....                            | 20,717                         | 103,702 | 146,869 | 373                          | 2,786         | 5,486         |
| Gum, other than rosin.....            | 3,832                          | 12,716  | 44,368  | 205                          | 843           | 2,279         |
| Starches, gluc, and other.....        | ( <sup>1</sup> )               | 45,342  | 28,422  | 1,769                        | 2,183         | 1,362         |
| Turkey red oil.....                   | 11,682                         | 23,741  | 14,338  | 320                          | 2,309         | 1,553         |
| Softeners and other assistants.....   |                                |         |         | 717                          | 3,146         | 3,224         |
| All other products.....               |                                |         |         | 6,630                        | 5,457         | 5,056         |

<sup>1</sup> No data.

Source of Tables 767 and 768: Bureau of the Census, Department of Commerce.

# No. 769.—MISCELLANEOUS INDUSTRIES INVOLVING CHEMICAL PROCESSES: CENSUS STATISTICS OF PRODUCTS

[NOTE.—Only major products of a fairly sharply defined character, and in general only those for which quantitative data are available are shown. See also chemicals (Table 767), petroleum refining (Table 738), manufactured gas (Table 727), etc. Semifinished products made for consumption in the same establishment are not included, except where otherwise stated, but there is some duplication in total value of products in certain branches, due to the use of such products as materials by other establishments in the same industry. Data include, except where otherwise stated, not only products of the major industry specified but also similar products made in other industries.]

| Industry and product                           | Quantity (thousands of unit specified) |           |           | Value (thousands of dollars) |         |         |         |
|--|--|-----------|-----------|------------------------------|---------|---------|---------|
|  | Unit                                   | 1914      | 1923      | 1925                         | 1914    | 1923    | 1925    |
| <b>BONE BLACK, CARBON BLACK, AND LAMPBLACK</b> |  |           |           |                              |         |         |         |
| All products, total value                      |  |           |           |                              | 2,979   | 16,780  | 17,186  |
| Bone black                                     | Pound                                  | 44,506    | 49,725    | 64,135                       | 1,632   | 2,418   | 2,540   |
| Carbon black                                   | do.                                    | 22,869    | 138,263   | 177,417                      | 918     | 11,692  | 9,640   |
| Lampblack                                      | do.                                    | (1)       | 11,117    | 12,032                       | 504     | 1,457   | 1,435   |
| All other products                             |  |           |           |                              | 18      | 1,193   | 3,574   |
| <b>FERTILIZERS</b>                             |  |           |           |                              |         |         |         |
| All products, total value                      |  |           |           |                              | 169,018 | 193,248 | 214,809 |
| Fertilizers                                    | Ton                                    | 8,432     | 7,849     | 8,157                        | 153,261 | 177,227 | 192,112 |
| Complete and ammoniated fertilizers            | do.                                    | 5,612     | 4,222     | 5,058                        | 121,677 | 124,135 | 146,605 |
| Superphosphates                                | do.                                    | 1,663     | 2,445     | 2,639                        | 14,779  | 32,606  | 35,180  |
| Concentrated phosphates                        | do.                                    | 68        | 14        |                              | 1,367   | 507     |         |
| Other fertilizers                              | do.                                    | 1,059     | 869       | 460                          | 15,438  | 19,887  | 10,327  |
| Sulphuric acid (basis 50%), total <sup>1</sup> | do.                                    | 1,406     | 1,631     | 1,927                        |         |         |         |
| Made for sale                                  | do.                                    | 129       | 265       | 601                          | 769     | 2,006   | 4,812   |
| Fish scrap                                     | do.                                    | 63        | 76        | 72                           | 1,916   | 2,723   | 2,928   |
| All other products                             |  |           |           |                              | 13,072  | 11,012  | 14,957  |
| <b>ICE, MANUFACTURED</b>                       |  |           |           |                              |         |         |         |
| All products, total value                      |  |           |           |                              | 67,320  | 170,592 | 163,367 |
| Ice  |  |           |           |                              |         |         |         |
| Ice industry                                   | Ton                                    | 16,325    | 34,031    | 38,613                       | 55,258  | 158,598 | 180,782 |
| Can ice  | do.                                    | 17,146    | 33,169    | 38,229                       | 52,150  | 154,499 | 178,157 |
| Plate ice                                      | do.                                    | 1,179     | 863       | 565                          | 3,108   | 4,094   | 2,623   |
| Other industries                               | do.                                    | 2,719     | 1,345     | 1,360                        | 6,934   | 5,930   | 6,296   |
| All other products, etc.                       |  |           |           |                              | 5,128   | 6,069   | 6,187   |
| <b>PAINT AND VARNISH</b>                       |  |           |           |                              |         |         |         |
| All products, total value                      |  |           |           |                              | 149,173 | 440,545 | 611,796 |
| Colors (pigments)                              | Pound                                  | 459,052   | 1,309,517 | 1,587,137                    | 17,450  | 91,480  | 103,686 |
| Paints in oil—                                 |  |           |           |                              |         |         |         |
| In paste form                                  | do.                                    | 420,012   | 425,880   | 411,769                      | 29,038  | 50,570  | 50,667  |
| Ready mixed                                    | Gallon                                 | 40,746    | 71,347    | 68,991                       | 41,544  | 127,144 | 127,679 |
| Water paints and kalsomine—                    |  |           |           |                              |         |         |         |
| Dry or in paste                                | Pound                                  | 61,904    | 122,217   | 110,618                      | 2,055   | 5,534   | 4,636   |
| Mixed for use                                  | Gallon                                 | 297       | 10        | 73                           | 147     | 11      | 158     |
| Other paints—                                  |  |           |           |                              |         |         |         |
| In paste form                                  | Pound                                  | (1)       | (1)       | 22,814                       | (1)     | (1)     | 5,040   |
| Mixed for use                                  | Gallon                                 | (1)       | (1)       | 18,576                       | (1)     | (1)     | 30,539  |
| Varnishes, japans, and lacquers                | do.                                    | 36,363    | 80,330    | 88,670                       | 31,994  | 116,410 | 136,474 |
| Fillers—                                       |  |           |           |                              |         |         |         |
| Liquid   | do.                                    | 966       | 846       | 122                          | 670     | 940     | 922     |
| Paste and dry                                  | Pound                                  | 49,586    | 34,534    | 42,004                       | 1,319   | 2,041   | 2,304   |
| Putty  | do.                                    | 69,828    | 92,745    | 101,269                      | 1,250   | 3,775   | 3,926   |
| Bleached shellac                               | do.                                    | 8,655     | 15,260    | 11,136                       | 1,807   | 9,571   | 5,991   |
| All other products                             |  |           |           |                              | 21,699  | 33,089  | 39,744  |
| <b>SOAP</b>                                    |  |           |           |                              |         |         |         |
| All products, total value                      |  |           |           |                              | 135,304 | 281,293 | 293,739 |
| Hard soaps                                     | Pound                                  | 1,696,484 | 2,000,341 | 2,109,133                    | 104,465 | 179,924 | 191,344 |
| Toilet soaps                                   | do.                                    | 169,926   | 240,145   | 332,935                      |         | 53,069  | 53,647  |
| Soap chips                                     | do.                                    | 97,746    | 218,754   | 325,043                      |         | 25,373  | 26,284  |
| Laundry and foots soap                         | do.                                    | 1,428,612 | 1,541,442 | 1,383,291                    |         | 101,452 | 93,967  |
| All other hard soaps                           |  |           |           | 67,865                       |         |         | 7,466   |
| Powdered soaps                                 | do.                                    | 367,744   | 655,061   | 690,308                      | (1)     | 39,799  | 41,648  |
| Soft soap                                      | do.                                    | 37,002    | 67,752    | 61,189                       | 1,697   | 2,465   | 2,514   |
| Liquid soap                                    | do.                                    | (1)       | 17,879    | 22,047                       | (1)     | 1,666   | 2,123   |
| Special soap articles <sup>1</sup>             | do.                                    | (1)       | 56,276    | 52,830                       | 833     | 5,270   | 3,932   |
| Glycerin (for sale)—                           |  |           |           |                              |         |         |         |
| Crude  | do.                                    | 12,745    | 23,459    | 25,842                       | 1,818   | 2,695   | 3,318   |
| Refined  | do.                                    | 32,674    | 54,418    | 72,597                       | 5,776   | 8,554   | 13,092  |
| Perfumes and toilet preparations <sup>1</sup>  |  |           |           |                              | 6,805   | 16,928  |         |
| All other products                             |  |           |           |                              | 13,910  | 23,994  | 24,518  |

<sup>1</sup> Figures not available.

<sup>2</sup> Includes only output of industry specified above.

Source: Bureau of the Census, Department of Commerce.



## No. 770.—ENGINES, WATER TURBINES, TRACTORS, AND LOCOMOTIVES

[Value in thousands of dollars]

| Class   | 1914    | 1919    | 1921    | 1923    | 1925    |
|---|---------|---------|---------|---------|---------|
| Total   | 131,019 | 389,350 | 542,538 | 407,039 | 310,346 |
| Steam engines, total  | 21,784  | 101,953 | 50,357  | 29,793  | 24,411  |
| Reciprocating marine  | 1,300   | 27,951  | 5,910   | 1,170   | 636     |
| Reciprocating stationary and portable                       | 11,822  | 14,492  | 8,775   | 12,982  | 7,902   |
| Stationary turbines   | 8,662   | 10,073  | 12,342  | 10,328  | 14,655  |
| Marine turbines   | (1)     | 46,102  | 2,321   | (1)     | (1)     |
| Not reported as to type                                     | (1)     | 3,336   | 1,003   | 2,365   | 1,738   |
| Internal-combustion engines (not including tractors), total | 43,314  | 174,369 | 74,699  | 110,732 | 117,994 |
| Diesel and semi-Diesel type—                                |         |         |         |         |         |
| Marine  | (2)     | (2)     | 8,273   | 14,013  | 7,369   |
| Other   |         |         |         |         | 13,575  |
| Other internal-combustion engines—                          |         |         |         |         |         |
| Marine—   |         |         |         |         |         |
| Stationary  | 7,570   | 20,578  | 7,604   | 8,492   | 8,933   |
| Detachable  |         |         |         |         | 2,561   |
| Motor vehicle <sup>1</sup>                                  | 11,623  | 60,989  | 31,095  | 30,074  | 55,026  |
| Other stationary and portable                               | 26,121  | 92,801  | 27,817  | 29,173  | 27,646  |
| Tractors and traction engines, total                        | 17,651  | 173,667 | 53,169  | 73,830  | 102,909 |
| Tractors, internal-combustion                               | 17,631  | 172,667 | 53,169  | 70,427  | 102,647 |
| Traction engines, steam                                     |         |         |         | 1,893   | 246     |
| Water turbines  | 2,633   | 4,136   | 4,624   | 6,733   | 5,329   |
| Engines and turbines not specified as to kind of power      |         |         |         |         | 13,797  |
| Locomotives, steam  | 42,637  | 139,226 | 79,677  | 184,469 | 40,391  |

<sup>1</sup> No data.<sup>2</sup> Not reported separately, included with stationary and portable internal-combustion engines.<sup>3</sup> Not including engines built for installation in motor vehicles manufactured in the same establishments.<sup>4</sup> Includes data for a small number of aviation engines for 1925 and a small number of aviation and motor-cycle engines for 1923.<sup>5</sup> Includes data for motor-cycle and aviation engines for 1914, 1919, and 1921 and for Diesel engines for 1914 and 1919.<sup>6</sup> Includes data for a small number of water motors, not reported separately.<sup>7</sup> Reported as secondary products by establishments in other industries. Includes value of engines, \$1,842,028, and of steam and water turbines, \$11,703,091.

Source: Bureau of the Census, Department of Commerce.

## No. 771.—MACHINERY: VALUE OF THE PRINCIPAL CLASSES MANUFACTURED

[NOTE.—Values in thousands of dollars. The various classes of machinery listed are products of a number of industries, such as "foundry and machine-shop products," "agricultural implements," "aircraft," "cash registers and calculating machines," "dairyman's, poultrymen's, and apiculturists' supplies," "electrical machinery, apparatus, and supplies," etc. This table is not an industry presentation, but a special presentation giving value of products for groups designated. The values are in part duplicated in other tables in this abstract, such as Tables 770, 772, 773, and 774.]

| Class   | 1914   | 1919   | 1921   | 1923   | 1925   |
|---|--------|--------|--------|--------|--------|
| Adding and calculating machines and parts     | 14,734 | 53,993 | 30,016 | 51,998 | 51,289 |
| Agricultural machinery                        | 94,866 | 94,080 | 56,126 | 52,120 | 23,471 |
| Aircraft                                      | 481    | 9,705  | 5,009  | 9,077  | 8,192  |
| Bakers' machinery and equipment               | 2,856  | 9,359  | 10,500 | 14,451 | 17,212 |
| Blowers and fans                              | (1)    | 12,141 | 12,818 | 14,386 | 16,219 |
| Bottling machinery                            | 1,350  | 10,468 | 6,642  | 5,900  | 10,139 |
| Clay-working machinery (brick, pottery, etc.) | 2,430  | 3,187  | 2,772  | 5,608  | 5,228  |
| Canning machinery                             | (1)    | (1)    | 5,139  | 9,601  | 9,795  |
| Cars and trucks, industrial and mining        | (1)    | (1)    | (1)    | 17,919 | 24,397 |
| Cash registers and parts                      | 15,935 | 31,574 | 22,944 | 44,393 | 42,326 |
| Cement and concrete machinery:                |        |        |        |        |        |
| Cement-making machinery                       | (1)    | (1)    | (1)    | 2,000  | 5,522  |
| Cement and concrete block machinery           | (1)    | (1)    | (1)    | (1)    | 1,461  |
| Concrete mixers                               | (1)    | (1)    | (1)    | 12,603 | 12,628 |
| Other cement and concrete machinery           | (1)    | (1)    | (1)    | (1)    | 5,094  |
| Condensers                                    | (1)    | (1)    | (1)    | 4,596  | 4,906  |
| Confectionery and ice-cream machinery         | (1)    | 9,341  | 2,187  | 5,639  | 5,142  |
| Conveying machinery:                          |        |        |        |        |        |
| Bucket type                                   | (1)    | (1)    | (1)    | (1)    | 14,717 |
| Belt type                                     | (1)    | (1)    | (1)    | (1)    | 5,691  |
| Other   | (1)    | (1)    | (1)    | (1)    | 7,379  |

No. 771.—MACHINERY: VALUE OF THE PRINCIPAL CLASSES MANUFACTURED—  
Continued

[Values in thousands of dollars]

| Class  | 1914                | 1919                | 1921                | 1923                | 1925      |
|--|---------------------|---------------------|---------------------|---------------------|-----------|
| Cotton gins.....   | 4,902               | 10,176              | 2,721               | 7,175               | 12,808    |
| Cranes (including hoists and derricks).....  | ( <sup>1</sup> )    | 52,534              | 20,445              | 42,197              | 43,936    |
| Dairy, cheese-factory, and butter-factory machinery.....                               | 12,998              | 84,279              | 17,759              | 16,486              | 15,177    |
| Dredging and excavating machinery:   |                     |                     |                     |                     |           |
| Power shovels.....   | ( <sup>1</sup> )    | 12,454              | 12,858              | 23,684              | 26,609    |
| Other.....   | 2,969               | 9,108               | 4,991               | 16,622              | 19,232    |
| Electrical machinery.....  | 50,601              | 112,422             | 89,800              | 128,384             | 134,513   |
| Elevators and elevator machinery.....  | 17,228              | 70,187              | 40,931              | 52,516              | 47,430    |
| Engines (steam or internal-combustion) and water wheels <sup>2</sup> .....             | 93,635              | 501,674             | 186,488             | 266,285             | 317,255   |
| Flour-mill and grain-mill machinery.....   | ( <sup>3</sup> )    | ( <sup>3</sup> )    | 8,663               | 9,084               | 7,946     |
| Gas machines and apparatus.....  | 4,426               | 9,823               | 4,554               | 7,243               | 7,528     |
| Glass-making machinery.....  | 1,091               | 3,316               | 4,088               | 2,651               | 2,666     |
| Hydraulic machinery:   |                     |                     |                     |                     |           |
| Hydraulic rams.....  | ( <sup>3</sup> )    | ( <sup>3</sup> )    | ( <sup>3</sup> )    | ( <sup>3</sup> )    | 218       |
| Other.....   | ( <sup>3</sup> )    | ( <sup>3</sup> )    | ( <sup>3</sup> )    | ( <sup>3</sup> )    | 4,720     |
| Laundry machinery.....   | 7,565               | 13,891              | 12,983              | 19,077              | 24,198    |
| Lawn mowers.....   | 2,848               | 3,777               | 6,401               | 8,258               | 8,047     |
| Leather-working machinery, other than shoe.....  | 1,066               | 4,691               | 2,526               | 2,575               | 2,222     |
| Locomotives (steam, electric, and internal-combustion) <sup>4</sup> .....              | 43,374              | 156,270             | 90,111              | 194,673             | 58,359    |
| Machine tools.....   | ( <sup>1</sup> )    | ( <sup>3</sup> )    | ( <sup>3</sup> )    | 89,964              | 91,459    |
| Metal-working machinery, other than machine tools.....                                 | ( <sup>3</sup> )    | ( <sup>3</sup> )    | ( <sup>3</sup> )    | ( <sup>3</sup> )    | 47,353    |
| Meters, gas and water.....   | 11,638              | 27,765              | 18,181              | 2,339               | 24,502    |
| Mining machinery, other than oil-well.....   | 13,254              | 51,243              | 30,290              | <sup>5</sup> 47,590 | 34,827    |
| Motion-picture cameras and projectors.....   | ( <sup>1</sup> )    | 3,606               | 2,869               | 2,631               | 4,620     |
| Motor cycles and bicycles.....   | 15,919              | 28,453              | 12,710              | 20,752              | 15,906    |
| Motor vehicles, except motor cycles.....   | 458,761             | 1,736,818           | 1,326,120           | 2,611,735           | 2,946,821 |
| Oil-mill machinery, cottonseed, and other.....   | 1,878               | ( <sup>3</sup> )    | 1,472               | 3,037               | 4,132     |
| Oil-well machinery.....  | 10,569              | 28,351              | 27,415              | 52,158              | 47,299    |
| Ore crushers.....  | ( <sup>1</sup> )    | 2,367               | 3,322               | 4,862               | 3,252     |
| Packing-house machinery.....   | ( <sup>1</sup> )    | ( <sup>1</sup> )    | 4,133               | 5,441               | 5,370     |
| Paper-mill and pulp-mill machinery.....  | 8,588               | <sup>6</sup> 27,421 | <sup>6</sup> 31,581 | 18,736              | 21,209    |
| Pneumatic machinery (other than pneumatic tools):                                      |                     |                     |                     |                     |           |
| Air compressors.....   | 5,158               | 18,650              | 15,729              | 27,762              | 29,473    |
| Other pneumatic machinery.....   | ( <sup>1</sup> )    | ( <sup>1</sup> )    | ( <sup>1</sup> )    | ( <sup>1</sup> )    | 1,109     |
| Printing machinery.....  | 19,228              | 53,325              | 54,870              | 68,630              | 69,217    |
| Pumps and pumping equipment.....   | <sup>7</sup> 27,457 | <sup>7</sup> 66,456 | <sup>7</sup> 69,255 | 92,815              | 121,299   |
| Refrigerating machinery.....   | 10,522              | 30,667              | 33,174              | 36,542              | 62,593    |
| Road-making machinery.....   | 3,545               | 15,778              | 17,858              | 24,264              | 26,297    |
| Rubber-working machinery.....  | 2,726               | 17,002              | 8,003               | 6,849               | 10,164    |
| Scales and balances.....   | ( <sup>1</sup> )    | 20,641              | 15,885              | 21,836              | 23,691    |
| Sewing machines, cases, cabinets, attachments, and parts.....                          | 27,238              | 57,938              | 35,608              | 42,993              | 45,131    |
| Shoe machinery.....  | 5,959               | 16,261              | 9,482               | 10,663              | 11,769    |
| Slot-vending machines.....   | ( <sup>1</sup> )    | 1,646               | 2,466               | 3,777               | 4,202     |
| Stokers, mechanical.....   | ( <sup>1</sup> )    | 4,280               | 7,161               | 14,095              | 9,420     |
| Sugar-mill machinery.....  | 1,972               | 14,847              | 12,075              | 9,112               | 8,643     |
| Textile machinery and parts.....   | ( <sup>1</sup> )    | 118,044             | 115,167             | 127,406             | 109,354   |
| Transmission machinery.....  | ( <sup>1</sup> )    | ( <sup>1</sup> )    | ( <sup>1</sup> )    | 11,359              | 15,350    |
| Typewriters and parts.....   | 20,517              | 43,313              | 33,361              | 39,521              | 50,190    |
| Vacuum cleaners.....   | 2,059               | 21,462              | 21,726              | 36,870              | 40,285    |
| Washing machines, clothes wringers, driers, and ironing machines for domestic use..... | ( <sup>1</sup> )    | 42,896              | 32,444              | 57,551              | 70,240    |
| Well-drilling machinery, other than oil-well.....                                      | ( <sup>1</sup> )    | 2,567               | 1,353               | 1,074               | 1,843     |
| Windmills and windmill towers.....   | ( <sup>3</sup> )    | ( <sup>3</sup> )    | 3,953               | 4,636               | 5,682     |
| Woodworking machinery.....   | 13,393              | 36,763              | 25,682              | 44,447              | 39,620    |

<sup>1</sup> Not reported separately.<sup>2</sup> No comparable data.<sup>3</sup> Not including steam boilers made for sale as separate units.<sup>4</sup> Includes for 1914 and 1919 steam locomotives only; for 1921, 1923, and 1925, steam, gasoline, and electric locomotives.<sup>5</sup> Not strictly comparable with figures for other years due to changes in classification.<sup>6</sup> Includes the value of machinery used for converting paper into boxes, bags, etc., for 1919 and 1921, but not for other years.<sup>7</sup> Not strictly comparable with figures for 1923 and 1925; includes power pumps and equipment only for 1914, 1919, 1921, and 1923, and pumps (hand and power) and pumping equipment for 1923 and 1925.

Source: Bureau of the Census, Department of Commerce.

**No. 772.—METAL-WORKING MACHINERY (INCLUDING MACHINE TOOLS):  
PRODUCTION**

[NOTE.—This table includes data for all establishments reporting the production of metal-working machinery, both as a primary and a secondary product.]

| Kind  | Number |       |       | Value (thousands of dollars) |        |         |
|---|--------|-------|-------|------------------------------|--------|---------|
|   | 1919   | 1920  | 1921  | 1919                         | 1920   | 1921    |
| <b>Metal-working machinery, total value</b>               |        |       |       | (1)                          | (2)    | 122,912 |
| Machine tools   |        |       |       | 179,747                      | 89,964 | 91,459  |
| Metal-working machinery, other than machine tools         |        |       |       | (1)                          | (1)    | 47,353  |
| <b>Machine tools:</b>                                     |        |       |       |                              |        |         |
| Bending machines  | 153    | 616   | 807   | 942                          | 616    | 642     |
| Boring machines   | 1,433  | 803   | 802   | 8,795                        | 3,577  | 3,032   |
| Broaching machines  | 549    | 235   | 426   | 1,393                        | 347    | 560     |
| Cutting-off machines                                      | (1)    | 951   | 1,786 | (1)                          | 612    | 497     |
| Drilling machines   | 16,642 | (1)   | (1)   | 11,420                       | 8,140  | 7,046   |
| Forging machines  | (1)    | 120   | 85    | (1)                          | 812    | 779     |
| Gear-cutting machines                                     | 2,768  | 1,107 | 1,271 | 5,845                        | 3,506  | 4,256   |
| Grinding machines   | (1)    | (1)   | (1)   | 15,803                       | 7,782  | 10,734  |
| Hammers, stationary                                       | 36,533 | 653   | 855   | 4,952                        | 441    | 879     |
| Lathes  | 29,031 | (1)   | (1)   | 37,475                       | 18,991 | 16,345  |
| Milling machines  | 11,489 | (1)   | (1)   | 18,526                       | 8,047  | 8,489   |
| Pipe cutting and threading machines                       | 4,118  | 1,458 | 2,757 | 2,481                        | 1,003  | 1,305   |
| Planers   | 1,482  | 302   | 193   | 8,129                        | 2,110  | 1,106   |
| Portable tools  | (1)    | (1)   | (1)   | 10,908                       | 12,359 | 12,894  |
| Presses   | 35,786 | (1)   | (1)   | 6,367                        | 6,144  | 7,993   |
| Punching machines (stationary)                            | (1)    | 1,390 | 1,034 | (1)                          | 1,119  | 1,910   |
| Riveting machines (stationary)                            | (1)    | (1)   | (1)   | (1)                          | 638    | 667     |
| Screw machines (automatic)                                | 6,227  | 2,113 | 2,301 | 9,625                        | 4,841  | 5,919   |
| Shapers   | 4,515  | 1,509 | 1,125 | 4,231                        | 2,063  | 1,613   |
| Shears (power)  | 1,267  | 1,763 | 1,822 | 1,566                        | 981    | 1,351   |
| Slotters  | (1)    | 81    | 62    | (1)                          | 446    | 405     |
| Threading machines (excepting pipe)                       | (1)    | (1)   | (1)   | (1)                          | 1,089  | 839     |
| All other machine tools                                   | (1)    | (1)   | (1)   | 31,314                       | 5,290  | 5,241   |
| <b>Metal-working machinery, other than machine tools:</b> |        |       |       |                              |        |         |
| Rolling-mill machines                                     | (1)    | (1)   | (1)   | (1)                          | (1)    | 15,001  |
| Sheet metal working machines                              | (1)    | (1)   | (1)   | (1)                          | (1)    | 17,466  |
| Welding machines  | (1)    | (1)   | (1)   | (1)                          | (1)    | 1,176   |
| Wire-drawing machines                                     | (1)    | (1)   | (1)   | (1)                          | (1)    | 670     |
| Wire-working machines                                     | (1)    | (1)   | (1)   | (1)                          | (1)    | 2,142   |
| Other metal working machines                              | (1)    | (1)   | (1)   | (1)                          | (1)    | 10,896  |

<sup>1</sup> No comparable data, due to changes in classification.

<sup>2</sup> Data incomplete.

<sup>3</sup> Not reported separately.

<sup>4</sup> Includes machine tools to the value of \$3,787,527 reported as secondary products by establishments classified in other industries but not shown separately by kind.

Source: Bureau of the Census, Department of Commerce.

**No. 773.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE  
OF PRODUCTS, BY CLASSES**

[NOTE.—All figures except number, kilovolt-amperes, and kilowatts in thousands of dollars. Includes subsidiary products of establishments classed under other industries.]

| Product                                      | 1914    | 1919      | 1921    | 1922      | 1923      |
|--|---------|-----------|---------|-----------|-----------|
| <b>Total value</b>                           | 359,432 | 1,002,596 | 994,594 | 1,277,515 | 1,006,500 |
| <b>Generators (not specified elsewhere).</b> |         |           |         |           |           |
| Alternating current—                         |         |           |         |           |           |
| Number                                       | 2,512   | 2,769     | 1,657   | 1,973     | 2,000     |
| Kilovolt-amperes (thousands)                 | 1,188   | 2,724     | 2,994   | (1)       | 2,674     |
| Value  | 7,437   | 12,666    | 15,513  | 13,808    | 17,899    |
| Direct current—                              |         |           |         |           |           |
| Number                                       | 9,633   | 6,607     | 5,691   | 10,305    | 14,873    |
| Kilowatts (thousands)                        | 221     | 894       | 183     | (1)       | (1)       |
| Value  | 2,967   | 6,042     | 2,828   | 4,286     | 5,217     |

**No. 778.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE OF PRODUCTS BY CLASSES—Continued**

[All figures in thousands of dollars]

| Product  | 1914                | 1919                | 1921    | 1923    | 1925                |
|--|---------------------|---------------------|---------|---------|---------------------|
| Automotive generators and motors for charging, lighting, and starting.....             | <sup>1</sup> 5,933  | <sup>1</sup> 36,663 | 27,443  | 54,007  | 56,221              |
| Self-contained power and lighting outfits.....   | <sup>(2)</sup>      | 24,079              | 4,043   | 7,685   | 11,143              |
| Transformers, induction-voltage regulators, and current-limiting reactors.....         | 14,514              | 27,061              | 42,103  | 59,115  | 62,153              |
| Motor-generator sets and dynamotors.....   | 5,368               | 4,851               | 6,311   | 7,305   | 8,264               |
| Control apparatus, railway, vehicle, motor, and other.....                             | <sup>1</sup> 8,395  | <sup>1</sup> 21,584 | 19,551  | 33,177  | 31,303              |
| Electric locomotives (mining, industrial, and railway).....                            | 3,721               | 8,160               | 9,397   | 8,865   | 10,331              |
| Stationary motors (not fan), total.....  | 27,594              | 81,908              | 58,078  | 84,778  | 92,648              |
| Fractional horsepower.....   | <sup>7</sup> 1,191  | <sup>7</sup> 4,920  | 16,907  | 23,939  | 28,249              |
| One horsepower and over—   |                     |                     |         |         |                     |
| Direct current.....  | 9,800               | 20,200              | 9,358   | 13,865  | 15,797              |
| Alternating current.....   | 16,604              | 65,971              | 31,814  | 46,973  | 48,602              |
| Railway and vehicle motors, not including automotive starter-motors.....               | 7,234               | 6,355               | 6,974   | 10,586  | 7,515               |
| Electric fans.....   | 4,836               | 9,908               | 8,611   | 12,054  | 12,563              |
| Motor parts and supplies.....  | 4,512               | 18,722              | 9,394   | 13,825  | 12,947              |
| Storage batteries, parts and supplies.....   | 13,081              | 60,036              | 48,558  | 92,843  | 110,212             |
| Primary batteries.....   | 9,522               | 28,829              | 14,609  | 21,446  | 40,962              |
| Primary battery parts and supplies.....  | 800                 | 3,598               | 3,716   | 3,776   | 4,054               |
| Carbons: Electrodes for lighting and furnaces, brushes, and specialties.....           | 3,603               | 13,292              | 5,528   | 14,746  | 13,955              |
| Incandescent lamps.....  | 17,350              | 57,647              | 59,728  | 71,966  | 73,558              |
| Telegraph apparatus.....   | <sup>6</sup> 202    | <sup>6</sup> 2,649  | 244     | 2,086   | 2,922               |
| Telephone apparatus.....   | 22,816              | 46,214              | 101,992 | 92,398  | 81,510              |
| Fire-alarm apparatus.....  | 1,254               | 2,092               | 2,404   | 2,640   | 3,490               |
| Radio apparatus, including tubes.....  | <sup>6</sup> 792    | <sup>6</sup> 8,075  | 10,648  | 54,000  | 176,990             |
| Household apparatus and appliances:  |                     |                     |         |         |                     |
| Vacuum cleaners, portable.....   | <sup>(3)</sup>      | <sup>1</sup> 21,842 | 19,753  | 35,982  | 39,971              |
| Flatirons.....   | 1,467               | 5,646               | 4,731   | 8,199   | 7,998               |
| Cooking utensils.....  | <sup>1</sup> 1,327  | <sup>1</sup> 7,815  | 3,164   | 5,486   | 7,921               |
| Ranges, disk stoves, and hot plates.....   | <sup>1</sup> 671    | <sup>1</sup> 3,444  | 1,796   | 3,677   | 7,901               |
| Radiators and radiant heaters.....   | <sup>(3)</sup>      | <sup>(3)</sup>      | 1,151   | 1,862   | 2,028               |
| Electric measuring instruments.....  | 8,767               | 19,322              | 21,033  | 28,221  | 31,650              |
| Switchboards, panel boards, cabinets, circuit breakers, and switches.....              | <sup>1</sup> 15,383 | <sup>1</sup> 26,328 | 36,299  | 57,856  | 69,759              |
| Magneto-generators.....  |                     | 22,012              | 4,065   | 10,304  | 9,930               |
| Spark plugs.....   | 22,261              | 19,519              | 10,013  | 13,660  | 13,878              |
| Coils.....   |                     | 9,756               | 6,511   | 7,868   | 7,837               |
| Insulated wires and cables.....  | 69,506              | 128,682             | 98,333  | 184,472 | 210,617             |
| Searchlights, flood lights, motion-picture, photo-engraving, and stage projectors..... | 2,082               | 4,342               | 1,943   | 2,479   | 2,801               |
| Railway signals and attachments.....   | <sup>(3)</sup>      | <sup>(3)</sup>      | 1,620   | 4,466   | 14,030              |
| Fuses, cut-outs and fuse plugs.....  | 1,757               | 7,895               | 4,483   | 9,245   | 10,393              |
| Insulators.....  | <sup>(3)</sup>      | 6,504               | 6,509   | 16,374  | 17,858              |
| Wiring devices.....  | <sup>1</sup> 7,580  | <sup>1</sup> 26,919 | 21,806  | 34,966  | 34,806              |
| Lightning arresters and choke coils.....   | 1,189               | 2,353               | 2,044   | 3,834   | 5,961               |
| Electric railway line materials.....   | <sup>(3)</sup>      | <sup>1</sup> 9,379  | 2,691   | 8,796   | 4,240               |
| Conduits, underground and interior.....  | 4,875               | 19,267              | 19,346  | 37,500  | <sup>1</sup> 46,330 |
| Electric-signaling apparatus (other than railway).....                                 | 675                 | 6,124               | 6,444   | 7,142   | 5,081               |
| Electrotherapeutic apparatus, exclusive of X-ray tubes and motor-driven devices.....   | 2,653               | 5,911               | 6,820   | 5,991   | 9,788               |
| All other.....   | 57,290              | 230,252             | 146,270 | 219,094 | 256,796             |

<sup>1</sup> Figures not comparable with 1921, 1923, and 1925, because of change in classification; synchronous condensers and frequency changers reported with rotating converting apparatus for 1914.

<sup>2</sup> No comparable data.

<sup>3</sup> Not comparable with 1921, 1923, and 1925; does not include generators under 10 kilowatts. (See note 4.)

<sup>4</sup> Not comparable with 1921, 1923, and 1925; includes generators under 10 kilowatts, not used as automotive generators.

<sup>5</sup> Not reported separately.

<sup>6</sup> Not strictly comparable with figures for 1921, 1923, and 1925, because of changes in classification.

<sup>7</sup> Reported as motors for miscellaneous uses.

<sup>8</sup> Reported as "stoves and ranges" in 1914 and 1919 and as "ranges" in 1921.

<sup>9</sup> Not strictly comparable with preceding years; includes interior conduits only.

Source: Bureau of the Census, Department of Commerce.

## No. 774.—FARM EQUIPMENT: PRODUCTION

[NOTE.—For all wagons, see Table 776; for all tractors, see Table 776]

| Class   | Number    |          |          |          | Value (thousands of dollars) |          |          |          |
|---|-----------|----------|----------|----------|------------------------------|----------|----------|----------|
|   | 1924      | 1925     | 1926     | 1927     | 1924                         | 1925     | 1926     | 1927     |
| All products, total value.....                                      |           |          |          |          | 323, 287                     | 391, 812 | 461, 400 | 439, 374 |
| <b>Plows and listers.</b> .....                                     |           |          |          |          | 21, 090                      | 23, 937  | 33, 148  | 28, 448  |
| Moldboard plows.....  | 527, 595  | 541, 393 | 630, 189 | 525, 046 | 10, 655                      | 12, 059  | 18, 812  | 14, 388  |
| Disk plows.....   | 12, 874   | 20, 424  | 24, 250  | 21, 425  | 1, 192                       | 1, 769   | 2, 290   | 2, 389   |
| Listers.....  | 41, 030   | 34, 826  | 54, 087  | 35, 690  | 1, 630                       | 1, 525   | 2, 267   | 1, 899   |
| Other plows.....  | 9, 075    | 14, 650  | 14, 743  | 13, 983  | 152                          | 210      | 300      | 1, 699   |
| Attachments and parts, incl. plow stocks and steel plow shares..... |           |          |          |          | 7, 401                       | 8, 382   | 9, 584   | 9, 014   |
| <b>Harrows, rollers, pulverizers, and stalk cutters.</b> .....      |           |          |          |          | 9, 717                       | 10, 179  | 16, 639  | 13, 699  |
| Disk harrows.....   | 85, 699   | 95, 714  | 141, 164 | 122, 080 | 4, 630                       | 5, 135   | 8, 052   | 7, 061   |
| Spoke-tooth harrow sections.....                                    | 140, 573  | 176, 951 | 315, 844 | 242, 459 | 1, 429                       | 1, 431   | 2, 219   | 1, 725   |
| Spring-tooth harrow sections.....                                   | 87, 830   | 109, 464 | 117, 757 | 117, 434 | 1, 014                       | 1, 000   | 1, 316   | 1, 245   |
| Stalk cutters.....  | 5, 920    | 6, 934   | 11, 722  | 10, 400  | 265                          | 309      | 441      | 377      |
| Other, incl. attachments and parts.....                             |           |          |          |          | 2, 379                       | 2, 304   | 3, 508   | 3, 473   |
| <b>Planting and fertilizing machinery.</b> .....                    |           |          |          |          | 14, 610                      | 20, 880  | 26, 591  | 24, 224  |
| Corn planters, one and two row.....                                 | 58, 843   | 59, 830  | 72, 242  | 55, 927  | 2, 403                       | 2, 717   | 3, 383   | 2, 402   |
| Combined corn and cotton planters.....                              | 55, 749   | 62, 927  | 74, 244  | 40, 896  | 1, 740                       | 2, 030   | 2, 205   | 1, 006   |
| Combined listers and drills.....                                    | 17, 308   | 20, 203  | 22, 908  | 12, 804  | 1, 030                       | 1, 390   | 1, 671   | 797      |
| Grain drills.....   | 15, 579   | 32, 582  | 47, 113  | 58, 029  | 1, 332                       | 3, 567   | 5, 275   | 4, 626   |
| Broadcast seeders.....  | 75, 480   | 74, 552  | 77, 439  | 75, 512  | 874                          | 484      | 654      | 679      |
| Fertilizer spreaders.....   | 35, 842   | 53, 839  | 67, 322  | 67, 541  | 4, 355                       | 6, 329   | 8, 245   | 8, 279   |
| Other, incl. attachments and parts.....                             |           |          |          |          | 2, 821                       | 4, 353   | 5, 159   | 4, 669   |
| <b>Cultivators and weeders.</b> .....                               |           |          |          |          | 14, 646                      | 17, 671  | 20, 811  | 14, 999  |
| 1-horse.....  | 129, 872  | 155, 530 | 136, 454 | 132, 244 | 729                          | 822      | 755      | 695      |
| 1-row.....  | 169, 940  | 174, 267 | 215, 345 | 121, 237 | 6, 920                       | 6, 700   | 8, 134   | 4, 408   |
| 2-row.....  | 44, 021   | 50, 471  | 64, 723  | 41, 307  | 3, 782                       | 4, 107   | 5, 290   | 3, 504   |
| Hand cultivators (wheeled hoes, etc.).....                          | 1, 5, 685 | 125, 048 | 143, 832 | 147, 065 | 859                          | 397      | 506      | 447      |
| Other cultivators and weeders.....                                  | 24, 130   | 118, 788 | 64, 195  | 56, 189  | 492                          | 1, 575   | 2, 338   | 2, 917   |
| Attachments and parts.....  |           |          |          |          | 2, 366                       | 4, 070   | 3, 315   | 2, 335   |
| <b>Harvesting machinery.</b> .....                                  |           |          |          |          | 29, 769                      | 25, 356  | 44, 007  | 57, 239  |
| Grain binders.....  | 53, 731   | 42, 405  | 79, 155  | 71, 091  | 9, 297                       | 6, 650   | 12, 134  | 10, 521  |
| Grain headers.....  | 5, 698    | 2, 857   | 7, 200   | 4, 621   | 1, 552                       | 663      | 1, 677   | 1, 102   |
| Combines (harvester-threshers).....                                 | 5, 829    | 5, 131   | 11, 700  | 18, 307  | 6, 634                       | 7, 254   | 15, 869  | 26, 965  |
| Corn binders.....   | 17, 267   | 20, 829  | 26, 449  | 21, 423  | 2, 454                       | 2, 933   | 3, 541   | 2, 983   |
| Potato diggers.....   | 10, 278   | 6, 621   | 10, 134  | 15, 780  | 672                          | 300      | 396      | 1, 002   |
| Other harvesting machinery.....                                     | 19, 548   | 24, 135  | 22, 394  | 16, 888  | 2, 418                       | 3, 047   | 2, 500   | 2, 613   |
| Attachments and parts.....  |           |          |          |          | 6, 691                       | 7, 408   | 9, 606   | 11, 912  |
| <b>Haying machinery.</b> .....                                      |           |          |          |          | 15, 787                      | 10, 467  | 13, 951  | 15, 317  |
| Mowers.....   | 126, 448  | 112, 290 | 112, 259 | 110, 644 | 7, 386                       | 6, 042   | 5, 959   | 6, 007   |
| Rakes.....  | 77, 542   | 87, 610  | 72, 537  | 66, 489  | 2, 071                       | 3, 364   | 3, 028   | 3, 509   |
| Loaders.....  | 13, 484   | 15, 746  | 19, 793  | 25, 102  | 1, 183                       | 1, 243   | 1, 630   | 2, 018   |
| Other haying machinery.....   | 7, 939    | 9, 794   | 10, 128  | 7, 151   | 569                          | 833      | 380      | 343      |
| Attachments and parts.....  |           |          |          |          | 3, 708                       | 4, 175   | 2, 915   | 3, 239   |
| <b>Machines for preparing crops for market or use.</b> .....        |           |          |          |          | 24, 190                      | 23, 468  | 34, 127  | 32, 189  |
| Thrashers.....  | 10, 929   | 14, 923  | 17, 830  | 16, 701  | 9, 422                       | 14, 151  | 17, 361  | 15, 124  |
| Ensilage and fodder cutters.....                                    | 14, 208   | 14, 612  | 14, 802  | 15, 280  | 2, 165                       | 2, 143   | 2, 197   | 2, 085   |
| Corn shellers.....  | 38, 987   | 43, 386  | 44, 713  | 47, 306  | 1, 383                       | 1, 187   | 1, 219   | 1, 166   |
| Corn huskers and shredders.....                                     | 3, 600    | 2, 225   | 3, 531   | 2, 449   | 1, 636                       | 1, 219   | 1, 775   | 1, 130   |
| Hay presses.....  | 3, 311    | 3, 192   | 3, 457   | 3, 325   | 1, 091                       | 1, 108   | 1, 001   | 1, 072   |
| Feed grinders and crushers.....                                     | 93, 207   | 98, 051  | 106, 752 | 104, 755 | 1, 615                       | 1, 565   | 1, 915   | 2, 049   |
| Other machines.....   | 44, 504   | 54, 273  | 80, 225  | 71, 373  | 1, 564                       | 2, 059   | 2, 434   | 2, 423   |
| Attachments and parts.....  |           |          |          |          | 5, 314                       | 5, 056   | 6, 164   | 7, 032   |
| <b>Farm tractors.</b> .....   | 190, 643  | 167, 553 | 191, 955 | 200, 304 | 62, 495                      | 121, 050 | 145, 913 | 159, 589 |
| Wheeled types.....  | 116, 031  | 161, 493 | 174, 223 | 190, 185 | 54, 726                      | 83, 407  | 100, 813 | 102, 403 |
| Track-laying type.....  | 4, 612    | 6, 060   | 7, 772   | 10, 319  | 13, 932                      | 17, 441  | 22, 024  | 27, 720  |
| Attachments and parts.....  |           |          |          |          | 13, 840                      | 20, 302  | 23, 076  | 29, 467  |
| <b>Horse-drawn vehicles.</b> .....                                  | 180, 451  | 204, 221 | 164, 741 | 109, 390 | 15, 587                      | 17, 425  | 13, 658  | 8, 984   |
| Farm wagons.....  | 84, 802   | 108, 477 | 74, 693  | 41, 302  | 8, 122                       | 10, 225  | 6, 882   | 4, 027   |
| Farm trucks.....  | 34, 230   | 53, 177  | 57, 291  | 47, 880  | 1, 917                       | 2, 876   | 2, 415   | 1, 901   |
| Buggies.....  | 20, 995   | 20, 486  | 8, 454   | 9, 289   | 2, 269                       | 1, 872   | 756      | 547      |
| All other (incl. 2-wheeled carts).....                              | 10, 674   | 12, 081  | 13, 903  | 10, 930  | 438                          | 320      | 537      | 200      |
| Attachments and parts.....  |           |          |          |          | 2, 781                       | 2, 195   | 3, 263   | 1, 519   |
| <b>Miscellaneous equipment.</b> .....                               |           |          |          |          | 95, 618                      | 106, 986 | 112, 141 | 104, 916 |
| Stalls, stanchions, and stock pens.....                             | 123, 964  | 185, 713 | 250, 978 | 304, 025 | 2, 111                       | 2, 759   | 2, 610   | 2, 743   |
| Stock tank and waterers.....  | 143, 977  | 170, 505 | 194, 270 | 191, 996 | 1, 312                       | 2, 028   | 1, 953   | 1, 679   |
| Creatine separators.....  | 120, 454  | 142, 415 | 177, 247 | 131, 814 | 6, 141                       | 7, 839   | 9, 229   | 8, 039   |
| Internal-combustion engines (farm).....                             | 120, 577  | 145, 507 | 133, 011 | 120, 597 | 9, 463                       | 12, 383  | 12, 910  | 8, 636   |
| Windmills and windmill towers.....                                  |           |          |          |          | 4, 611                       | 5, 682   | 4, 670   | 4, 556   |
| Other, incl. attachments and parts.....                             |           |          |          |          | 71, 960                      | 77, 573  | 80, 762  | 79, 003  |

\* Statistics for years prior to 1926 have been revised for comparability.

\* Including motor cultivators.

Source. Bureau of the Census, Department of Commerce.

## No. 775.—MUSICAL INSTRUMENTS AND PHONOGRAPHS: PRODUCTION

| Industry and product  | Number   |          |          | Value (thousands of dollars) |          |          |
|---|----------|----------|----------|------------------------------|----------|----------|
|   | 1919     | 1923     | 1925     | 1919                         | 1923     | 1925     |
| <b>MUSICAL INSTRUMENTS AND MATERIALS</b>  |          |          |          |                              |          |          |
| All products, total value.....  |          |          |          | 164, 191                     | 175, 336 | 170, 742 |
| Pianos:   |          |          |          |                              |          |          |
| Upright.....  | 138, 171 | 105, 748 | 87, 285  | 29, 397                      | 21, 675  | 16, 874  |
| Upright, player.....  | 166, 091 | 170, 549 | 143, 831 | 49, 277                      | 46, 296  | 38, 167  |
| Upright player, reproducing type.....   | 11, 488  | 12, 658  | 5, 476   | 4, 068                       | 4, 649   | 2, 193   |
| Grand—  |          |          |          |                              |          |          |
| Baby.....   | 17, 973  | 38, 024  | 40, 357  | 8, 652                       | 16, 101  | 16, 244  |
| Baby, player.....   | 2, 034   | 6, 769   | 12, 884  | 1, 711                       | 5, 429   | 8, 360   |
| Parlor.....   | 2, 172   | 5, 899   | 9, 170   | 1, 110                       | 3, 835   | 5, 483   |
| Parlor, player.....   | 125      | 2, 753   | 2, 699   | 119                          | 3, 084   | 3, 631   |
| Concert.....  | 87       | 666      | 579      | 54                           | 932      | 453      |
| Automatic and electric.....   | 3, 511   | 4, 539   | 4, 303   | 1, 435                       | 2, 380   | 2, 222   |
| Organs:   |          |          |          |                              |          |          |
| Pipe.....   | 1, 151   | 1, 712   | 1, 955   | 4, 185                       | 9, 654   | 12, 808  |
| Reed.....   | 26, 429  | 7, 772   | 4, 360   | 1, 889                       | 538      | 442      |
| Band and orchestral instruments:  |          |          |          |                              |          |          |
| Wind instruments.....   |          |          |          | 4, 286                       | 7, 812   | 9, 478   |
| Brass.....  |          |          |          | 3, 943                       | 7, 305   | 8, 846   |
| Wood.....   |          |          |          | 343                          | 507      | 632      |
| Stringed instruments.....   |          |          |          | 3, 062                       | 3, 469   | 5, 859   |
| Percussion and other instruments (chimes, xylophones, drums, bells, traps, etc.)..... |          |          |          | 1, 447                       | 2, 288   | 2, 886   |
| Perforated music rolls.....   |          |          |          | 3, 104                       | 5, 262   | 6, 008   |
| Pneumatic player actions for installation in player pianos.....                       |          |          |          | 1, 475                       | 14, 693  | 14, 782  |
| Cabinet player attachments made separate from pianos.....                             |          |          |          | 384                          |          |          |
| Parts and materials for musical instruments other than pianos and organs.....         |          |          |          | 3, 677                       | 1, 851   | 1, 867   |
| Orchestrions.....   | 721      | 52       |          | 546                          | 38       | 1, 842   |
| Organ parts and materials, for sale as such.....                                      |          |          |          |                              | 1, 265   |          |
| Piano parts and materials, for sale as such.....                                      |          |          |          | 42, 737                      | 17, 676  | 15, 223  |
| All other products.....   |          |          |          |                              | 4, 894   | 4, 157   |
| Receipts for custom work, repairing, etc.....   |          |          |          | 1, 576                       | 1, 515   | 1, 653   |
| <b>PHONOGRAPHS <sup>1</sup></b>   |          |          |          |                              |          |          |
| All products, total value.....  |          |          |          | 158, 548                     | 107, 311 | 61, 087  |
| Phonographs:  | Thou-    | Thou-    | Thou-    |                              |          |          |
| For disk records.....   | sands    | sands    | sands    |                              |          |          |
| All other.....  | 2, 138   | 978      | 642      | 88, 836                      | 55, 396  | 22, 614  |
|   | 89       | 20       |          | 2, 733                       | 1, 642   |          |
| Disk records.....   | 101, 085 | 92, 855  | 82, 125  | 42, 931                      | 35, 714  | 26, 791  |
| Cylinder records and blanks.....  | 5, 912   | 5, 249   |          | 1, 759                       | 658      |          |
| Needles, parts, and all other.....  |          |          |          | 22, 289                      | 13, 902  | 11, 652  |

<sup>1</sup> Does not include subsidiary products reported by establishments engaged primarily in other industries which amounted to \$3,603,378 in 1925.

Source: Bureau of the Census, Department of Commerce.

## No. 770. —VEHICLES AND AIRCRAFT: PRODUCTION

| Industry and product                                   | Number  |           |           | Value (thousands of dollars) |           |           |
|--|---------|-----------|-----------|------------------------------|-----------|-----------|
|  | 1914    | 1922      | 1923      | 1914                         | 1922      | 1923      |
| <b>MOTOR VEHICLES</b>                                  |         |           |           |                              |           |           |
| Motor vehicle industry, total value of products        |         |           |           | 502,230                      | 2,162,326 | 2,196,122 |
| Motor vehicles made in motor vehicle industry          | 563,781 | 3,901,986 | 4,176,519 | 459,781                      | 2,616,785 | 2,961,921 |
| Other products of motor vehicle industry               |         |           |           | 44,469                       | 546,543   | 244,215   |
| Motor vehicles made in other industries                | 14,258  | 385       | 1,728     | 8,297                        | 421       | 730       |
| Total motor vehicles, incl. chassis and trailers       | 578,039 | 3,902,371 | 4,178,247 | 468,066                      | 2,617,206 | 2,962,651 |
| Passenger vehicles                                     | 543,581 | 3,432,308 | 3,581,940 | 414,548                      | 2,277,777 | 2,327,573 |
| Touring, open  | 451,082 | 1,782,992 | 1,095,186 | 345,973                      | 962,097   | 516,206   |
| Roadsters, runabouts, and sport (speedsters), open     | 81,597  | 432,152   | 390,062   | 45,890                       | 221,636   | 160,345   |
| Closed   | 11,098  | 1,201,577 | 2,080,697 | 22,350                       | 1,060,636 | 1,795,654 |
| Public conveyances (cabs, etc.)                        |         | 12,878    | 16,295    |                              | 21,667    | 43,680    |
| All other  | 154     | 2,709     |           | 329                          | 2,276     |           |
| Government and municipal vehicles                      | 729     | 1,192     | 1,233     | 2,841                        | 10,062    | 10,490    |
| Business vehicles                                      | 34,172  | 281,477   | 341,811   | 40,879                       | 222,430   | 267,343   |
| Delivery cars  | 4,391   | 23,042    | 35,976    | 4,780                        | 17,140    | 24,090    |
| Trucks   | 19,519  | 252,563   | 303,824   | 24,741                       | 202,723   | 237,806   |
| All other  | 202     | 872       | 2,011     | 787                          | 2,557     | 5,359     |
| Chassis  | (1)     | 178,273   | 240,789   | (1)                          | 101,498   | 121,618   |
| Passenger  | (1)     | 53,256    | 67,790    | (1)                          | 25,121    | 29,913    |
| Business   | (1)     | 122,017   | 163,019   | (1)                          | 76,305    | 81,597    |
| Trailers   | (1)     | 11,480    | 13,388    | (1)                          | 4,867     | 4,867     |
| Tractors <sup>2</sup>                                  | (1)     | 681       | 340       | (1)                          | 1,106     | 886       |
| <b>MOTORCYCLES, BICYCLES, AND PARTS</b>                |         |           |           |                              |           |           |
| All products   |         |           |           | 22,234                       | 25,269    | 23,319    |
| Motorcycles  | 62,184  | 41,866    | 30,350    | 12,162                       | 10,026    | 8,576     |
| Bicycles   | 299,029 | 486,177   | 303,446   | 2,767                        | 10,727    | 7,081     |
| Parts, repairs, and all other products                 |         |           |           | 8,315                        | 11,507    | 9,412     |
| <b>CARS, STEAM AND ELECTRIC RAILROAD<sup>3</sup></b>   |         |           |           |                              |           |           |
| All products   |         |           |           | 206,271                      | 204,361   | 200,771   |
| Steam  |         |           |           |                              |           |           |
| Passenger (day coaches only)                           | 1,653   | 1,159     | 532       | 19,007                       | 25,153    | 11,901    |
| Sleeping, baggage, express, etc., in passenger service | 1,792   | 678       | 1,589     | 24,404                       | 15,069    | 42,949    |
| Box  | 50,481  | 60,038    | 49,290    | 40,953                       | 119,146   | 101,024   |
| Flat   | 4,781   | 2,949     | 2,309     | 3,120                        | 6,066     | 3,223     |
| Handcars   | 25,077  | 20,254    | 21,402    | 22,809                       | 58,073    | 42,022    |
| Hopper   | 9,754   | 30,630    | 3,243     | 10,708                       | 66,992    | 5,470     |
| Refrigerator   | 5,800   | 19,651    | 4,704     | 8,077                        | 52,261    | 14,741    |
| Stock  | 3,929   | 3,323     | 3,310     | 2,587                        | 5,235     | 3,877     |
| Tank   | 1,260   | 6,009     | 5,396     | 1,258                        | 14,074    | 10,702    |
| Other varieties  | 15,684  | 6,873     | 4,430     | 6,709                        | 12,624    | 8,800     |
| Electric   |         |           |           |                              |           |           |
| Passenger  | 2,335   | 2,767     | 1,762     | 8,076                        | 26,696    | 14,030    |
| Other varieties  | 207     | 118       | 81        | 714                          | 689       | 419       |
| All other products, including repairs                  |         |           |           | 58,202                       | 209,341   | 124,141   |
| <b>CARRIAGES AND WAGONS</b>                            |         |           |           |                              |           |           |
| All products   |         |           |           | 108,867                      | 40,837    | 26,019    |
| Wagons   | 572,409 | 223,972   | 211,418   | 36,532                       | 21,130    | 16,400    |
| Carriages and buggies                                  | 550,401 | 37,009    | 20,646    | 24,193                       | 4,511     | 1,894     |
| Other conveyances                                      | 64,605  | 4,651     | 2,767     | 1,367                        | 296       | 115       |
| All other products, parts, repairs, etc.               |         |           |           | 27,373                       | 14,801    | 9,617     |
| <b>AIRCRAFT</b>  |         |           |           |                              |           |           |
| All products   |         |           |           |                              | 12,948    | 12,773    |
| Airplanes  | (1)     | 505       | 711       | (1)                          | 6,106     | 3,096     |
| Seaplanes  | (1)     | 82        | 79        | (1)                          | 1,571     | 765       |
| Under construction at close of year                    | (1)     | 281       | 259       | (1)                          | 1,340     | 1,429     |
| Parts and engines for sale as such                     |         |           |           | (1)                          | 861       | 2,796     |
| All other products, including repairs                  |         |           |           | (1)                          | 2,007     | 375       |

<sup>1</sup> The numbers and values of the complete vehicles manufactured in 1914 by establishments in the bodies-and-parts branch and in other industries are included in the totals but not in the distribution by class.

<sup>2</sup> Not reported separately.

<sup>3</sup> Figures refer only to tractors manufactured by establishments engaged primarily in the manufacture of motor vehicles. For total production of tractors, see Table 770.

<sup>4</sup> Not including cars built, or repair work done, by railroad companies.

<sup>5</sup> Figures not available.

<sup>6</sup> Includes 113 remodeled airplanes valued at \$193,000.

<sup>7</sup> Value of work done during year on aircraft under construction at close of year.

Source: Bureau of the Census, Department of Commerce.



## No. 777.—COTTON SPINDLES, COTTON CONSUMPTION, AND STOCKS

[NOTE.—The statistics for 1915 to 1927 relate to the 12 months ended July 31, and those for prior years to the 12 months ended Aug. 31. South refers to cotton growing States. Consumption is expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton in all years are in equivalent 500-pound bales. The number of active spindles represents spindles operated for any time, however short, during the year, and is therefore an unsatisfactory measure of activity of the industry.]

| Year      | Cotton spindles (thousands) |        |           |             |              | Spindles using cotton with other fibers (thousands) | Cotton consumed, excluding linters <sup>1</sup> (thousands of bales) |           |             |              |
|-----------|-----------------------------|--------|-----------|-------------|--------------|---|--|-----------|-------------|--------------|
|           | Total in place              | Total  | The South | New England | Other States |   | Total  | The South | New England | Other States |
| 1840..... | ( <sup>2</sup> )            | 2,285  | 181       | 1,507       | 506          | ( <sup>3</sup> )                                    | 237  | 71        | 159         | 7            |
| 1850..... | ( <sup>2</sup> )            | 3,998  | 265       | 2,959       | 778          | ( <sup>3</sup> )                                    | 578  | 78        | 431         | 67           |
| 1860..... | ( <sup>2</sup> )            | 5,236  | 324       | 3,859       | 1,063        | ( <sup>3</sup> )                                    | 845  | 94        | 567         | 184          |
| 1870..... | ( <sup>2</sup> )            | 7,132  | 328       | 5,498       | 1,306        | ( <sup>3</sup> )                                    | 797  | 69        | 551         | 177          |
| 1880..... | ( <sup>2</sup> )            | 10,653 | 561       | 8,632       | 1,460        | ( <sup>3</sup> )                                    | 1,570  | 189       | 1,129       | 252          |
| 1890..... | ( <sup>2</sup> )            | 14,384 | 1,570     | 10,934      | 1,880        | ( <sup>3</sup> )                                    | 2,518  | 539       | 1,502       | 477          |
| 1900..... | ( <sup>2</sup> )            | 19,472 | 4,368     | 13,171      | 1,933        | ( <sup>3</sup> )                                    | 3,873  | 1,523     | 1,909       | 440          |
| 1905..... | ( <sup>2</sup> )            | 23,687 | 7,631     | 14,203      | 1,853        | ( <sup>3</sup> )                                    | 4,279  | 2,140     | 1,753       | 386          |
| 1910..... | 28,929                      | 28,267 | 10,494    | 15,733      | 2,038        | ( <sup>3</sup> )                                    | 4,622  | 2,234     | 1,995       | 393          |
| 1911..... | 30,804                      | 29,523 | 11,065    | 16,511      | 1,927        | 456   | 4,496  | 2,240     | 1,882       | 367          |
| 1912..... | 31,583                      | 30,579 | 11,583    | 17,140      | 1,856        | 500   | 5,129  | 2,636     | 2,076       | 417          |
| 1913..... | 32,130                      | 31,520 | 12,227    | 17,311      | 1,981        | 455   | 5,483  | 2,862     | 2,178       | 443          |
| 1914..... | 32,744                      | 32,108 | 12,711    | 17,406      | 1,988        | 414   | 5,577  | 2,925     | 2,219       | 433          |
| 1915..... | 32,841                      | 31,964 | 12,956    | 17,101      | 1,906        | 395   | 5,597  | 3,027     | 2,149       | 421          |
| 1916..... | 33,333                      | 32,806 | 13,382    | 17,474      | 1,950        | 405   | 6,396  | 3,528     | 2,389       | 481          |
| 1917..... | 34,221                      | 33,889 | 14,156    | 17,761      | 1,972        | 453   | 6,789  | 3,886     | 2,415       | 486          |
| 1918..... | 34,941                      | 34,543 | 14,529    | 17,985      | 2,029        | 447   | 6,566  | 3,697     | 2,402       | 467          |
| 1919..... | 35,443                      | 34,931 | 14,846    | 18,066      | 2,019        | 429   | 5,766  | 3,199     | 2,163       | 402          |
| 1920..... | 35,834                      | 35,481 | 15,231    | 18,257      | 1,993        | 402   | 6,420  | 3,563     | 2,397       | 440          |
| 1921..... | 36,618                      | 36,047 | 15,709    | 18,388      | 1,951        | 336   | 4,693  | 2,967     | 1,614       | 282          |
| 1922..... | 36,945                      | 35,708 | 15,906    | 17,939      | 1,863        | 314   | 5,910  | 3,730     | 1,823       | 357          |
| 1923..... | 37,409                      | 36,260 | 16,310    | 18,054      | 1,896        | 289   | 6,666  | 4,248     | 2,049       | 369          |
| 1924..... | 37,804                      | 35,849 | 16,944    | 17,086      | 1,839        | 258   | 5,681  | 3,858     | 1,535       | 288          |
| 1925..... | 37,929                      | 35,032 | 17,292    | 15,976      | 1,765        | 251   | 4,193  | 4,230     | 1,639       | 334          |
| 1926..... | 37,586                      | 34,750 | 17,574    | 15,526      | 1,650        | 243   | 6,456  | 4,500     | 1,628       | 328          |
| 1927..... | 36,606                      | 34,410 | 17,894    | 14,995      | 1,521        | 235   | 7,190  | 5,164     | 1,675       | 321          |

| Yearly average or year | Consumption (thousands of bales) |          |                  |                  |         |                  | Stocks in consuming establishments at end of year (thousands of bales) |          |        |                  |
|------------------------|----------------------------------|----------|------------------|------------------|---------|------------------|--|----------|--------|------------------|
|                        | Total, excluding linters         | Domestic |                  |                  | Foreign | Linters          | Total, excluding linters   | Domestic |        |                  |
|                        |                                  | Total    | Upland           | Sea Island       |         |                  |  | Total    | Upland | Sea Island       |
| 1906-1910.....         | 4,529                            | 4,680    | 4,585            | 62               | 149     | 163              | 731  | 678      | 58     | 139              |
| 1911-1915.....         | 5,257                            | 5,051    | 4,976            | 75               | 206     | 203              | 822  | 738      | 84     | 86               |
| 1916-1920.....         | 6,388                            | 6,106    | 6,034            | 71               | 282     | 734              | 1,452  | 1,352    | 100    | 179              |
| 1921-1925.....         | 5,869                            | 5,577    | 5,568            | 9                | 292     | 599              | 1,003  | 911      | 92     | 139              |
| 1906.....              | 4,909                            | 4,771    | ( <sup>4</sup> ) | ( <sup>5</sup> ) | 138     | ( <sup>6</sup> ) | 680  | 640      | 40     | ( <sup>7</sup> ) |
| 1907.....              | 4,985                            | 4,845    | 4,785            | 60               | 140     | ( <sup>6</sup> ) | 1,017  | 937      | 80     | ( <sup>7</sup> ) |
| 1908.....              | 4,539                            | 4,389    | 4,345            | 44               | 150     | ( <sup>6</sup> ) | 594  | 532      | 62     | ( <sup>7</sup> ) |
| 1909.....              | 5,092                            | 4,930    | 4,862            | 68               | 162     | 149              | 869  | 803      | 66     | 88               |
| 1910.....              | 4,622                            | 4,466    | 4,390            | 76               | 156     | 177              | 493  | 451      | 42     | 40               |
| 1911.....              | 4,498                            | 4,323    | 4,259            | 64               | 175     | 207              | 499  | 417      | 81     | 43               |
| 1912.....              | 5,129                            | 4,922    | 4,827            | 95               | 208     | 238              | 818  | 733      | 85     | 53               |
| 1913.....              | 5,483                            | 5,250    | 5,196            | 55               | 233     | 303              | 718  | 638      | 80     | 60               |
| 1914.....              | 5,577                            | 5,383    | 5,301            | 82               | 194     | 307              | 676  | 612      | 64     | 75               |
| 1915.....              | 5,597                            | 5,375    | 5,296            | 79               | 222     | 412              | 1,401  | 1,292    | 109    | 199              |
| 1916.....              | 6,398                            | 6,050    | 5,968            | 83               | 317     | 681              | 1,632  | 1,490    | 143    | 100              |
| 1917.....              | 6,789                            | 6,479    | 6,376            | 94               | 318     | 670              | 1,502  | 1,406    | 94     | 113              |
| 1918.....              | 6,566                            | 6,382    | 6,297            | 86               | 184     | 1,119            | 1,465  | 1,403    | 63     | 138              |
| 1919.....              | 5,766                            | 5,590    | 5,539            | 51               | 176     | 458              | 1,303  | 1,253    | 51     | 267              |
| 1920.....              | 6,420                            | 6,003    | 5,960            | 43               | 417     | 342              | 1,358  | 1,308    | 150    | 277              |
| 1921.....              | 4,693                            | 4,677    | 4,658            | 19               | 216     | 516              | 1,111  | 1,021    | 90     | 201              |
| 1922.....              | 5,910                            | 5,613    | 5,604            | 9                | 297     | 639              | 1,218  | 1,127    | 91     | 139              |
| 1923.....              | 6,666                            | 6,322    | 6,316            | 6                | 344     | 646              | 1,100  | 981      | 118    | 127              |
| 1924.....              | 5,681                            | 5,363    | 5,348            | 5                | 328     | 537              | 722  | 638      | 84     | 101              |
| 1925.....              | 6,193                            | 5,917    | 5,914            | 4                | 276     | 659              | 866  | 787      | 79     | 129              |
| 1926.....              | 6,456                            | 6,176    | 6,174            | 2                | 280     | 604              | 1,097  | 1,011    | 86     | 144              |
| 1927.....              | 7,190                            | 6,680    | 6,679            | 1                | 310     | 606              | 1,405  | 1,325    | 80     | 199              |

<sup>1</sup> Includes linters for 1840 to 1906.

<sup>2</sup> Figures not available.

<sup>3</sup> Cotton mills only.

<sup>4</sup> Does not include foreign cotton.

<sup>5</sup> Includes linters for 1906 to 1908.

<sup>6</sup> Average, 1907 to 1910.

<sup>7</sup> Average, 1909 and 1910.

<sup>8</sup> Linters included under cotton.

Source: Bureau of the Census, Department of Commerce.

## No. 778.—COTTON SPINDLE HOURS AND COTTON CONSUMPTION

[NOTE.—Per cent of capacity represents ratio between (1) the actual number of spindle hours including overtime, double shifts, and part time, and (2) the total number of spindles in place multiplied by the number of hours per month in a single shift at normal full working time. Consumption includes both domestic and foreign cotton.]

| Month     | Spindle hours (millions) |        |        |        |         | Spindle hours—per cent of capacity |      |       |       |       |
|-----------|--------------------------|--------|--------|--------|---------|------------------------------------|------|-------|-------|-------|
|           | 1923                     | 1924   | 1925   | 1926   | 1927    | 1923                               | 1924 | 1925  | 1926  | 1927  |
| Total...  | 99,508                   | 90,275 | 84,601 | 97,032 | 104,404 | 98.9                               | 78.5 | 92.9  | 94.4  | 104.9 |
| January   | 8,274                    | 8,347  | 8,554  | 8,356  | 8,554   | 107.6                              | 95.5 | 97.2  | 98.6  | 102.0 |
| February  | 8,450                    | 7,100  | 7,803  | 8,121  | 8,239   | 109.6                              | 87.3 | 100.5 | 103.2 | 105.1 |
| March     | 9,536                    | 7,071  | 8,616  | 9,169  | 9,638   | 108.3                              | 82.4 | 100.0 | 102.2 | 108.9 |
| April     | 8,780                    | 6,776  | 8,520  | 8,345  | 8,789   | 109.2                              | 80.0 | 100.2 | 98.2  | 105.6 |
| May       | 9,303                    | 6,908  | 7,932  | 7,603  | 8,983   | 107.6                              | 67.8 | 93.8  | 92.9  | 108.9 |
| June      | 8,391                    | 5,844  | 7,686  | 7,607  | 9,191   | 98.8                               | 64.6 | 80.2  | 82.4  | 102.3 |
| July      | 7,144                    | 5,182  | 7,310  | 6,760  | 8,033   | 87.4                               | 60.3 | 84.6  | 78.7  | 95.1  |
| August    | 7,543                    | 5,434  | 6,935  | 7,487  | 8,973   | 85.4                               | 63.6 | 80.1  | 87.4  | 102.6 |
| September | 7,506                    | 6,472  | 7,197  | 8,257  | 8,781   | 93.6                               | 76.4 | 83.8  | 94.5  | 107.0 |
| October   | 8,407                    | 7,855  | 7,963  | 8,367  | 8,705   | 95.8                               | 86.2 | 89.5  | 96.9  | 105.3 |
| November  | 8,022                    | 7,143  | 7,828  | 8,493  | 8,680   | 96.7                               | 87.8 | 98.0  | 101.3 | 107.2 |
| December  | 7,152                    | 7,841  | 8,261  | 8,585  | 7,859   | 87.0                               | 90.7 | 99.4  | 100.7 | 94.1  |

Source: Bureau of the Census, Department of Commerce.

## No. 779.—COTTON SPINDLE ACTIVITY AND CONSUMPTION BY STATE

[NOTE.—All data except as specified are for years ended July 31. See headnote Table 778.]

| Section and State | Cotton spindles in place (thousands) |               |               | Spindle hours (millions) |         |         | Cotton consumed, excluding lint (thousands of bales) |                    |                    |         |         |
|-------------------|--------------------------------------|---------------|---------------|--------------------------|---------|---------|--|--------------------|--------------------|---------|---------|
|                   | Aug 31, 1911                         | July 31, 1926 | July 31, 1927 | 1924-25                  | 1925-26 | 1926-27 | 1911-1915, average                                   | 1916-1920, average | 1921-1925, average | 1925-26 | 1926-27 |
| United States     | 30,804                               | 37,586        | 36,606        | 91,055                   | 93,941  | 102,006 | 5,257  | 6,383              | 5,869              | 6,450   | 7,190   |
| The South         | 11,657                               | 17,875        | 18,169        | 55,912                   | 58,518  | 65,865  | 2,740  | 3,579              | 3,811              | 4,500   | 5,194   |
| New England       | 17,045                               | 17,946        | 16,572        | 31,201                   | 31,541  | 33,052  | 2,191  | 2,354              | 1,732              | 1,628   | 1,673   |
| Other States      | 2,102                                | 1,765         | 1,655         | 3,941                    | 3,882   | 3,688   | 416  | 455                | 326                | 322     | 321     |
| Alabama           | 968                                  | 1,470         | 1,524         | 4,311                    | 4,785   | 5,085   | 275  | 361                | 385                | 494     | 579     |
| Connecticut       | 1,270                                | 1,202         | 1,107         | 2,330                    | 2,441   | 2,544   | 127  | 138                | 106                | 93      | —       |
| Georgia           | 1,981                                | 2,912         | 2,969         | 6,954                    | 9,315   | 10,370  | 589  | 812                | 840                | 1,013   | 1,143   |
| Maine             | 1,067                                | 1,131         | 1,118         | 2,176                    | 2,140   | 2,117   | 170  | 164                | 159                | 236     | 136     |
| Massachusetts     | 10,613                               | 11,417        | 10,542        | 18,696                   | 18,538  | 20,116  | 1,269  | 1,432              | 1,023              | 946     | 979     |
| New Hampshire     | 1,463                                | 1,439         | 1,430         | 2,308                    | 2,573   | 2,745   | 292  | 297                | 206                | 225     | 233     |
| New Jersey        | 483                                  | 416           | 379           | 1,060                    | 957     | 757     | 56   | 48                 | 43                 | 39      | 36      |
| New York          | 904                                  | 916           | 873           | 1,908                    | 1,921   | 1,922   | 199  | 232                | 168                | 164     | 163     |
| North Carolina    | 3,364                                | 6,075         | 6,199         | 19,607                   | 19,953  | 23,002  | 840  | 1,129              | 1,197              | 1,394   | 1,640   |
| Pennsylvania      | 280                                  | 143           | 120           | 314                      | 310     | 259     | 48   | 46                 | 29                 | 30      | 27      |
| Rhode Island      | 2,527                                | 2,613         | 2,469         | 5,255                    | 5,217   | 5,197   | 232  | 290                | 228                | 220     | 219     |
| South Carolina    | 4,187                                | 5,355         | 5,403         | 18,007                   | 18,826  | 21,428  | 743  | 875                | 941                | 1,076   | 1,244   |
| Tennessee         | 253                                  | 867           | 598           | 1,364                    | 1,663   | 1,945   | 74   | 103                | 108                | 131     | 131     |
| Virginia          | 373                                  | 711           | 711           | 1,674                    | 1,771   | 1,839   | 95   | 106                | 112                | 121     | 120     |
| All other States  | 1,021                                | 1,219         | 1,204         | 2,698                    | 3,132   | 3,379   | 258  | 325                | 325                | 363     | 411     |

Source: Bureau of the Census, Department of Commerce.

**No. 780.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED AND SOLD, CALENDAR YEARS**

[NOTE.—Black blasting powder in thousands of kegs of 25 pounds each; other figures in thousands of pounds.  
"Permissible" explosives are those approved by the Bureau of Mines as suitable for use in coal mines]

| Kind and use  | 1915    | 1920    | 1921    | 1922    | 1923    | 1924    | 1925    | 1926    | 1927    |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Black blasting powder.....                                  | 7,909   | 10,195  | 6,401   | 7,155   | 8,078   | 6,683   | 6,279   | 6,307   | 5,288   |
| Railway and other construction work.....                    | 290     | 196     | 164     | 310     | 370     | 341     | 382     | 301     | 248     |
| Coal mining.....  | 6,701   | 8,791   | 5,613   | 6,190   | 7,020   | 5,625   | 5,297   | 5,444   | 4,503   |
| Metal mining <sup>1</sup> .....                             |         |         |         |         |         |         | 138     | 114     | 86      |
| Quarrying and nonmetallic mineral mining <sup>1</sup> ..... |         |         |         |         |         |         | 240     | 236     | 231     |
| Other mining.....   | 268     | 347     | 185     | 168     | 175     | 144     |         |         |         |
| All other purposes.....                                     | 650     | 861     | 439     | 487     | 513     | 572     | 221     | 212     | 199     |
| High explosives other than "permissible".....               | 235,229 | 239,112 | 170,952 | 209,476 | 267,405 | 273,323 | 286,435 | 310,518 | 303,489 |
| Railway and other construction work.....                    | 22,280  | 15,053  | 18,317  | 22,434  | 31,930  | 40,647  | 39,916  | 44,982  | 48,266  |
| Coal mining.....  | 22,384  | 37,273  | 34,232  | 25,498  | 37,829  | 36,608  | 26,947  | 35,229  | 34,173  |
| Metal mining <sup>1</sup> .....                             |         |         |         |         |         |         | 102,623 | 110,374 | 102,122 |
| Quarrying and nonmetallic mineral mining <sup>1</sup> ..... |         |         |         |         |         |         | 71,501  | 76,186  | 78,506  |
| Other mining.....   | 109,129 | 89,132  | 50,977  | 78,074  | 105,004 | 103,836 |         |         |         |
| All other purposes.....                                     | 82,036  | 87,654  | 67,426  | 83,470  | 92,642  | 92,231  | 45,448  | 43,747  | 40,413  |
| "Permissible" explosives.....                               | 27,350  | 53,963  | 41,134  | 43,430  | 60,371  | 55,134  | 58,353  | 67,685  | 63,847  |
| Railway and other construction work.....                    | 140     | 267     | 263     | 154     | 324     | 265     | 263     | 242     | 216     |
| Coal mining.....  | 21,842  | 45,222  | 38,056  | 40,198  | 56,807  | 52,147  | 52,256  | 65,143  | 60,942  |
| Metal mining <sup>1</sup> .....                             |         |         |         |         |         |         | 3,533   | 216     | 191     |
| Quarrying and nonmetallic mineral mining <sup>1</sup> ..... |         |         |         |         |         |         | 838     | 581     | 536     |
| Other mining.....   | 4,688   | 3,751   | 882     | 1,453   | 783     | 515     |         |         |         |
| All other purposes.....                                     | 681     | 4,724   | 1,934   | 1,625   | 2,457   | 2,207   | 1,463   | 1,503   | 1,962   |

<sup>1</sup> Prior to 1925, included with "Other mining" and "All other purposes."

**No. 781.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED IN THE UNITED STATES AND SOLD IN EACH STATE, CALENDAR YEAR, 1927**

[NOTE.—See headnote to Table 780]

| State of sale               | Black blasting powder          | High explosives other than "permissible" | "Permissible" explosives | State of sale       | Black blasting powder       | High explosives other than "permissible" | "Permissible" explosives |
|-----------------------------|--------------------------------|--|--------------------------|---------------------|-----------------------------|--|--------------------------|
| Total.....                  | Kegs <sup>1</sup><br>5,267,848 | Pounds<br>303,489,267                    | Pounds<br>63,847,161     | Montana.....        | Kegs <sup>1</sup><br>76,969 | Pounds<br>6,322,644                      | Pounds<br>23,050         |
| Alabama.....                | 105,507                        | 8,316,094                                | 4,847,100                | Nebraska.....       | 1,922                       | 221,076                                  |                          |
| Alaska.....                 | 371                            | 2,370,890                                | 87,750                   | Nevada.....         | 35,584                      | 3,490,325                                | 200                      |
| Arizona.....                | 24,025                         | 13,848,385                               |                          | New Hampshire.....  | 556                         | 227,675                                  |                          |
| Arkansas.....               | 70,353                         | 2,052,145                                | 164,233                  | New Jersey.....     | 73                          | 3,368,650                                |                          |
| California.....             | 81,720                         | 18,244,403                               | 4,650                    | New Mexico.....     | 13,338                      | 3,097,075                                | 425,800                  |
| Colorado.....               | 62,846                         | 5,357,886                                | 824,350                  | New York.....       | 12,842                      | 14,507,903                               | 65,450                   |
| Connecticut.....            | 462                            | 1,453,700                                |                          | North Carolina..... | 30,888                      | 3,860,800                                | 14,300                   |
| Delaware.....               | 32                             | 71,574                                   |                          | North Dakota.....   | 27,917                      | 181,357                                  | 29,875                   |
| Florida.....                | 26,439                         | 9,104,597                                |                          | Ohio.....           | 255,569                     | 10,942,311                               | 223,100                  |
| Georgia.....                | 18,771                         | 1,865,175                                | 100                      | Oklahoma.....       | 120,667                     | 11,030,270                               | 275,296                  |
| Idaho.....                  | 7,074                          | 4,886,133                                | 8,850                    | Oregon.....         | 20,197                      | 4,778,500                                | 260                      |
| Illinois.....               | 683,019                        | 7,647,003                                | 2,706,700                | Pennsylvania.....   | 1,008,385                   | 45,537,034                               | 31,662,640               |
| Indiana.....                | 492,849                        | 4,065,795                                | 676,000                  | Rhode Island.....   | 184                         | 117,700                                  |                          |
| Iowa.....                   | 142,491                        | 2,697,475                                | 8,650                    | South Carolina..... | 3,976                       | 825,640                                  |                          |
| Kansas.....                 | 213,781                        | 7,682,353                                | 331,920                  | South Dakota.....   | 673                         | 1,228,035                                | 3,300                    |
| Kentucky.....               | 655,272                        | 4,731,360                                | 3,387,800                | Tennessee.....      | 113,850                     | 3,714,045                                | 320,900                  |
| Louisiana.....              | 350                            | 3,358,024                                | 97,750                   | Texas.....          | 75,249                      | 9,275,375                                | 65,100                   |
| Maine.....                  | 2,125                          | 714,025                                  |                          | Utah.....           | 18,420                      | 8,100,965                                | 979,745                  |
| Maryland <sup>1</sup> ..... | 23,759                         | 2,121,675                                | 141,650                  | Vermont.....        | 4,325                       | 413,400                                  |                          |
| Massachusetts.....          | 1,496                          | 1,293,875                                |                          | Virginia.....       | 64,259                      | 3,648,925                                | 1,221,800                |
| Michigan.....               | 8,940                          | 20,287,150                               | 2,300                    | Washington.....     | 44,989                      | 10,926,586                               | 670,625                  |
| Minnesota.....              | 36,290                         | 12,647,527                               |                          | West Virginia.....  | 509,149                     | 5,450,960                                | 13,460,800               |
| Mississippi.....            | 2,989                          | 1,554,125                                |                          | Wisconsin.....      | 4,420                       | 4,874,425                                | 50                       |
| Missouri.....               | 103,872                        | 9,558,932                                | 158,037                  | Wyoming.....        | 58,314                      | 1,388,300                                | 953,960                  |

<sup>1</sup> Kegs of 25 pounds each.

<sup>2</sup> Includes District of Columbia.

Source of Tables 780 and 781: Bureau of Mines, Department of Commerce.

## No. 782.—FERMENTED LIQUORS AND DISTILLED SPIRITS PRODUCED

| Year ended<br>June 30— | Distilled spirits                    |                                 |                                 | Fer-<br>mented<br>liquors     | Year ended<br>June 30— | Distilled spirits                    |                                 |                                 | Fer-<br>mented<br>liquors     |
|------------------------|--------------------------------------|---------------------------------|---------------------------------|-------------------------------|------------------------|--------------------------------------|---------------------------------|---------------------------------|-------------------------------|
|                        | Ex-<br>clusive<br>of fruit<br>brandy | Fruit<br>brandy                 | Total                           |                               |                        | Ex-<br>clusive<br>of fruit<br>brandy | Fruit<br>brandy                 | Total                           |                               |
|                        | 1,000 tax<br>galls <sup>1</sup>      | 1,000 tax<br>galls <sup>1</sup> | 1,000 tax<br>galls <sup>1</sup> | 1,000<br>barrels <sup>2</sup> |                        | 1,000 tax<br>galls <sup>1</sup>      | 1,000 tax<br>galls <sup>1</sup> | 1,000 tax<br>galls <sup>1</sup> | 1,000<br>barrels <sup>2</sup> |
| 1905.....              | 147,811                              | 5,449                           | 153,259                         | 49,522                        | 1919....               | 98,978                               | 1,802                           | 100,779                         | 27,713                        |
| 1910.....              | 156,238                              | 7,856                           | 163,894                         | 50,545                        | 1920....               | 99,616                               | 1,649                           | 101,265                         | 28,231                        |
| 1912.....              | 178,250                              | 9,322                           | 187,572                         | 52,177                        | 1921....               | 84,366                               | 1,531                           | 85,896                          | 22,230                        |
| 1913.....              | 185,353                              | 8,253                           | 193,606                         | 55,325                        | 1922....               | 81,086                               | 1,077                           | 82,163                          | 21,348                        |
| 1914.....              | 174,612                              | 7,308                           | 181,920                         | 56,189                        | 1923....               | 123,208                              | 1,417                           | 124,625                         | 32,209                        |
| 1915.....              | 132,134                              | 8,522                           | 140,656                         | 59,808                        | 1924....               | 136,682                              | 847                             | 137,529                         | 35,891                        |
| 1916.....              | 249,124                              | 4,159                           | 253,283                         | 58,634                        | 1925....               | 166,961                              | 846                             | 167,806                         | 43,119                        |
| 1917.....              | 277,834                              | 8,251                           | 286,085                         | 60,817                        | 1926....               | 203,106                              | 644                             | 203,750                         | 51,936                        |
| 1918.....              | 173,476                              | 5,367                           | 178,834                         | 50,206                        | 1927....               | 185,133                              | 338                             | 185,472                         | 47,382                        |

<sup>1</sup>In computing taxable gallons, all fractional parts of a gallon less than one-tenth are excluded.<sup>2</sup>Of not more than 31 gallons<sup>3</sup>Includes fermented liquors removed from breweries for export free of tax<sup>4</sup>This item represents cereal beverages containing less than one-half of 1 per cent alcohol by volume.

## No. 783.—DENATURED ALCOHOL

| Year ended June 30— | Alcohol pro-<br>duced at in-<br>dustrial alcohol<br>plants <sup>1</sup> | Dena-<br>turing<br>plants | Ethyl alcohol<br>withdrawn<br>for denatura-<br>tion | Denatured alcohol produced |                        |              |
|---------------------|---|---------------------------|---|----------------------------|------------------------|--------------|
|                     |   |                           |   | Completely<br>denatured    | Specially<br>denatured | Total        |
|                     | Proof gallons   |                           | Proof gallons                                       | Wine gallons               | Wine gallons           | Wine gallons |
| 1913.....           |   | 21                        | 16,953,558  | 5,223,241                  | 4,608,418              | 9,831,659    |
| 1915.....           |   | 22                        | 25,411,719  | 5,386,647                  | 5,599,832              | 10,986,479   |
| 1917.....           |   | 44                        | 93,762,429  | 10,508,919                 | 45,170,679             | 55,679,598   |
| 1918.....           |   | 49                        | 90,644,723  | 10,328,456                 | 39,834,561             | 50,163,016   |
| 1919.....           |   | 45                        | 60,399,308  | 9,976,721                  | 28,294,219             | 38,270,940   |
| 1920.....           | 18,933,551  | 52                        | 45,640,940  | 13,528,403                 | 15,307,947             | 28,836,350   |
| 1921.....           | 85,088,776  | 57                        | 38,812,139  | 12,392,595                 | 9,946,230              | 22,338,825   |
| 1922.....           | 79,906,102  | 77                        | 59,549,920  | 16,193,524                 | 17,152,224             | 33,345,748   |
| 1923.....           | 122,402,850   | 76                        | 105,819,405   | 27,128,230                 | 30,436,913             | 57,565,143   |
| 1924.....           | 135,897,726   | 83                        | 121,576,196   | 34,602,004                 | 33,065,292             | 67,667,296   |
| 1925.....           | 166,165,518   | 91                        | 148,970,231   | 46,962,970                 | 34,824,308             | 81,787,278   |
| 1926.....           | 202,271,670   | 97                        | 191,670,107   | 65,881,442                 | 39,494,444             | 105,375,886  |
| 1927.....           | 184,323,017   | 94                        | 170,632,437   | 56,093,748                 | 29,354,938             | 85,448,686   |

<sup>1</sup>Separate accounts for alcohol produced at industrial alcohol plants required commencing May 1, 1920.

## No. 784.—LEAF TOBACCO: AMOUNTS CONSUMED IN THE MANUFACTURE OF CIGARS, CIGARETTES, CHEWING AND SMOKING TOBACCO, AND SNUFF

[NOTE.—All figures in thousands of pounds. Figures are unstemmed equivalent of all tobacco, stemmed, unstemmed, and scrap. Beginning with 1922 the Commissioner of Internal Revenue converted stemmed tobacco used in the manufacture of cigars and cigarettes to unstemmed at the ratio of 3 pounds stemmed to 4 pounds unstemmed. In previous years conversion was at the ratio of 3 to 5. In the following table figures are given on the new basis beginning 1918. On the old basis the quantity used for cigars in 1918 was calculated at 162,277,000 pounds, and that for cigarettes at 177,879,000 pounds.]

| Calendar year<br>or yearly<br>average | Total   | Cigars  | Ciga-<br>rettes | Tobacco<br>and<br>snuff | Calendar<br>year        | Total   | Cigars  | Ciga-<br>rettes | Tobacco<br>and<br>snuff |
|---------------------------------------|---------|---------|-----------------|-------------------------|-------------------------|---------|---------|-----------------|-------------------------|
| 1896-1900.....                        | 352,350 | 87,851  | 16,235          | 248,264                 | 1919.....               | 626,862 | 151,508 | 166,788         | 307,576                 |
| 1901-1905.....                        | 435,194 | 124,411 | 12,444          | 298,339                 | 1920.....               | 621,864 | 168,597 | 146,907         | 306,360                 |
| 1906-1910.....                        | 496,848 | 139,208 | 22,079          | 334,563                 | 1921.....               | 587,391 | 143,228 | 158,336         | 285,827                 |
| 1911-1915.....                        | 549,474 | 163,560 | 54,225          | 341,689                 | 1922.....               | 619,517 | 151,709 | 169,597         | 298,211                 |
| 1916-1920.....                        | 661,633 | 168,366 | 155,828         | 337,440                 | 1923.....               | 662,064 | 159,763 | 200,366         | 301,935                 |
| 1921-1925 <sup>1</sup> ..             | 646,035 | 151,421 | 198,031         | 296,583                 | 1924.....               | 669,103 | 163,413 | 217,700         | 297,990                 |
| 1913.....                             | 558,416 | 163,000 | 56,559          | 338,857                 | 1925.....               | 692,009 | 149,001 | 244,215         | 298,793                 |
| 1917.....                             | 658,066 | 169,576 | 133,506         | 354,984                 | 1926.....               | 712,557 | 152,372 | 267,584         | 292,601                 |
| 1918.....                             | 664,974 | 149,837 | 146,056         | 369,081                 | 1927 <sup>2</sup> ..... | 717,665 | 154,501 | 262,233         | 299,931                 |

<sup>1</sup>Figures are given on new basis, previous yearly averages are on old basis.<sup>2</sup>Estimated

Source of Tables 782, 783, and 784: Reports of the Commissioner of Internal Revenue, Treasury Department.

No. 785.—PRODUCTION OF MANUFACTURED TOBACCO

[NOTE.—Compiled from monthly returns of manufacturers. Data relate to products manufactured in continental United States and do not include cigars and cigarettes manufactured from imported tobacco in bonded manufacturing warehouses, which amounted in 1927 to 30,856,414 and 5,155,764,740, respectively. Large cigars and cigarettes are those weighing more than 3 pounds per thousand]

| Calendar year<br>or yearly<br>average. | Tobacco and snuff (thousands of pounds) |         |                  |             |              |        | Cigars (thousands) |           | Cigarettes<br>(thousands) |            |
|--|---|---------|------------------|-------------|--------------|--------|--------------------|-----------|---------------------------|------------|
|  | Total                                   | Plug    | Twist            | Fine<br>cut | Smok-<br>ing | Snuff  | Large              | Small     | Large                     | Small      |
| 1901-1905.....                         | 346,841                                 | 175,981 | ( <sup>1</sup> ) | 11,903      | 138,402      | 20,556 | 6,513,095          | 716,720   | 7,143                     | 3,227,602  |
| 1906-1910.....                         | 413,054                                 | 167,460 | 13,524           | 12,525      | 192,700      | 26,845 | 6,883,272          | 1,059,501 | 16,113                    | 6,192,571  |
| 1911-1915.....                         | 437,346                                 | 158,529 | 15,017           | 10,795      | 222,265      | 31,140 | 7,087,530          | 1,053,654 | 15,695                    | 14,802,416 |
| 1916-1920.....                         | 456,584                                 | 159,869 | 14,346           | 9,758       | 237,808      | 34,805 | 7,364,937          | 810,327   | 26,026                    | 41,565,670 |
| 1921-1925.....                         | 609,457                                 | 115,445 | 10,105           | 6,972       | 239,151      | 37,785 | 6,691,913          | 557,300   | 16,704                    | 65,903,991 |
| 1913.....                              | 443,875                                 | 164,339 | 14,894           | 10,935      | 220,810      | 32,898 | 7,571,508          | 959,409   | 15,106                    | 15,555,693 |
| 1918.....                              | 497,060                                 | 174,697 | 17,499           | 9,809       | 257,893      | 37,180 | 7,053,549          | 847,466   | 23,414                    | 46,656,903 |
| 1919.....                              | 424,069                                 | 141,038 | 11,290           | 8,166       | 228,567      | 35,008 | 7,072,357          | 713,236   | 31,889                    | 53,119,784 |
| 1920.....                              | 412,630                                 | 138,563 | 11,766           | 8,681       | 219,271      | 34,349 | 8,096,759          | 633,222   | 28,039                    | 47,430,105 |
| 1921.....                              | 386,951                                 | 113,384 | 9,261            | 6,893       | 222,723      | 34,690 | 6,726,095          | 670,483   | 14,518                    | 52,085,012 |
| 1922.....                              | 419,506                                 | 120,174 | 10,948           | 6,892       | 243,355      | 38,136 | 6,722,354          | 632,907   | 17,450                    | 55,763,023 |
| 1923.....                              | 412,777                                 | 120,798 | 10,665           | 7,141       | 234,944      | 39,228 | 6,950,247          | 505,305   | 18,066                    | 66,715,830 |
| 1924.....                              | 414,178                                 | 111,477 | 9,902            | 6,781       | 246,990      | 39,029 | 6,597,677          | 530,714   | 16,054                    | 72,708,989 |
| 1925.....                              | 413,873                                 | 111,391 | 9,750            | 7,151       | 247,740      | 37,841 | 6,463,193          | 447,069   | 17,429                    | 82,247,100 |
| 1926.....                              | 410,596                                 | 109,766 | 9,179            | 6,985       | 246,439      | 38,227 | 6,498,641          | 412,315   | 13,240                    | 92,096,974 |
| 1927 <sup>2</sup> .....                | 394,075                                 | .....   | .....            | .....       | .....        | 40,155 | 6,571,373          | 436,180   | 11,561                    | 97,176,607 |

| State               | Number of factories Jan.<br>1, 1927, making— |        |                 | Production in 1926 (calendar year)        |                    |         |                           |            |
|---------------------|--|--------|-----------------|---|--------------------|---------|---------------------------|------------|
|                     | Tobacco<br>and<br>snuff                      | Cigars | Ciga-<br>rettes | Tobacco<br>and snuff<br>(1,000<br>pounds) | Cigars (thousands) |         | Cigarettes<br>(thousands) |            |
|                     |  |        |                 |   | Large              | Small   | Large                     | Small      |
| Total.....          | 1,423  | 8,427  | 139             | 410,596                                   | 6,498,641          | 412,315 | 13,240                    | 92,096,974 |
| California.....     | 35   | 281    | 8               | 131                                       | 74,116             | .....   | 45                        | 3,956,074  |
| Connecticut.....    | 14   | 164    | .....           | 54  | 37,859             | .....   | .....                     | .....      |
| Delaware.....       | 1  | 14     | .....           | 2,356                                     | 51,799             | .....   | .....                     | .....      |
| Florida.....        | 11   | 297    | 3               | 7   | 550,144            | .....   | .....                     | 3,887      |
| Illinois.....       | 157  | 941    | 7               | 33,531                                    | 100,812            | .....   | 769                       | 5,509      |
| Indiana.....        | 50   | 210    | .....           | 412                                       | 180,780            | .....   | .....                     | .....      |
| Iowa.....           | 42   | 170    | .....           | 524                                       | 33,499             | .....   | .....                     | .....      |
| Kentucky.....       | 48   | 58     | 1               | 38,112                                    | 85,127             | .....   | .....                     | 459,060    |
| Louisiana.....      | 70   | 47     | 1               | 132                                       | 81,336             | .....   | .....                     | 5,493      |
| Massachusetts.....  | 32   | 273    | 9               | 422                                       | 115,117            | .....   | 42                        | 5,353      |
| Michigan.....       | 43   | 280    | 2               | 15,605                                    | 295,777            | .....   | .....                     | 20,032     |
| Minnesota.....      | 40   | 189    | .....           | 88  | 32,916             | .....   | .....                     | .....      |
| Missouri.....       | 20   | 223    | 1               | 58,354                                    | 36,015             | 2       | .....                     | 662        |
| Nebraska.....       | 16   | 54     | .....           | 44  | 14,781             | .....   | .....                     | .....      |
| New Jersey.....     | 28   | 264    | 5               | 14,797                                    | 579,502            | 365     | 1                         | 6,663,609  |
| New York.....       | 328  | 1,838  | 72              | 8,443                                     | 612,057            | 8,608   | 11,111                    | 7,654,020  |
| North Carolina..... | 17   | 22     | 7               | 122,450                                   | 18,064             | 45,689  | .....                     | 53,011,422 |
| Ohio.....           | 100  | 540    | 2               | 56,693                                    | 536,285            | 15      | 10                        | 189        |
| Pennsylvania.....   | 183  | 1,220  | 12              | 4,506                                     | 2,199,637          | 111,914 | 413                       | 4,695,028  |
| Tennessee.....      | 21   | 33     | .....           | 18,817                                    | 81,512             | .....   | .....                     | .....      |
| Virginia.....       | 24   | 41     | 7               | 22,631                                    | 330,842            | 108,699 | 358                       | 15,613,889 |
| West Virginia.....  | 9  | 46     | 1               | 11,366                                    | 86,368             | 3       | .....                     | 2,745      |
| All other.....      | 134  | 1,222  | 1               | 1,121                                     | 364,296            | 137,021 | 492                       | .....      |

<sup>1</sup> Twist included with plug prior to 1906. <sup>2</sup> Estimates based on sale of stamps by collectors' offices.

Source: Annual Report of the Commissioner of Internal Revenue.

No. 786.—CONSUMPTION OF TOBACCO IN THE UNITED STATES

[NOTE.—All figures except per capita in thousands of pounds. Leaf tobacco used in manufacture given on "new basis," see headnote, Table 784]

|                                       | 1921    | 1922    | 1923    | 1924    | 1925    | 1926    | 1927    |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|
| Leaf tobacco consumed in manufacture: |         |         |         |         |         |         |         |
| In registered factories.....          | 587,391 | 619,517 | 662,064 | 669,103 | 692,099 | 712,557 | 717,665 |
| In bond.....                          | 18,209  | 29,379  | 34,305  | 25,589  | 18,519  | 19,059  | 16,073  |
| Manufactured tobacco imported:        |         |         |         |         |         |         |         |
| From Porto Rico.....                  | 2,430   | 3,312   | 3,878   | 3,535   | 4,151   | 3,564   | 2,967   |
| Other countries.....                  | 2,248   | 3,116   | 5,037   | 3,894   | 4,001   | 3,859   | 3,498   |
| Exports of manufactured tobacco.....  | 35,957  | 41,066  | 41,907  | 37,060  | 29,726  | 33,834  | 26,356  |
| Remaining for consumption.....        | 574,325 | 614,258 | 663,377 | 668,061 | 689,044 | 705,205 | 713,847 |
| Per capita consumption—pounds.....    | 5.30    | 5.59    | 5.94    | 5.87    | 5.97    | 6.02    | 6.02    |

Sources: Leaf tobacco used in registered factories from reports of the Commissioner of Internal Revenue; leaf tobacco used in bonded factories, from reports of the Division of Customs, Treasury Department.

## No. 787.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES

[Note.—Figures do not include data for installation permits (those for installing boilers, signs, etc.) which are not strictly building operations but which were included in the figures originally published for 1923 and 1924. These permits are rather numerous but in value they are of small amount. The number figures represent the number of buildings covered by permits issued (new construction and repairs, etc.), rather than the number of permits. The cities shown include all cities having a population of 50,000 or over in 1920, and some cities having a population of 25,000 or over. The estimated cost of buildings authorized in 130 identical cities since 1914 is as follows: 1914, \$748,309,783; 1915, \$770,228,607; 1916, \$980,333,085; 1917, \$649,961,875; 1918, \$401,565,104; 1919, \$1,258,875,108; 1920, \$1,342,630,686; 1921, \$1,002,232,041; 1922, \$2,427,734,079; 1923, \$2,259,051,383; 1924, \$3,008,161,900; 1925, \$3,550,572,815; 1926, \$3,336,102,300; and 1927, \$2,992,454,182. Buildings authorized by permit are not always actually constructed, and actual cost of those constructed may differ considerably from that originally estimated.]

| City and State            | Total number of buildings |        |        |        |        | Proposed cost of buildings |                  |                  |                  |                  |
|---------------------------|---------------------------|--------|--------|--------|--------|----------------------------|------------------|------------------|------------------|------------------|
|                           | 1923                      | 1924   | 1925   | 1926   | 1927   | 1923                       | 1924             | 1925             | 1926             | 1927             |
|                           |                           |        |        |        |        | 1,000<br>dollars           | 1,000<br>dollars | 1,000<br>dollars | 1,000<br>dollars | 1,000<br>dollars |
| Akron, Ohio.....          | 8,829                     | 4,290  | 5,351  | 5,024  | 5,495  | 7,367                      | 8,789            | 14,454           | 15,963           | 20,196           |
| Albany, N. Y.....         | 3,249                     | 4,764  | 3,492  | 2,992  | 2,684  | 15,689                     | 12,499           | 14,704           | 25,754           | 16,189           |
| Allentown, Pa.....        | 1,462                     | 1,458  | 1,588  | 1,766  | 1,663  | 4,804                      | 5,844            | 8,687            | 9,218            | 6,583            |
| Altoona, Pa.....          | 1,913                     | 1,787  | 1,709  | 1,548  | 1,480  | 3,037                      | 3,268            | 3,002            | 3,923            | 3,041            |
| Atlanta, Ga.....          | 4,576                     | 4,501  | 3,849  | 3,784  | 4,085  | 26,596                     | 17,976           | 10,153           | 17,173           | 11,461           |
| Atlantic City, N. J.....  | 1,901                     | 1,695  | 1,786  | 1,216  | 1,091  | 6,718                      | 9,492            | 11,635           | 9,256            | 5,539            |
| Augusta, Ga.....          | 1,806                     | 1,001  | 1,409  | 1,436  | 1,963  | 1,231                      | 1,210            | 1,436            | 1,167            | 1,459            |
| Baltimore, Md.....        | 20,303                    | 25,684 | 21,927 | 22,135 | 20,625 | 38,946                     | 40,664           | 45,458           | 42,456           | 29,439           |
| Bayonne, N. J.....        | 714                       | 608    | 554    | 429    | 338    | 5,458                      | 3,566            | 3,886            | 2,656            | 1,939            |
| Berkeley, Calif.....      | 2,620                     | 3,556  | 4,260  | 3,200  | 2,669  | 9,159                      | 9,369            | 10,056           | 7,334            | 6,699            |
| Bethlehem, Pa.....        | 510                       | 615    | 678    | 767    | 803    | 1,946                      | 2,372            | 9,180            | 2,181            | 2,477            |
| Binghamton, N. Y.....     | 2,490                     | 2,057  | 1,962  | 1,832  | 2,441  | 5,175                      | 4,393            | 4,497            | 3,276            | 4,391            |
| Birmingham, Ala.....      | 5,920                     | 6,343  | 6,198  | 5,595  | 5,392  | 11,146                     | 18,166           | 16,662           | 17,174           | 21,797           |
| Boston, Mass.....         | 9,297                     | 11,367 | 10,965 | 9,815  | 9,839  | 40,676                     | 53,632           | 70,718           | 51,484           | 60,957           |
| Bridgeport, Conn.....     | 871                       | 1,399  | 1,040  | 1,020  | 1,145  | 3,808                      | 2,981            | 3,719            | 3,468            | 3,137            |
| Brockton, Mass.....       | 1,368                     | 1,840  | 1,075  | 900    | 952    | 2,381                      | 2,437            | 1,730            | 1,679            | 1,433            |
| Brookline, Mass.....      | 532                       | 562    | 606    | 539    | 536    | 8,567                      | 8,913            | 9,806            | 4,951            | 5,903            |
| Buffalo, N. Y.....        | 9,823                     | 10,506 | 9,450  | 7,230  | 6,005  | 29,680                     | 28,402           | 26,774           | 27,413           | 23,073           |
| Cambridge, Mass.....      | 1,113                     | 1,202  | 1,256  | 1,084  | 1,057  | 5,313                      | 8,285            | 11,711           | 8,270            | 8,357            |
| Camden, N. J.....         | 1,761                     | 1,967  | 2,114  | 2,246  | 1,751  | 8,121                      | 6,338            | 7,913            | 6,571            | 5,100            |
| Canton, Ohio.....         | 3,825                     | 3,063  | 2,835  | 2,359  | 1,944  | 8,440                      | 8,606            | 8,966            | 5,321            | 4,156            |
| Charleston, S. C.....     | 277                       | 234    | 573    | 402    | 433    | 1,533                      | 217              | 732              | 466              | 566              |
| Chattanooga, Tenn.....    | 2,164                     | 2,149  | 2,740  | 3,079  | 3,000  | 2,855                      | 2,855            | 4,977            | 4,908            | 4,374            |
| Chester, Pa.....          | 529                       | 578    | 709    | 693    | 664    | 2,313                      | 2,074            | 3,442            | 3,546            | 2,766            |
| Chicago, Ill.....         | 31,990                    | 34,315 | 31,964 | 28,660 | 28,100 | 334,164                    | 306,911          | 373,804          | 376,906          | 365,065          |
| Chicopee, Mass.....       | 831                       | 932    | 960    | 596    | 445    | 2,574                      | 3,516            | 3,654            | 1,557            | 1,117            |
| Cincinnati, Ohio.....     | 7,619                     | 7,256  | 7,802  | 8,332  | 8,662  | 23,365                     | 23,572           | 31,970           | 1,557            | 30,570           |
| Cleveland, Ohio.....      | 21,120                    | 16,952 | 16,128 | 13,912 | 12,108 | 72,450                     | 62,960           | 67,916           | 29,357           | 41,461           |
| Columbus, Ohio.....       | 7,073                     | 9,585  | 7,100  | 7,046  | 6,080  | 22,297                     | 30,966           | 29,353           | 25,291           | 23,293           |
| Council Bluffs, Iowa..... | 961                       | 647    | 669    | 496    | 376    | 2,901                      | 1,760            | 1,773            | 2,022            | 596              |
| Covington, Ky.....        | 560                       | 743    | 844    | 797    | 720    | 1,330                      | 2,062            | 2,915            | 2,152            | 1,729            |
| Dallas, Tex.....          | 5,518                     | 5,241  | 5,283  | 4,262  | 3,533  | 25,231                     | 27,796           | 29,354           | 16,123           | 9,774            |
| Davenport, Iowa.....      | 1,523                     | 1,731  | 863    | 662    | 708    | 8,567                      | 1,820            | 1,831            | 1,163            | 2,023            |
| Dayton, Ohio.....         | 4,146                     | 3,420  | 3,383  | 2,922  | 3,118  | 10,202                     | 9,750            | 12,484           | 11,011           | 10,332           |
| Denver, Colo.....         | 6,231                     | 7,809  | 7,064  | 6,152  | 7,339  | 19,774                     | 28,175           | 24,713           | 13,873           | 15,755           |
| Des Moines, Iowa.....     | 2,541                     | 2,312  | 2,130  | 1,383  | 1,243  | 8,326                      | 9,220            | 6,194            | 5,699            | 2,576            |
| Detroit, Mich.....        | 35,707                    | 40,682 | 41,892 | 40,204 | 28,104 | 129,720                    | 160,548          | 180,183          | 193,721          | 145,536          |
| Dubuque, Iowa.....        | 623                       | 986    | 1,067  | 966    | 918    | 1,618                      | 1,618            | 1,291            | 1,729            | 1,399            |
| Duluth, Minn.....         | 2,977                     | 2,532  | 2,781  | 2,229  | 2,453  | 6,647                      | 7,113            | 7,060            | 1,686            | 4,431            |
| East Orange, N. J.....    | 1,212                     | 1,205  | 1,264  | 1,306  | 1,124  | 4,830                      | 6,789            | 7,466            | 9,035            | 12,313           |
| East St. Louis, Ill.....  | 1,393                     | 1,270  | 1,519  | 1,325  | 1,200  | 2,852                      | 3,265            | 5,061            | 4,409            | 5,563            |
| Elizabeth, N. J.....      | 1,419                     | 1,467  | 1,766  | 1,119  | 1,454  | 5,946                      | 6,594            | 8,096            | 11,166           | 10,923           |
| El Paso, Tex.....         | 752                       | 328    | 793    | 642    | 1,162  | 2,303                      | 1,359            | 2,217            | 1,202            | 1,763            |
| Erie, Pa.....             | 1,944                     | 2,259  | 2,241  | 2,062  | 1,956  | 4,262                      | 6,949            | 8,538            | 6,091            | 5,366            |
| Evansville, Ind.....      | 2,373                     | 2,940  | 1,885  | 2,278  | 1,861  | 4,045                      | 3,334            | 3,270            | 4,466            | 3,416            |
| Everett, Mass.....        | 736                       | 741    | 725    | 667    | 667    | 1,459                      | 3,764            | 2,194            | 3,485            | 2,096            |
| Fall River, Mass.....     | 1,602                     | 1,180  | 1,302  | 809    | 842    | 5,274                      | 4,451            | 3,795            | 2,156            | 1,641            |
| Fitchburg, Mass.....      | 602                       | 669    | 685    | 452    | 318    | 1,113                      | 1,616            | 2,126            | 1,564            | 638              |
| Flint, Mich.....          | 7,677                     | 4,750  | 4,388  | 6,487  | 8,785  | 10,955                     | 8,943            | 5,274            | 13,029           | 22,067           |
| Fort Wayne, Ind.....      | 2,862                     | 3,066  | 2,759  | 2,565  | 1,844  | 11,995                     | 11,488           | 10,923           | 7,751            | 6,002            |
| Fort Worth, Tex.....      | 2,975                     | 2,463  | 2,291  | 4,271  | 4,812  | 8,475                      | 11,081           | 8,434            | 19,402           | 28,494           |
| Galveston, Tex.....       | 1,082                     | 2,256  | 2,859  | 2,906  | 2,651  | 1,000                      | 2,575            | 1,708            | 3,201            | 2,974            |
| Gary, Ind.....            | 1,171                     | 2,069  | 2,717  | 3,306  | 2,857  | 4,281                      | 9,069            | 13,069           | 22,074           | 15,017           |
| Grand Rapids, Mich.....   | 4,565                     | 5,953  | 6,471  | 9,610  | 8,385  | 9,926                      | 9,460            | 12,167           | 16,896           | 12,319           |
| Hamilton, Ohio.....       | 570                       | 1,014  | 1,118  | 993    | 632    | 1,455                      | 2,199            | 2,308            | 2,529            | 1,793            |



## No. 787.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES—Continued

| City and State           | Total number of buildings |        |                  |        |        | Proposed cost of buildings |                  |                  |                  |                  |
|--------------------------|---------------------------|--------|------------------|--------|--------|----------------------------|------------------|------------------|------------------|------------------|
|                          | 1923                      | 1924   | 1925             | 1926   | 1927   | 1923                       | 1924             | 1925             | 1926             | 1927             |
|                          |                           |        |                  |        |        | 1,000<br>dollars           | 1,000<br>dollars | 1,000<br>dollars | 1,000<br>dollars | 1,000<br>dollars |
| Harrisburg, Pa.....      | 984                       | 1,055  | 1,039            | 1,091  | 1,037  | 9,411                      | 6,866            | 3,385            | 4,333            | 3,569            |
| Hartford, Conn.....      | 2,292                     | 2,691  | 2,717            | 3,100  | 2,321  | 11,364                     | 18,126           | 21,804           | 16,217           | 17,530           |
| Haverhill, Mass.....     | 570                       | 348    | 323              | 358    | 371    | 1,026                      | 714              | 667              | 845              | 910              |
| Hoboken, N. J.....       | 236                       | 186    | 268              | 248    | 271    | 678                        | 705              | 1,749            | 1,230            | 1,520            |
| Holyoke, Mass.....       | 660                       | 803    | 726              | 489    | 432    | 2,698                      | 3,291            | 3,413            | 2,607            | 2,044            |
| Houston, Tex.....        | 6,924                     | 6,991  | 6,598            | 5,887  | 5,880  | 19,117                     | 17,217           | 35,041           | 28,498           | 27,326           |
| Huntington, W. Va.....   | 1,982                     | 2,375  | 1,817            | 763    | 509    | 5,208                      | 9,028            | 5,414            | 1,840            | 1,547            |
| Indianapolis, Ind.....   | 14,042                    | 15,093 | 14,053           | 11,706 | 13,572 | 26,313                     | 23,910           | 24,840           | 19,030           | 23,682           |
| Jackson, Mich.....       | 1,128                     | 1,306  | 1,334            | 1,305  | 1,201  | 2,329                      | 1,602            | 2,599            | 4,180            | 2,576            |
| Jacksonville, Fla.....   | 3,034                     | 3,169  | 3,778            | 5,823  | 5,002  | 7,433                      | 7,186            | 14,601           | 20,789           | 12,768           |
| Jersey City, N. J.....   | 1,898                     | 2,126  | 2,061            | 1,833  | 1,554  | 21,541                     | 19,576           | 24,989           | 20,903           | 13,852           |
| Johnstown, Pa.....       | 699                       | 948    | ( <sup>1</sup> ) | 1,035  | 672    | 8,164                      | 6,530            | ( <sup>1</sup> ) | 3,913            | 1,386            |
| Kalamazoo, Mich.....     | 1,331                     | 1,273  | 1,421            | 1,394  | 1,494  | 1,953                      | 1,612            | 2,053            | 1,984            | 2,223            |
| Kansas City, Kans.....   | 1,950                     | 1,768  | 2,121            | 1,714  | 1,163  | 4,515                      | 3,985            | 3,737            | 2,520            | 1,587            |
| Kansas City, Mo.....     | 6,244                     | 5,221  | 6,386            | 3,899  | 2,919  | 25,762                     | 21,865           | 38,256           | 21,576           | 14,822           |
| Kenosha, Wis.....        | 1,217                     | 1,190  | 1,641            | 1,770  | 963    | 5,010                      | 4,458            | 4,640            | 5,122            | 4,468            |
| Knoxville, Tenn.....     | 3,353                     | 3,459  | 2,691            | 2,414  | 2,470  | 6,588                      | 6,512            | 6,329            | 10,710           | 5,699            |
| Lakewood, Ohio.....      | 2,497                     | 1,866  | 1,378            | 901    | 870    | 12,149                     | 8,613            | 7,317            | 4,293            | 3,516            |
| Lancaster, Pa.....       | 1,123                     | 1,257  | 899              | 717    | 856    | 3,784                      | 4,748            | 4,132            | 2,328            | 3,006            |
| Lansing, Mich.....       | 2,250                     | 2,122  | 1,629            | 1,689  | 1,301  | 6,304                      | 5,663            | 5,369            | 4,493            | 7,330            |
| Lawrence, Mass.....      | 1,156                     | 660    | 534              | 370    | 261    | 7,769                      | 3,939            | 3,005            | 1,729            | 913              |
| Lincoln, Nebr.....       | 1,319                     | 1,239  | 1,621            | 1,151  | 1,068  | 3,204                      | 3,115            | 7,007            | 5,936            | 4,399            |
| Little Rock, Ark.....    | 2,563                     | 2,252  | 2,218            | 2,186  | 2,008  | 3,483                      | 4,331            | 5,108            | 6,888            | 2,994            |
| Long Beach, Calif.....   | 5,737                     | 4,861  | 4,538            | 3,667  | 4,197  | 23,698                     | 19,751           | 12,61            | 8,565            | 13,639           |
| Los Angeles, Calif.....  | 62,548                    | 51,134 | 43,979           | 37,478 | 37,655 | 200,133                    | 150,148          | 152,646          | 23,006           | 123,027          |
| Louisville, Ky.....      | 5,212                     | 4,673  | 5,109            | 4,059  | 3,278  | 15,926                     | 18,663           | 29,504           | 20,252           | 23,341           |
| Lowell, Mass.....        | 1,585                     | 817    | 1,105            | 853    | 787    | 4,024                      | 1,577            | 2,624            | 1,578            | 971              |
| Lynn, Mass.....          | 1,132                     | 1,233  | 1,404            | 1,390  | 1,265  | 3,019                      | 3,853            | 4,683            | 4,612            | 3,878            |
| McKeesport, Pa.....      | 611                       | 813    | 950              | 2,309  | 1,905  | 1,066                      | 2,306            | 2,384            | 2,525            | 2,356            |
| Macon, Ga.....           | 1,951                     | 1,495  | 1,628            | 2,085  | 1,943  | 1,467                      | 1,754            | 1,730            | 1,739            | 2,886            |
| Malden, Mass.....        | 807                       | 876    | 880              | 860    | 866    | 2,358                      | 3,569            | 3,006            | 3,611            | 3,800            |
| Manchester, N. H.....    | 1,607                     | 1,463  | 1,315            | 1,047  | 1,189  | 1,982                      | 2,649            | 2,361            | 1,373            | 1,940            |
| Medford, Mass.....       | 951                       | 1,083  | 1,195            | 1,291  | 1,109  | 3,480                      | 4,326            | 5,596            | 5,759            | 4,371            |
| Memphis, Tenn.....       | 4,021                     | 5,068  | 4,728            | 4,795  | 4,017  | 17,434                     | 19,271           | 15,316           | 15,332           | 12,403           |
| Milwaukee, Wis.....      | 8,685                     | 8,386  | 7,960            | 8,327  | 8,609  | 34,110                     | 37,442           | 31,477           | 3,814            | 37,748           |
| Minneapolis, Minn.....   | 11,076                    | 9,570  | 9,948            | 8,090  | 6,791  | 32,964                     | 22,726           | 29,446           | 20,609           | 22,430           |
| Mobile, Ala.....         | 686                       | 960    | 831              | 690    | 872    | 1,149                      | 1,300            | 2,638            | 1,816            | 2,146            |
| Montgomery, Ala.....     | 992                       | 869    | 1,072            | 1,015  | 1,444  | 920                        | 794              | 1,012            | 1,626            | 2,531            |
| Mt. Vernon, N. Y.....    | 924                       | 945    | 939              | 913    | 962    | 5,604                      | 10,445           | 10,877           | 24,827           | 16,775           |
| Nashville, Tenn.....     | 2,915                     | 2,701  | 1,907            | 2,210  | 2,097  | 10,239                     | 5,528            | 6,386            | 5,243            | 7,078            |
| Newark, N. J.....        | 4,704                     | 4,850  | 4,548            | 4,518  | 3,998  | 35,756                     | 41,756           | 39,607           | 41,198           | 51,452           |
| New Bedford, Mass.....   | 1,475                     | 1,158  | 1,083            | 830    | 1,422  | 8,551                      | 6,925            | 8,297            | 2,269            | 2,167            |
| New Britain, Conn.....   | 1,167                     | 1,263  | 1,473            | 1,559  | 1,437  | 3,381                      | 6,132            | 7,717            | 5,789            | 4,104            |
| New Haven, Conn.....     | 2,596                     | 2,166  | 1,921            | 2,386  | 1,514  | 12,739                     | 8,376            | 8,075            | 19,467           | 11,741           |
| New Orleans, La.....     | 3,033                     | 2,773  | 2,580            | 2,152  | 2,433  | 13,988                     | 16,979           | 16,345           | 18,586           | 15,897           |
| New Rochelle, N. Y.....  | 1,028                     | 1,066  | 1,031            | 983    | 905    | 6,358                      | 8,276            | 9,410            | 8,154            | 9,736            |
| New York, N. Y.:         |                           |        |                  |        |        |                            |                  |                  |                  |                  |
| Borough of Brook-        |                           |        |                  |        |        |                            |                  |                  |                  |                  |
| lyn.....                 | 31,351                    | 30,700 | 27,696           | 26,064 | 22,431 | 280,736                    | 238,614          | 255,226          | 283,659          | 220,969          |
| Borough of Bronx         |                           |        |                  |        |        |                            |                  |                  |                  |                  |
| .....                    | 12,224                    | 8,094  | 7,962            | 10,348 | 11,864 | 132,709                    | 131,507          | 157,134          | 214,580          | 172,588          |
| Borough of Man-          |                           |        |                  |        |        |                            |                  |                  |                  |                  |
| hattan.....              | 3,733                     | 4,143  | 4,066            | 3,880  | 3,832  | 204,032                    | 286,643          | 398,931          | 341,256          | 290,321          |
| Borough of Queens        |                           |        |                  |        |        |                            |                  |                  |                  |                  |
| .....                    | 26,659                    | 26,568 | 30,911           | 28,748 | 26,579 | 158,490                    | 163,536          | 196,217          | 186,174          | 184,438          |
| Borough of Rich-         |                           |        |                  |        |        |                            |                  |                  |                  |                  |
| mond.....                | 3,587                     | 4,079  | 3,484            | 3,350  | 3,671  | 13,299                     | 15,744           | 13,006           | 14,002           | 12,017           |
| Niagara Falls, N. Y..... | 1,236                     | 1,256  | 1,471            | 1,368  | 1,343  | 5,536                      | 5,149            | 6,715            | 4,244            | 4,791            |
| Norfolk, Va.....         | 1,943                     | 1,755  | 1,594            | 1,388  | 1,464  | 5,327                      | 6,484            | 2,898            | 2,772            | 3,347            |
| Oakland, Calif.....      | 11,290                    | 11,898 | 13,082           | 9,979  | 7,027  | 27,157                     | 30,937           | 38,964           | 27,728           | 20,518           |
| Oak Park, Ill.....       | 1,442                     | 1,275  | 1,095            | 960    | 1,020  | 10,092                     | 9,750            | 8,085            | 6,470            | 9,081            |
| Oklahoma City,           |                           |        |                  |        |        |                            |                  |                  |                  |                  |
| Okla.....                | 2,437                     | 2,369  | 2,576            | 2,459  | 3,168  | 7,949                      | 8,063            | 5,777            | 7,723            | 12,682           |
| Omaha, Nebr.....         | 2,845                     | 2,852  | 2,905            | 1,490  | 1,035  | 13,002                     | 12,269           | 14,652           | 9,926            | 4,567            |
| Passaic, N. J.....       | 957                       | 1,000  | 769              | 766    | 987    | 3,702                      | 4,424            | 14,652           | 2,337            | 5,603            |
| Paterson, N. J.....      | 3,174                     | 2,694  | 2,449            | 2,377  | 2,458  | 10,735                     | 7,726            | 6,659            | 7,463            | 6,370            |
| Pawtucket, R. I.....     | 1,297                     | 1,141  | 1,345            | 1,111  | 1,140  | 4,914                      | 3,696            | 7,709            | 3,724            | 3,587            |
| Peoria, Ill.....         | 1,638                     | 1,692  | 1,785            | 1,459  | 1,492  | 3,767                      | 4,750            | 5,566            | 5,685            | 3,410            |

<sup>1</sup> Data not received.



## No. 787.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES—Continued

| City and State        | Total number of buildings |        |        |        |        | Proposed cost of buildings |                  |                  |                  |                  |
|-----------------------|---------------------------|--------|--------|--------|--------|----------------------------|------------------|------------------|------------------|------------------|
|                       | 1923                      | 1924   | 1925   | 1926   | 1927   | 1923                       | 1924             | 1925             | 1926             | 1927             |
|                       |                           |        |        |        |        | 1,000<br>dollars           | 1,000<br>dollars | 1,000<br>dollars | 1,000<br>dollars | 1,000<br>dollars |
| Philadelphia, Pa..... | 21,011                    | 23,595 | 24,949 | 17,805 | 19,082 | 128,227                    | 141,403          | 171,034          | 140,093          | 117,591          |
| Pittsburgh, Pa.....   | 8,310                     | 8,619  | 8,444  | 7,747  | 7,869  | 33,426                     | 32,155           | 52,272           | 43,790           | 37,111           |
| Portland, Me.....     | 1,251                     | 1,422  | 1,271  | 1,156  | 1,368  | 4,524                      | 3,112            | 2,002            | 4,222            | 2,327            |
| Portland, Oreg.....   | 14,463                    | 15,276 | 15,196 | 13,256 | 11,294 | 25,215                     | 29,219           | 38,476           | 32,589           | 28,973           |
| Portsmouth, Va.....   | 450                       | 466    | 442    | 370    | 403    | 692                        | 1,106            | 778              | 557              | 463              |
| Providence, R. I..... | 6,416                     | 6,512  | 7,025  | 5,297  | 5,442  | 22,472                     | 29,302           | 23,196           | 23,188           | 23,133           |
| Pueblo, Colo.....     | 881                       | 1,282  | 1,266  | 1,051  | 1,445  | 898                        | 1,686            | 2,346            | 1,246            | 1,625            |
| Quincy, Ill.....      | 285                       | 279    | 454    | 421    | 435    | 1,237                      | 1,544            | 1,257            | 1,328            | 1,073            |
| Racine, Wis.....      | 1,028                     | 1,043  | 1,295  | 1,306  | 1,373  | 2,914                      | 3,432            | 5,265            | 4,067            | 6,391            |
| Reading, Pa.....      | 3,289                     | 3,123  | 2,805  | 2,542  | 2,367  | 4,382                      | 6,069            | 6,814            | 5,267            | 4,614            |
| Richmond, Va.....     | 3,745                     | 3,837  | 3,522  | 3,217  | 3,891  | 15,642                     | 13,613           | 19,396           | 10,025           | 15,216           |
| Roanoke, Va.....      | 1,931                     | 1,636  | 1,534  | 1,456  | 1,156  | 4,057                      | 4,144            | 3,426            | 4,568            | 2,584            |
| Rochester, N. Y.....  | 7,445                     | 7,199  | 6,864  | 5,838  | 5,665  | 22,825                     | 28,319           | 28,007           | 21,637           | 22,589           |
| Rockford, Ill.....    | 1,596                     | 1,862  | 1,959  | 1,946  | 2,116  | 3,751                      | 4,103            | 6,476            | 5,539            | 6,553            |
| Sacramento, Calif.... | 3,349                     | 3,184  | 2,991  | 2,486  | 2,267  | 9,677                      | 7,595            | 11,324           | 7,099            | 8,814            |
| Saginaw, Mich.....    | 2,087                     | 2,171  | 1,844  | 1,663  | 1,426  | 1,846                      | 2,844            | 2,935            | 3,085            | 3,611            |
| St. Joseph, Mo.....   | 1,017                     | 839    | 765    | 688    | 659    | 1,821                      | 1,351            | 2,264            | 1,342            | 769              |
| St. Louis, Mo.....    | 15,553                    | 15,900 | 15,391 | 13,654 | 13,035 | 41,352                     | 39,766           | 55,057           | 42,739           | 41,417           |
| St. Paul, Minn.....   | 6,218                     | 6,078  | 6,234  | 5,414  | 4,772  | 29,915                     | 20,771           | 2,167            | 15,591           | 10,071           |
| Salem, Mass.....      | 920                       | 1,000  | 811    | 757    | 774    | 1,239                      | 3,098            | 2,167            | 2,110            | 2,727            |
| Salt Lake City, Utah  | 1,529                     | 1,534  | 1,603  | 1,162  | 1,000  | 6,396                      | 5,358            | 5,845            | 5,627            | 4,856            |
| San Antonio, Tex....  | 3,676                     | 3,904  | 3,803  | 3,239  | 3,461  | 8,022                      | 9,207            | 9,432            | 12,072           | 12,190           |
| San Diego, Calif..... | 4,749                     | 7,004  | 7,746  | 7,930  | 6,652  | 11,999                     | 15,009           | 18,061           | 19,831           | 13,877           |
| San Francisco, Calif. | 8,777                     | 7,572  | 8,087  | 7,385  | 6,932  | 46,848                     | 57,603           | 50,093           | 57,154           | 46,449           |
| Savannah, Ga.....     | 553                       | 768    | 622    | 682    | 611    | 1,460                      | 2,257            | 1,654            | 2,931            | 2,180            |
| Schenectady, N. Y.... | 1,682                     | 2,034  | 1,583  | 1,082  | 1,192  | 5,973                      | 8,131            | 7,160            | 4,010            | 4,318            |
| Scranton, Pa.....     | 1,465                     | 1,396  | 1,363  | 776    | 1,141  | 3,843                      | 5,320            | 5,965            | 3,141            | 5,707            |
| Seattle, Wash.....    | 10,338                    | 10,471 | 11,803 | 10,924 | 9,906  | 22,951                     | 27,212           | 30,627           | 34,218           | 29,070           |
| Shreveport, La.....   | 3,358                     | 3,383  | 2,951  | 2,969  | 2,426  | 9,451                      | 8,064            | 5,435            | 5,357            | 3,946            |
| Sioux City, Iowa..... | 1,228                     | 1,471  | 1,436  | 964    | 741    | 3,328                      | 4,669            | 3,611            | 4,266            | 1,868            |
| Somerville, Mass..... | 909                       | 1,040  | 1,067  | 1,044  | 822    | 3,185                      | 3,306            | 5,653            | 5,066            | 3,356            |
| South Bend, Ind.....  | 5,284                     | 3,611  | 2,983  | 4,274  | 2,406  | 13,322                     | 5,360            | 8,445            | 9,753            | 4,889            |
| Spokane, Wash.....    | 2,506                     | 2,437  | 2,749  | 2,418  | 2,142  | 2,487                      | 3,288            | 4,367            | 4,191            | 3,657            |
| Springfield, Ill..... | 1,410                     | 2,107  | 1,726  | 1,357  | 1,134  | 3,750                      | 6,198            | 5,527            | 5,251            | 3,770            |
| Springfield, Mass.... | 2,639                     | 3,116  | 2,765  | 2,275  | 1,954  | 10,973                     | 13,100           | 15,002           | 8,734            | 8,906            |
| Springfield, Ohio.... | 1,324                     | 1,196  | 1,215  | 1,174  | 945    | 1,737                      | 1,924            | 1,543            | 1,447            | 1,694            |
| Stockton, Calif.....  | 1,734                     | 1,454  | 1,519  | 1,191  | 1,166  | 3,875                      | 4,112            | 3,814            | 2,731            | 2,943            |
| Superior, Wis.....    | 885                       | 797    | 891    | 651    | 490    | 848                        | 1,371            | 3,223            | 2,136            | 1,277            |
| Syracuse, N. Y.....   | 3,746                     | 3,615  | 3,546  | 3,394  | 3,961  | 10,228                     | 9,467            | 11,920           | 14,274           | 21,040           |
| Tacoma, Wash.....     | 4,372                     | 4,064  | 3,759  | 4,555  | 2,453  | 5,500                      | 8,368            | 7,074            | 11,088           | 4,765            |
| Tampa, Fla.....       | 2,428                     | 4,039  | 7,020  | 8,350  | 4,755  | 3,681                      | 6,573            | 22,759           | 15,480           | 6,145            |
| Terre Haute, Ind..... | 1,936                     | 2,380  | 1,897  | 1,755  | 1,586  | 2,226                      | 2,712            | 1,536            | 2,064            | 1,213            |
| Toledo, Ohio.....     | 7,486                     | 7,047  | 6,349  | 6,034  | 6,192  | 15,839                     | 15,812           | 15,503           | 13,046           | 15,514           |
| Topeka, Kans.....     | 1,550                     | 1,554  | 1,484  | 1,393  | 1,231  | 4,806                      | 2,598            | 3,176            | 3,579            | 2,222            |
| Trenton, N. J.....    | 2,313                     | 2,296  | 2,377  | 1,476  | 1,353  | 7,034                      | 5,751            | 7,923            | 4,931            | 4,540            |
| Troy, N. Y.....       | 615                       | 1,000  | 896    | 808    | 935    | 2,284                      | 4,236            | 3,002            | 2,602            | 3,206            |
| Tulsa, Okla.....      | 1,962                     | 2,117  | 2,746  | 2,358  | 3,466  | 7,478                      | 7,984            | 10,016           | 7,230            | 14,792           |
| Union City, N. J..... | 411                       | 402    | 652    | 862    | 1,075  | 1,357                      | 1,373            | 1,768            | 1,933            | 3,410            |
| Utica, N. Y.....      | 2,603                     | 1,102  | 1,024  | 876    | 672    | 6,753                      | 7,775            | 5,157            | 5,532            | 3,381            |
| Washington, D. C....  | 8,286                     | 8,927  | 10,805 | 9,324  | 6,954  | 50,754                     | 48,090           | 65,490           | 64,970           | 39,583           |
| Waterbury, Conn.....  | 1,638                     | 1,295  | 1,109  | 1,231  | 1,287  | 2,772                      | 3,984            | 5,068            | 5,252            | 5,016            |
| Wheeling, W. Va.....  | 1,378                     | 1,468  | 1,166  | 977    | 1,081  | 3,975                      | 5,147            | 4,263            | 1,821            | 3,004            |
| Wichita, Kans.....    | 3,361                     | 2,907  | 2,341  | 2,278  | 2,522  | 6,512                      | 4,263            | 5,042            | 5,184            | 5,819            |
| Wilkes-Barre, Pa....  | 1,144                     | 1,706  | 1,560  | 1,405  | 1,376  | 2,759                      | 4,522            | 3,901            | 3,941            | 4,934            |
| Wilmington, Del....   | 2,085                     | 1,782  | 1,630  | 2,118  | 1,924  | 3,745                      | 3,776            | 3,987            | 4,871            | 6,806            |
| Worcester, Mass.....  | 3,096                     | 3,403  | 3,133  | 2,820  | 2,381  | 11,149                     | 14,768           | 18,069           | 12,985           | 8,815            |
| Yonkers, N. Y.....    | 1,041                     | 1,385  | 1,762  | 1,855  | 2,005  | 10,544                     | 13,289           | 19,899           | 25,644           | 32,586           |
| York, Pa.....         | 1,325                     | 1,659  | 1,078  | 870    | 718    | 1,963                      | 2,941            | 3,263            | 1,242            | 1,589            |
| Youngstown, Ohio....  | 2,404                     | 3,054  | 2,813  | 2,465  | 2,291  | 5,791                      | 11,942           | 11,953           | 9,614            | 9,007            |

\* Formerly West Hoboken.

Source: Bureau of Labor Statistics, Department of Labor.

## No. 788.—BUILDING PERMITS ISSUED, BY CLASSES

[Note.—See headnote, Table 787. Figures for 1926 and 1927 represent 292 identical cities, while those for 1925 are for 272 cities only]

| Class of building                           | Number of buildings |          |          | Proposed cost (thousands of dollars) |             |             |
|---|---------------------|----------|----------|--------------------------------------|-------------|-------------|
|   | 1925                | 1926     | 1927     | 1925                                 | 1926        | 1927        |
| All buildings                               | 568, 627            | 508, 861 | 436, 677 | 1, 810, 907                          | 1, 623, 967 | 1, 313, 306 |
| Residential buildings                       | 396, 665            | 351, 494 | 306, 772 | 1, 464, 380                          | 1, 291, 577 | 1, 045, 611 |
| 1-family dwellings                          | 234, 899            | 200, 373 | 162, 499 | 1, 073, 124                          | 938, 578    | 778, 308    |
| 2-family dwellings                          | 38, 756             | 29, 860  | 25, 086  | 324, 480                             | 250, 795    | 207, 262    |
| 1-family and 2-family dwellings with stores | 5, 784              | 4, 169   | 3, 320   | 58, 855                              | 44, 105     | 34, 688     |
| Multi-family dwellings                      | 15, 109             | 14, 993  | 13, 612  | 709, 421                             | 793, 497    | 734, 225    |
| Multi-family dwellings with stores          | 1, 771              | 1, 502   | 1, 769   | 76, 564                              | 81, 162     | 89, 901     |
| Hotels                                      | 342                 | 306      | 201      | 171, 798                             | 145, 278    | 69, 393     |
| Lodging houses                              | 120                 | 60       | 77       | 1, 138                               | 808         | 1, 294      |
| Other                                       | 204                 | 233      | 208      | 49, 000                              | 28, 354     | 20, 339     |
| Nonresidential buildings                    | 265, 649            | 256, 365 | 229, 905 | 1, 345, 527                          | 1, 331, 410 | 1, 267, 695 |
| Amusement buildings                         | 1, 047              | 963      | 941      | 116, 284                             | 135, 480    | 127, 990    |
| Churches                                    | 1, 342              | 1, 188   | 1, 108   | 63, 363                              | 68, 098     | 58, 639     |
| Factories and workshops                     | 4, 986              | 4, 855   | 4, 189   | 173, 288                             | 179, 864    | 139, 223    |
| Public garages                              | 4, 960              | 4, 456   | 4, 166   | 83, 112                              | 75, 510     | 74, 124     |
| Private garages                             | 209, 086            | 197, 106 | 180, 174 | 88, 221                              | 75, 100     | 64, 944     |
| Service stations                            | 1, 095              | 4, 250   | 4, 861   | 12, 982                              | 15, 305     | 14, 856     |
| Institutions                                | 254                 | 290      | 329      | 53, 429                              | 49, 630     | 74, 874     |
| Office buildings                            | 1, 876              | 1, 711   | 1, 266   | 263, 895                             | 262, 563    | 242, 078    |
| Public buildings                            | 300                 | 277      | 334      | 23, 570                              | 31, 661     | 46, 150     |
| Public works and utilities                  | 615                 | 779      | 583      | 43, 890                              | 43, 820     | 44, 614     |
| Schools and libraries                       | 1, 088              | 886      | 620      | 163, 028                             | 152, 729    | 153, 977    |
| Sheds                                       | 17, 243             | 16, 523  | 13, 543  | 7, 475                               | 7, 356      | 5, 048      |
| Stables and barns                           | 565                 | 507      | 339      | 1, 301                               | 845         | 805         |
| Stores and warehouses                       | 15, 732             | 15, 702  | 13, 096  | 263, 091                             | 216, 381    | 213, 022    |
| All other                                   | 2, 603              | 5, 872   | 4, 206   | 8, 897                               | 15, 447     | 7, 142      |

Source: Bureau of Labor Statistics, Department of Labor

## No. 789.—BUILDING MATERIAL PRICES AND CONSTRUCTION COSTS

| Year or month | (1)<br>All com-<br>modity<br>index | (1) Wholesale price indexes of—        |             |   |   |                          |   | (2)<br>Con-<br>struction<br>costs <sup>1</sup> | (3)<br>Factory<br>build-<br>ing<br>costs <sup>2</sup> | (4)<br>Frame<br>house<br>mate-<br>rials,<br>retail<br>prices <sup>3</sup> | (4)<br>Brick<br>house<br>mate-<br>rials,<br>retail<br>prices <sup>3</sup> |
|---------------|------------------------------------|--|-------------|---|---|--------------------------|---|--|---|---|---|
|               |                                    | All<br>build-<br>ing<br>mate-<br>rials | Lum-<br>ber | Brick,<br>com-<br>mon<br>(aver-<br>age 82<br>yards) | Cement<br>f. o. b.<br>plant<br>near<br>Chi-<br>cago | Struc-<br>tural<br>steel | All<br>other<br>build-<br>ing<br>mate-<br>rials |  |   |   |   |
| 1913          | 100.0                              | 100.0                                  | 100.0       | 100.0   | 100.0   | 100.0                    | 100.0   | 100.0  |   | 100.0   | 100.0   |
| 1914          | 98.1                               | 92.0                                   | 91.6        | 98.7  | 91.2  | 77.8                     | 95.1  | 88.6   | 100.0   |   |   |
| 1915          | 100.8                              | 94.0                                   | 89.4        | 99.2  | 96.0  | 84.7                     | 101.9   | 92.6   |   |   |   |
| 1916          | 126.8                              | 120.3                                  | 102.0       | 107.7   | 117.5   | 167.2                    | 137.1   | 147.4  |   |   |   |
| 1917          | 177.2                              | 157.0                                  | 134.6       | 131.8   | 151.5   | 247.5                    | 171.5   | 181.2  |   |   |   |
| 1918          | 194.3                              | 172.0                                  | 155.4       | 175.8   | 164.7   | 198.6                    | 189.3   | 189.2  |   |   |   |
| 1919          | 206.4                              | 201.4                                  | 210.4       | 206.3   | 164.5   | 166.9                    | 195.4   | 196.4  |   |   |   |
| 1920          | 226.2                              | 204.1                                  | 207.5       | 278.9   | 178.3   | 187.3                    | 218.3   | 251.3  |   |   |   |
| 1921          | 146.9                              | 165.4                                  | 163.5       | 232.0   | 164.4   | 135.3                    | 169.0   | 201.8  | 179.0   |   |   |
| 1922          | 148.8                              | 168.4                                  | 183.4       | 201.7   | 159.3   | 114.6                    | 155.9   | 174.5  | 170.0   | 181.6   | 185.6   |
| 1923          | 153.7                              | 189.1                                  | 206.5       | 213.5   | 170.4   | 160.4                    | 168.8   | 214.1  | 202.0   | 206.6   | 208.2   |
| 1924          | 149.7                              | 176.1                                  | 182.9       | 212.8   | 172.3   | 148.0                    | 166.9   | 215.4  | 198.0   | 201.3   | 203.4   |
| 1925          | 158.7                              | 175.1                                  | 185.4       | 206.2   | 170.9   | 132.5                    | 167.0   | 206.7  | 195.0   | 195.4   | 196.6   |
| 1926          | 151.0                              | 173.4                                  | 185.3       | 204.8   | 163.2   | 129.7                    | 162.9   | 206.0  | 197.0   | 194.6   | 194.8   |
| 1927          | 146.8                              | 162.6                                  | 173.4       | 206.4   | 158.6   | 122.6                    | 151.8   | 206.2  | 192.0   | 187.0   | 188.1   |
| 1926          |                                    |  |             |   |   |                          |   |  |   |   |   |
| March         | 151.5                              | 175.5                                  | 189.4       | 205.7   | 163.2   | 129.1                    | 162.9   | 207.7  | 195.0   | 196.2   | 197.0   |
| June          | 152.3                              | 171.2                                  | 183.4       | 204.3   | 163.2   | 122.5                    | 161.2   | 204.8  | 199.0   | 195.3   | 196.0   |
| September     | 150.5                              | 172.4                                  | 182.3       | 205.0   | 163.2   | 132.4                    | 163.7   | 208.3  | 197.0   | 193.8   | 193.4   |
| December      | 147.2                              | 172.7                                  | 184.6       | 203.9   | 163.2   | 132.4                    | 161.3   | 210.8  | 197.0   | 189.4   | 190.0   |
| 1927          |                                    |  |             |   |   |                          |   |  |   |   |   |
| March         | 145.3                              | 166.8                                  | 179.0       | 207.5   | 158.3   | 125.6                    | 154.5   | 206.8  | 193.0   | 191.0   | 190.0   |
| June          | 143.7                              | 164.3                                  | 176.2       | 206.5   | 158.3   | 122.5                    | 152.4   | 205.6  | 192.0   | 190.0   | 189.3   |
| September     | 149.3                              | 159.3                                  | 168.5       | 205.7   | 158.3   | 120.9                    | 150.0   | 203.6  | 191.0   | 183.9   | 186.6   |
| December      | 149.1                              | 156.0                                  | 164.0       | 204.7   | 158.3   | 119.2                    | 148.2   | 203.9  | 191.0   | 182.1   | 187.2   |

<sup>1</sup> Based upon the cost of steel, cement, lumber, and rates paid common labor. The prices are weighted on the basis of the total production of steel, cement, and lumber, and the total supply of common labor.

<sup>2</sup> Designed to show the relative changes in the cost of constructing a standard concrete factory building.

<sup>3</sup> Prices of materials entering into the construction of a six-room house in 45 cities.

Sources: (1) Bureau of Labor Statistics; (2) Engineering News-Record; (3) Aberthaw Construction Co.; (4) Division of Housing, Department of Commerce.

## TABLE 700.—BUILDING CONTRACTS AWARDED

**Notes.**—Covering small towns and rural districts as well as large cities. Certain public works (roads, etc.) not in the nature of buildings, have no floor space reported. The 36 States include all except Washington, Idaho, Montana, Oregon, Utah, Wyoming, Nevada, California, Arizona, New Mexico, and Texas, and comprise about seven-eighths of the total building contracts in the United States. The totals for the 27 States prior to 1919 cover only industrial and residential buildings.

(Values are in thousands of dollars; floor space in thousands of square feet)

| Class                      | 27 Northern and Eastern States <sup>1</sup> |         |         |           |           |           |           |
|----------------------------|---|---------|---------|-----------|-----------|-----------|-----------|
|                            | 1913  | 1914    | 1915    | 1916      | 1917      | 1918      | 1919      |
| Value of contracts.....    | 557,700                                     | 750,940 | 940,009 | 1,355,564 | 1,615,157 | 1,693,940 | 2,575,801 |
| Industrial buildings.....  |   |         | 106,944 | 182,544   | 248,016   | 482,424   | 512,988   |
| Residential buildings..... |   |         | 417,964 | 453,300   | 354,576   | 304,572   | 849,288   |
| Floor space in buildings:  |   |         |         |           |           |           |           |
| Industrial.....            |   |         | 81,696  | 94,600    | 108,604   | 180,904   | 151,388   |
| Residential.....           |   |         | 236,000 | 213,004   | 150,998   | 104,000   | 341,888   |

| Class                       | 1920      | 1921      | 1922      | 1923      | 1924      | 1925      | 1926      | 1927      |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Number of projects.....     | 87,831    | 78,297    | 107,633   | 103,444   | 109,069   | 132,169   | 133,393   | 143,909   |
| Commercial.....             | 10,782    | 10,129    | 12,636    | 12,713    | 12,172    | 13,925    | 14,728    | 14,088    |
| Industrial.....             | 6,137     | 2,269     | 2,876     | 4,051     | 2,469     | 4,275     | 4,620     | 4,367     |
| Residential.....            | 28,966    | 43,416    | 72,906    | 71,636    | 77,714    | 96,832    | 93,722    | 100,126   |
| Educational.....            | 2,027     | 2,737     | 2,301     | 2,789     | 2,799     | 2,930     | 2,935     | 2,329     |
| Public works.....           | 6,406     | 2,453     | 10,427    | 10,483    | 2,673     | 9,128     | 10,883    | 12,451    |
| All other.....              | 3,003     | 4,223     | 4,416     | 2,904     | 4,286     | 5,002     | 5,448     | 6,436     |
| Floor space, buildings..... | 401,794   | 387,336   | 573,364   | 561,976   | 603,018   | 783,148   | 741,370   | 723,906   |
| Commercial.....             | 82,434    | 65,235    | 65,233    | 62,789    | 64,861    | 124,064   | 121,059   | 118,949   |
| Industrial.....             | 127,830   | 38,771    | 65,550    | 62,305    | 40,967    | 58,719    | 67,764    | 54,086    |
| Residential.....            | 137,524   | 204,575   | 311,407   | 354,367   | 371,269   | 470,307   | 450,349   | 434,836   |
| Educational.....            | 26,278    | 40,593    | 54,392    | 44,332    | 48,875    | 51,304    | 44,478    | 45,197    |
| All other.....              | 27,727    | 41,056    | 47,076    | 39,306    | 45,945    | 57,861    | 57,742    | 68,612    |
| Value of contracts.....     | 3,583,394 | 3,360,169 | 3,358,657 | 3,494,118 | 3,879,638 | 5,043,038 | 5,421,677 | 5,473,162 |
| Commercial.....             | 419,653   | 338,028   | 496,300   | 446,124   | 522,234   | 717,253   | 784,145   | 834,425   |
| Industrial.....             | 588,905   | 173,316   | 325,000   | 378,815   | 295,137   | 413,321   | 592,326   | 376,761   |
| Residential.....            | 566,123   | 877,870   | 1,347,157 | 1,582,751 | 1,842,463 | 2,359,907 | 2,338,838 | 2,326,942 |
| Educational.....            | 172,299   | 242,652   | 302,347   | 272,529   | 317,147   | 389,490   | 321,125   | 323,780   |
| Public works.....           | 566,345   | 459,356   | 562,166   | 557,369   | 577,327   | 704,113   | 861,962   | 1,025,444 |
| All other.....              | 210,839   | 267,967   | 318,687   | 256,531   | 335,228   | 478,945   | 528,981   | 583,609   |

| Class and month   | 36 States                |         |         |         |                    |           |           |           |
|-------------------|--------------------------|---------|---------|---------|--------------------|-----------|-----------|-----------|
|                   | Floor space in buildings |         |         |         | Value of contracts |           |           |           |
|                   | 1924                     | 1925    | 1926    | 1927    | 1924               | 1925      | 1926      | 1927      |
| Total.....        | 699,390                  | 687,350 | 688,430 | 803,846 | 4,485,791          | 5,623,946 | 6,151,664 | 7,106,111 |
| Commercial.....   | 113,040                  | 151,062 | 142,357 | 133,142 | 596,343            | 835,673   | 880,102   | 997,170   |
| Industrial.....   | 50,023                   | 67,478  | 78,790  | 66,094  | 355,390            | 462,741   | 677,106   | 476,616   |
| Residential.....  | 422,286                  | 540,509 | 498,927 | 474,279 | 2,050,093          | 2,671,970 | 2,579,327 | 2,489,583 |
| Educational.....  | 58,241                   | 68,700  | 52,207  | 53,062  | 367,439            | 413,204   | 367,059   | 369,808   |
| Public works..... |                          |         |         |         | 723,911            | 895,742   | 1,066,239 | 1,213,253 |
| All other.....    | 45,723                   | 60,801  | 66,148  | 74,070  | 392,736            | 552,920   | 640,161   | 639,521   |
| January.....      | 55,857                   | 67,632  | 62,341  | 50,111  | 301,952            | 296,423   | 443,873   | 348,930   |
| February.....     | 54,410                   | 46,179  | 52,244  | 51,788  | 299,929            | 299,360   | 391,723   | 381,296   |
| March.....        | 77,863                   | 73,200  | 81,421  | 81,983  | 433,340            | 480,916   | 602,800   | 596,874   |
| April.....        | 72,655                   | 81,843  | 82,808  | 79,274  | 480,067            | 546,971   | 552,253   | 583,796   |
| May.....          | 69,832                   | 78,290  | 79,819  | 69,882  | 419,273            | 496,024   | 620,706   | 530,762   |
| June.....         | 56,640                   | 76,273  | 73,352  | 73,812  | 387,521            | 540,610   | 623,011   | 612,111   |
| July.....         | 49,673                   | 81,772  | 65,668  | 64,444  | 347,144            | 629,000   | 501,340   | 513,926   |
| August.....       | 49,604                   | 83,146  | 71,560  | 60,166  | 354,443            | 589,660   | 579,046   | 534,639   |
| September.....    | 51,293                   | 81,708  | 71,635  | 64,146  | 344,316            | 548,217   | 544,828   | 396,830   |
| October.....      | 54,616                   | 81,051  | 68,740  | 73,468  | 410,091            | 519,523   | 499,366   | 549,152   |
| November.....     | 54,924                   | 76,715  | 67,603  | 66,325  | 379,660            | 464,683   | 473,700   | 443,307   |
| December.....     | 53,321                   | 74,671  | 61,229  | 60,197  | 327,966            | 510,808   | 620,168   | 444,167   |

<sup>1</sup> Prior to May, 1921, 25 States.

Source. F. W. Dodge Corporation.

# No. 791.—PATENTS AND CERTIFICATES OF REGISTRATION ISSUED SINCE INITIATION OF THE PATENT SYSTEM

[NOTE.—The number of patents granted prior to July 28, 1836, was 9,957]

| Calendar year or period | Patent applications <sup>1</sup> | Caveats filed <sup>2</sup> | Patents issued |         |         |          | Certificates of registration issued |             |                   |
|-------------------------|----------------------------------|----------------------------|----------------|---------|---------|----------|-------------------------------------|-------------|-------------------|
|                         |                                  |                            | Total          | Patents | Designs | Reissues | Total                               | Trade-marks | Labels and prints |
| 1836-1850 <sup>3</sup>  | 14,062                           | 4,763                      | 8,387          | 7,864   | 340     | 183      |                                     |             |                   |
| 1851-1860               | 44,302                           | 9,571                      | 25,087         | 23,140  | 1,025   | 922      |                                     |             |                   |
| 1861-1870               | 126,763                          | 22,228                     | 85,910         | 79,612  | 3,181   | 3,117    | 121                                 | 121         |                   |
| 1871-1880               | 206,436                          | 29,350                     | 138,355        | 125,520 | 7,535   | 5,300    | 10,394                              | 8,016       | 2,378             |
| 1881-1890               | 352,475                          | 25,012                     | 217,821        | 207,850 | 8,357   | 1,614    | 14,660                              | 10,636      | 4,024             |
| 1891-1900               | 410,049                          | 21,199                     | 234,956        | 220,840 | 13,374  | 742      | 18,794                              | 16,903      | 1,891             |
| 1901-1905               | 253,417                          | 9,168                      | 148,291        | 143,791 | 3,953   | 547      | 18,590                              | 12,768      | 5,822             |
| 1906-1910               | 307,187                          | 8,880                      | 175,618        | 171,560 | 3,297   | 761      | 36,375                              | 32,060      | 4,315             |
| 1911-1915               | 350,937                          |                            | 194,387        | 186,241 | 7,295   | 851      | 32,381                              | 27,369      | 5,012             |
| 1916-1920               | 368,236                          |                            | 207,108        | 197,644 | 8,486   | 978      | 35,364                              | 30,681      | 4,683             |
| 1921-1925               | 426,597                          |                            | 217,525        | 203,977 | 12,326  | 1,222    | 79,288                              | 68,881      | 10,407            |
| 1901                    | 46,449                           | 1,842                      | 27,373         | 25,558  | 1,734   | 81       | 2,965                               | 1,928       | 1,037             |
| 1902                    | 49,641                           | 1,851                      | 27,886         | 27,136  | 640     | 110      | 2,931                               | 2,006       | 925               |
| 1903                    | 50,213                           | 1,771                      | 31,699         | 31,046  | 536     | 117      | 3,446                               | 2,186       | 1,260             |
| 1904                    | 52,143                           | 1,808                      | 30,934         | 30,267  | 557     | 110      | 3,569                               | 2,158       | 1,411             |
| 1905                    | 54,971                           | 1,896                      | 30,399         | 29,784  | 486     | 129      | 5,679                               | 4,490       | 1,189             |
| 1906                    | 56,482                           | 1,885                      | 31,965         | 31,181  | 625     | 159      | 11,933                              | 10,568      | 1,365             |
| 1907                    | 58,762                           | 1,967                      | 36,620         | 35,880  | 589     | 151      | 8,860                               | 7,878       | 982               |
| 1908                    | 61,475                           | 2,110                      | 33,682         | 32,757  | 757     | 168      | 6,029                               | 5,191       | 838               |
| 1909                    | 65,839                           | 1,948                      | 37,421         | 36,574  | 687     | 160      | 4,824                               | 4,184       | 640               |
| 1910                    | 64,629                           | 970                        | 35,930         | 35,168  | 639     | 123      | 4,729                               | 4,239       | 490               |
| 1911                    | 69,121                           |                            | 34,084         | 32,917  | 1,010   | 157      | 5,112                               | 4,205       | 907               |
| 1912                    | 70,976                           |                            | 37,731         | 36,231  | 1,342   | 158      | 5,896                               | 5,020       | 876               |
| 1913                    | 70,367                           |                            | 35,788         | 33,941  | 1,683   | 164      | 6,063                               | 5,065       | 998               |
| 1914                    | 70,404                           |                            | 41,850         | 39,945  | 1,715   | 190      | 7,874                               | 6,817       | 1,067             |
| 1915                    | 70,069                           |                            | 44,934         | 43,207  | 1,545   | 182      | 7,436                               | 6,262       | 1,174             |
| 1916                    | 71,033                           |                            | 45,927         | 43,970  | 1,759   | 198      | 8,087                               | 6,791       | 1,296             |
| 1917                    | 70,373                           |                            | 42,760         | 41,069  | 1,512   | 179      | 6,197                               | 5,339       | 858               |
| 1918                    | 59,615                           |                            | 39,941         | 38,569  | 1,207   | 165      | 4,912                               | 4,061       | 851               |
| 1919                    | 80,400                           |                            | 38,598         | 36,872  | 1,523   | 203      | 4,874                               | 4,208       | 666               |
| 1920                    | 86,815                           |                            | 39,882         | 37,164  | 2,485   | 233      | 11,294                              | 10,282      | 1,012             |
| 1921                    | 93,328                           |                            | 41,401         | 37,885  | 3,277   | 239      | 13,605                              | 11,654      | 1,951             |
| 1922                    | 88,930                           |                            | 40,297         | 38,414  | 1,627   | 256      | 14,992                              | 12,793      | 2,199             |
| 1923                    | 79,058                           |                            | 40,787         | 38,634  | 1,927   | 226      | 16,725                              | 14,845      | 1,880             |
| 1924                    | 80,756                           |                            | 45,500         | 42,594  | 2,671   | 235      | 17,562                              | 15,749      | 1,813             |
| 1925                    | 84,525                           |                            | 49,540         | 46,450  | 2,824   | 266      | 16,404                              | 13,840      | 2,564             |
| 1926                    | 86,028                           |                            | 47,627         | 44,750  | 2,602   | 275      | 21,819                              | 19,246      | 2,573             |
| 1927                    | 92,018                           |                            | 44,444         | 41,731  | 2,387   | 326      | 20,548                              | 17,649      | 2,899             |

<sup>1</sup> Including patents, designs, and reissues.

<sup>2</sup> Caveat law repealed June 25, 1910.

<sup>3</sup> July 28, 1836, to Dec. 31, 1850.

<sup>4</sup> Registration of labels suspended from May 27, 1891, to June 9, 1896.

<sup>5</sup> Figures include 4,282 renewals in 1926 and 3,063 in 1927.

Source: Reports of the Commissioner of Patents.



# SUPPLEMENT TO PRICE AND POWER SECTIONS

## NO. 792.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: REVISED INDEX NUMBERS, BY MONTHS, 1913 TO 1924

[NOTE.—For explanation of indexes see general note, p. 317. For yearly averages, 1913 to 1927, and monthly data, January, 1925, to June, 1928, see Table 336, p. 320]

[1926=100]

| Year and month | All commodities | Farm products | Foods | Hides and leather products | Textile products | Fuel and lighting | Metals and metal products | Building materials | Chemicals and drugs | House-furnishing goods | Miscellaneous |
|----------------|-----------------|---------------|-------|----------------------------|------------------|-------------------|---------------------------|--------------------|---------------------|------------------------|---------------|
| <b>1913</b>    |                 |               |       |                            |                  |                   |                           |                    |                     |                        |               |
| January.....   | 70.3            | 69.6          | 63.5  | 68.1                       | 57.6             | 65.4              | 97.1                      | 57.2               | 80.4                | 55.9                   | 98.0          |
| February.....  | 69.8            | 69.4          | 62.9  | 68.1                       | 57.8             | 62.5              | 95.7                      | 57.6               | 80.5                | 55.9                   | 97.0          |
| March.....     | 69.9            | 69.7          | 63.1  | 67.8                       | 57.9             | 60.9              | 94.9                      | 58.0               | 80.3                | 55.9                   | 95.7          |
| April.....     | 69.7            | 69.5          | 63.0  | 67.9                       | 57.7             | 60.0              | 94.7                      | 58.2               | 80.5                | 55.9                   | 92.5          |
| May.....       | 68.9            | 69.1          | 62.2  | 67.0                       | 57.2             | 59.2              | 94.2                      | 58.0               | 80.3                | 55.9                   | 91.4          |
| June.....      | 69.0            | 69.8          | 62.9  | 67.0                       | 57.0             | 59.0              | 92.7                      | 57.5               | 80.1                | 55.9                   | 92.2          |
| July.....      | 69.5            | 71.6          | 64.8  | 66.7                       | 57.0             | 59.6              | 91.2                      | 56.3               | 80.0                | 55.9                   | 91.3          |
| August.....    | 69.7            | 72.3          | 65.5  | 67.5                       | 56.8             | 61.0              | 87.1                      | 56.2               | 79.7                | 55.9                   | 92.8          |
| September..... | 70.6            | 74.5          | 66.1  | 68.1                       | 57.2             | 61.8              | 87.5                      | 56.3               | 80.2                | 55.9                   | 94.3          |
| October.....   | 70.4            | 74.6          | 65.7  | 69.1                       | 57.4             | 62.1              | 87.2                      | 55.6               | 80.2                | 56.7                   | 92.7          |
| November.....  | 70.1            | 75.0          | 66.4  | 69.6                       | 57.2             | 62.8              | 85.4                      | 55.1               | 80.0                | 56.7                   | 89.6          |
| December.....  | 69.1            | 73.4          | 65.4  | 69.8                       | 56.6             | 60.8              | 82.3                      | 54.7               | 79.6                | 56.7                   | 89.8          |
| <b>1914</b>    |                 |               |       |                            |                  |                   |                           |                    |                     |                        |               |
| January.....   | 68.6            | 73.0          | 64.2  | 69.3                       | 55.9             | 61.2              | 82.1                      | 53.3               | 79.4                | 56.6                   | 88.7          |
| February.....  | 68.3            | 72.5          | 63.1  | 69.5                       | 55.8             | 60.3              | 82.5                      | 53.7               | 78.8                | 56.6                   | 89.5          |
| March.....     | 68.0            | 72.1          | 62.0  | 69.8                       | 55.7             | 60.4              | 82.2                      | 53.9               | 78.7                | 56.6                   | 89.6          |
| April.....     | 67.6            | 71.5          | 60.7  | 70.2                       | 55.8             | 59.9              | 81.7                      | 53.5               | 78.4                | 56.6                   | 89.9          |
| May.....       | 67.4            | 71.4          | 61.0  | 70.3                       | 55.8             | 57.9              | 80.2                      | 53.1               | 78.3                | 56.6                   | 90.5          |
| June.....      | 67.4            | 71.6          | 62.2  | 71.1                       | 55.7             | 56.7              | 79.7                      | 53.0               | 78.0                | 56.6                   | 87.9          |
| July.....      | 67.3            | 71.4          | 62.9  | 69.7                       | 55.3             | 55.7              | 79.1                      | 52.9               | 77.9                | 56.7                   | 88.1          |
| August.....    | 69.6            | 72.5          | 68.8  | 70.7                       | 55.3             | 55.1              | 79.7                      | 53.4               | 78.5                | 56.7                   | 88.7          |
| September..... | 70.2            | 71.2          | 70.2  | 71.5                       | 54.6             | 54.7              | 80.4                      | 53.0               | 87.2                | 56.7                   | 92.9          |
| October.....   | 68.0            | 68.3          | 68.1  | 72.0                       | 53.1             | 52.9              | 78.7                      | 51.6               | 87.3                | 56.4                   | 89.4          |
| November.....  | 67.5            | 69.8          | 67.5  | 72.7                       | 51.5             | 51.8              | 77.6                      | 50.8               | 87.1                | 56.4                   | 90.0          |
| December.....  | 67.3            | 69.0          | 66.7  | 74.3                       | 50.9             | 52.1              | 78.3                      | 50.5               | 86.6                | 56.1                   | 93.7          |
| <b>1915</b>    |                 |               |       |                            |                  |                   |                           |                    |                     |                        |               |
| January.....   | 68.1            | 71.6          | 66.6  | 75.1                       | 50.5             | 52.0              | 78.1                      | 50.6               | 87.7                | 55.0                   | 95.5          |
| February.....  | 68.6            | 72.8          | 66.7  | 75.5                       | 51.0             | 51.2              | 80.3                      | 51.3               | 92.7                | 55.3                   | 87.2          |
| March.....     | 68.2            | 71.3          | 65.6  | 75.6                       | 52.0             | 49.2              | 81.8                      | 51.3               | 93.6                | 55.4                   | 86.6          |
| April.....     | 68.7            | 72.0          | 65.4  | 73.4                       | 53.0             | 48.5              | 82.9                      | 51.7               | 102.7               | 55.7                   | 86.6          |
| May.....       | 69.0            | 72.3          | 65.1  | 73.6                       | 53.2             | 48.4              | 86.6                      | 52.7               | 97.9                | 56.0                   | 84.8          |
| June.....      | 68.3            | 70.3          | 64.0  | 74.3                       | 53.2             | 48.2              | 88.9                      | 53.0               | 101.7               | 56.0                   | 85.1          |
| July.....      | 69.3            | 71.7          | 64.7  | 74.7                       | 53.4             | 47.9              | 91.0                      | 53.3               | 112.9               | 56.2                   | 86.0          |
| August.....    | 68.6            | 71.0          | 63.5  | 76.0                       | 53.9             | 49.4              | 86.1                      | 53.1               | 116.8               | 56.1                   | 85.7          |
| September..... | 68.3            | 69.2          | 62.7  | 75.7                       | 54.7             | 52.1              | 86.7                      | 53.3               | 122.7               | 56.2                   | 84.6          |
| October.....   | 70.2            | 71.8          | 65.2  | 76.5                       | 56.5             | 54.4              | 87.4                      | 55.5               | 127.3               | 56.4                   | 85.2          |
| November.....  | 71.7            | 71.5          | 67.5  | 77.4                       | 58.3             | 57.4              | 89.8                      | 57.2               | 139.2               | 56.5                   | 85.8          |
| December.....  | 74.0            | 73.1          | 68.5  | 78.0                       | 60.0             | 62.2              | 95.5                      | 58.9               | 149.0               | 56.7                   | 89.6          |
| <b>1916</b>    |                 |               |       |                            |                  |                   |                           |                    |                     |                        |               |
| January.....   | 77.0            | 76.9          | 67.9  | 78.5                       | 62.6             | 67.3              | 102.2                     | 61.7               | 165.6               | 58.3                   | 95.0          |
| February.....  | 78.5            | 77.0          | 68.3  | 80.5                       | 65.0             | 67.8              | 107.0                     | 63.7               | 176.0               | 59.0                   | 92.8          |
| March.....     | 80.4            | 76.9          | 70.0  | 83.1                       | 66.4             | 68.6              | 113.4                     | 66.3               | 175.8               | 59.1                   | 96.0          |
| April.....     | 81.7            | 77.9          | 71.1  | 83.9                       | 66.5             | 68.8              | 117.9                     | 67.4               | 174.9               | 59.3                   | 96.4          |
| May.....       | 82.5            | 78.5          | 71.7  | 88.8                       | 66.9             | 67.8              | 119.9                     | 67.6               | 172.7               | 60.4                   | 96.7          |
| June.....      | 82.9            | 78.2          | 73.0  | 91.8                       | 67.1             | 68.8              | 118.0                     | 67.4               | 166.8               | 60.7                   | 99.9          |
| July.....      | 83.4            | 80.4          | 74.5  | 91.7                       | 69.4             | 68.8              | 115.2                     | 67.3               | 156.3               | 61.9                   | 99.6          |
| August.....    | 85.1            | 86.1          | 76.8  | 92.1                       | 71.7             | 68.1              | 113.8                     | 67.5               | 146.1               | 62.1                   | 100.7         |
| September..... | 86.9            | 89.5          | 79.0  | 93.2                       | 72.4             | 68.8              | 115.5                     | 68.1               | 143.3               | 62.2                   | 102.3         |
| October.....   | 91.1            | 93.9          | 83.6  | 99.3                       | 75.9             | 77.2              | 117.6                     | 69.7               | 147.9               | 63.4                   | 106.2         |
| November.....  | 97.4            | 100.3         | 87.4  | 113.0                      | 78.8             | 99.3              | 121.6                     | 70.9               | 150.0               | 64.9                   | 108.9         |
| December.....  | 99.2            | 99.0          | 85.3  | 124.5                      | 82.5             | 100.6             | 135.2                     | 73.9               | 152.2               | 65.0                   | 112.8         |
| <b>1917</b>    |                 |               |       |                            |                  |                   |                           |                    |                     |                        |               |
| January.....   | 102.1           | 103.9         | 86.5  | 129.2                      | 84.1             | 107.8             | 134.3                     | 76.8               | 151.5               | 68.2                   | 118.1         |
| February.....  | 104.5           | 107.7         | 89.2  | 128.9                      | 84.1             | 112.4             | 138.2                     | 78.4               | 150.6               | 68.3                   | 118.8         |
| March.....     | 107.7           | 113.3         | 92.1  | 127.8                      | 84.7             | 108.3             | 144.5                     | 80.4               | 154.7               | 69.3                   | 121.2         |
| April.....     | 114.1           | 125.1         | 102.1 | 127.9                      | 88.1             | 99.9              | 150.9                     | 87.0               | 156.5               | 70.0                   | 124.7         |
| May.....       | 120.7           | 133.4         | 108.6 | 126.6                      | 91.5             | 113.4             | 155.1                     | 89.9               | 160.4               | 71.0                   | 124.6         |
| June.....      | 122.0           | 134.0         | 106.6 | 123.1                      | 96.5             | 114.5             | 166.6                     | 94.8               | 160.8               | 72.6                   | 125.5         |
| July.....      | 123.0           | 134.9         | 105.3 | 122.7                      | 102.7            | 107.2             | 178.4                     | 94.4               | 164.4               | 77.2                   | 124.1         |
| August.....    | 124.8           | 137.1         | 109.4 | 120.5                      | 106.5            | 106.8             | 174.1                     | 94.1               | 168.3               | 77.2                   | 124.4         |
| September..... | 123.5           | 135.9         | 111.0 | 118.1                      | 106.9            | 97.9              | 165.6                     | 94.6               | 175.5               | 78.4                   | 123.4         |
| October.....   | 122.2           | 139.5         | 114.9 | 118.0                      | 108.9            | 95.5              | 139.4                     | 88.7               | 180.5               | 78.4                   | 120.2         |
| November.....  | 122.8           | 142.7         | 114.9 | 121.1                      | 113.2            | 100.1             | 130.3                     | 88.6               | 176.4               | 79.3                   | 120.7         |
| December.....  | 122.9           | 141.0         | 114.4 | 122.2                      | 117.3            | 101.4             | 130.1                     | 90.1               | 179.6               | 80.8                   | 120.4         |

No. 792.—WHOLESALE PRICES, BY MAJOR COMMODITY GROUPS: REVISED INDEX  
NUMBERS BY MONTHS, 1913 TO 1924—Continued

| Year and month | All<br>com-<br>modi-<br>ties | Farm<br>prod-<br>ucts | Foodst | Hides<br>and<br>leather<br>prod-<br>ucts | Text-<br>ile<br>prod-<br>ucts | Fuel<br>and<br>light-<br>ing | Metals<br>and<br>metal<br>prod-<br>ucts | Build-<br>ing<br>mate-<br>rials | Chem-<br>icals<br>and<br>drugs | House-<br>fur-<br>nish-<br>ing<br>goods | Mis-<br>cel-<br>lane-<br>ous |
|----------------|------------------------------|-----------------------|--------|--|-------------------------------|------------------------------|---|---------------------------------|--------------------------------|---|------------------------------|
| 1918           |                              |                       |        |  |                               |                              |   |                                 |                                |   |                              |
| January        | 125.0                        | 146.7                 | 114.9  | 120.0                                    | 121.7                         | 102.9                        | 131.8                                   | 91.9                            | 187.2                          | 83.8                                    | 124.6                        |
| February       | 122.7                        | 147.2                 | 114.8  | 117.7                                    | 124.3                         | 103.9                        | 132.4                                   | 92.4                            | 189.2                          | 84.4                                    | 123.8                        |
| March          | 126.4                        | 147.5                 | 111.9  | 115.4                                    | 128.8                         | 105.4                        | 131.5                                   | 94.1                            | 190.1                          | 84.8                                    | 126.2                        |
| April          | 128.3                        | 145.0                 | 113.4  | 119.1                                    | 135.9                         | 107.9                        | 131.0                                   | 96.8                            | 190.4                          | 86.2                                    | 131.4                        |
| May            | 128.1                        | 140.2                 | 113.3  | 124.5                                    | 137.9                         | 109.4                        | 132.0                                   | 97.5                            | 186.9                          | 91.8                                    | 133.2                        |
| June           | 129.0                        | 140.2                 | 113.5  | 127.1                                    | 141.7                         | 109.2                        | 133.1                                   | 98.9                            | 182.3                          | 93.7                                    | 135.6                        |
| July           | 132.0                        | 146.6                 | 118.3  | 128.9                                    | 142.0                         | 109.9                        | 135.7                                   | 101.5                           | 178.8                          | 96.6                                    | 135.6                        |
| August         | 134.3                        | 153.9                 | 119.7  | 130.0                                    | 142.8                         | 109.7                        | 140.3                                   | 102.4                           | 180.4                          | 98.0                                    | 137.6                        |
| September      | 137.5                        | 157.0                 | 124.2  | 132.4                                    | 145.1                         | 111.5                        | 142.4                                   | 102.8                           | 179.4                          | 99.3                                    | 140.0                        |
| October        | 136.3                        | 151.4                 | 126.8  | 132.2                                    | 144.5                         | 111.6                        | 143.6                                   | 101.8                           | 179.5                          | 99.4                                    | 141.2                        |
| November       | 136.3                        | 150.8                 | 128.6  | 131.6                                    | 142.6                         | 114.8                        | 143.6                                   | 101.8                           | 178.0                          | 99.2                                    | 141.3                        |
| December       | 136.3                        | 151.1                 | 130.3  | 131.7                                    | 138.7                         | 114.3                        | 141.2                                   | 101.4                           | 167.8                          | 98.9                                    | 143.4                        |
| 1919           |                              |                       |        |  |                               |                              |   |                                 |                                |   |                              |
| January        | 134.4                        | 154.0                 | 128.4  | 135.1                                    | 127.2                         | 108.5                        | 135.5                                   | 101.3                           | 165.0                          | 98.8                                    | 143.7                        |
| February       | 129.3                        | 148.5                 | 121.3  | 136.3                                    | 119.0                         | 103.2                        | 132.3                                   | 100.2                           | 167.6                          | 98.8                                    | 142.0                        |
| March          | 131.4                        | 152.4                 | 126.5  | 137.7                                    | 114.2                         | 101.3                        | 128.8                                   | 99.1                            | 152.6                          | 98.0                                    | 139.9                        |
| April          | 133.0                        | 158.4                 | 128.5  | 141.7                                    | 113.7                         | 100.6                        | 121.9                                   | 97.7                            | 152.0                          | 96.7                                    | 139.2                        |
| May            | 135.3                        | 162.0                 | 131.6  | 152.5                                    | 119.8                         | 99.3                         | 123.5                                   | 100.1                           | 152.4                          | 97.7                                    | 133.4                        |
| June           | 135.6                        | 161.9                 | 127.3  | 172.1                                    | 136.5                         | 99.8                         | 124.5                                   | 108.7                           | 152.9                          | 103.8                                   | 130.6                        |
| July           | 141.1                        | 164.5                 | 130.6  | 192.4                                    | 140.1                         | 100.8                        | 127.5                                   | 118.7                           | 156.6                          | 106.0                                   | 133.4                        |
| August         | 144.3                        | 168.4                 | 132.3  | 200.3                                    | 144.2                         | 103.3                        | 134.7                                   | 128.7                           | 157.4                          | 109.0                                   | 138.0                        |
| September      | 141.1                        | 163.2                 | 128.7  | 207.5                                    | 145.2                         | 105.1                        | 134.1                                   | 130.2                           | 154.2                          | 110.9                                   | 139.3                        |
| October        | 141.6                        | 162.8                 | 128.8  | 203.8                                    | 148.9                         | 107.7                        | 134.7                                   | 130.3                           | 157.4                          | 113.6                                   | 140.4                        |
| November       | 144.5                        | 169.5                 | 130.8  | 201.8                                    | 156.6                         | 106.7                        | 136.0                                   | 131.9                           | 160.0                          | 112.9                                   | 142.5                        |
| December       | 150.5                        | 165.5                 | 138.3  | 199.0                                    | 164.5                         | 115.3                        | 137.0                                   | 140.8                           | 164.4                          | 125.0                                   | 145.9                        |
| 1920           |                              |                       |        |  |                               |                              |   |                                 |                                |   |                              |
| January        | 157.7                        | 170.2                 | 145.1  | 200.9                                    | 187.0                         | 117.8                        | 140.8                                   | 165.0                           | 162.8                          | 133.9                                   | 141.7                        |
| February       | 157.1                        | 163.3                 | 139.2  | 203.4                                    | 193.9                         | 121.8                        | 147.8                                   | 165.2                           | 164.2                          | 137.3                                   | 139.1                        |
| March          | 159.6                        | 164.5                 | 136.1  | 197.4                                    | 192.5                         | 131.1                        | 132.8                                   | 167.6                           | 168.5                          | 138.7                                   | 168.8                        |
| April          | 165.5                        | 168.7                 | 144.6  | 197.0                                    | 194.8                         | 149.1                        | 156.0                                   | 168.3                           | 171.3                          | 139.0                                   | 171.1                        |
| May            | 167.2                        | 169.8                 | 147.3  | 193.2                                    | 189.3                         | 159.8                        | 155.5                                   | 164.4                           | 173.7                          | 143.3                                   | 176.6                        |
| June           | 166.5                        | 167.4                 | 149.0  | 175.7                                    | 180.8                         | 177.4                        | 153.9                                   | 154.8                           | 173.3                          | 143.3                                   | 177.8                        |
| July           | 165.8                        | 160.4                 | 146.6  | 170.3                                    | 169.0                         | 186.5                        | 154.5                                   | 151.5                           | 171.7                          | 140.8                                   | 177.9                        |
| August         | 161.4                        | 149.9                 | 138.4  | 160.7                                    | 160.8                         | 209.9                        | 157.3                                   | 150.0                           | 169.6                          | 149.7                                   | 177.6                        |
| September      | 155.2                        | 143.9                 | 134.8  | 153.7                                    | 144.8                         | 261.1                        | 156.6                                   | 144.8                           | 167.2                          | 148.0                                   | 175.3                        |
| October        | 144.2                        | 127.8                 | 127.7  | 145.8                                    | 132.1                         | 190.1                        | 146.7                                   | 136.7                           | 162.1                          | 145.7                                   | 169.6                        |
| November       | 133.4                        | 118.7                 | 123.9  | 132.4                                    | 121.5                         | 163.9                        | 140.4                                   | 134.1                           | 151.6                          | 139.4                                   | 159.1                        |
| December       | 120.7                        | 104.6                 | 109.7  | 125.6                                    | 113.6                         | 144.2                        | 133.7                                   | 118.3                           | 139.0                          | 133.5                                   | 142.1                        |
| 1921           |                              |                       |        |  |                               |                              |   |                                 |                                |   |                              |
| January        | 114.0                        | 101.6                 | 103.9  | 119.5                                    | 101.7                         | 131.9                        | 130.7                                   | 112.2                           | 130.7                          | 121.6                                   | 134.5                        |
| February       | 104.9                        | 92.7                  | 94.6   | 117.5                                    | 96.4                          | 105.6                        | 128.4                                   | 105.4                           | 124.2                          | 122.8                                   | 121.8                        |
| March          | 102.4                        | 89.9                  | 98.6   | 113.6                                    | 93.0                          | 100.1                        | 125.4                                   | 101.8                           | 119.9                          | 122.4                                   | 121.4                        |
| April          | 96.9                         | 82.8                  | 89.9   | 107.3                                    | 91.0                          | 101.0                        | 124.7                                   | 98.7                            | 115.4                          | 122.3                                   | 116.3                        |
| May            | 96.2                         | 83.1                  | 86.0   | 107.2                                    | 91.4                          | 95.5                         | 124.8                                   | 97.7                            | 114.7                          | 117.5                                   | 108.1                        |
| June           | 93.4                         | 80.6                  | 83.0   | 107.0                                    | 91.6                          | 87.3                         | 122.6                                   | 96.7                            | 113.7                          | 114.1                                   | 105.9                        |
| July           | 93.4                         | 80.5                  | 87.6   | 106.6                                    | 91.2                          | 82.9                         | 118.5                                   | 94.3                            | 111.1                          | 106.7                                   | 103.1                        |
| August         | 93.5                         | 88.9                  | 91.8   | 107.1                                    | 90.1                          | 82.5                         | 110.0                                   | 91.9                            | 110.1                          | 103.5                                   | 100.6                        |
| September      | 93.4                         | 89.7                  | 90.6   | 107.6                                    | 94.9                          | 82.0                         | 107.4                                   | 91.6                            | 111.8                          | 106.1                                   | 100.1                        |
| October        | 94.1                         | 89.7                  | 89.5   | 105.7                                    | 97.4                          | 92.0                         | 107.4                                   | 92.6                            | 111.1                          | 106.8                                   | 100.9                        |
| November       | 94.2                         | 87.6                  | 86.4   | 103.3                                    | 97.4                          | 101.0                        | 106.2                                   | 94.1                            | 109.3                          | 105.6                                   | 96.8                         |
| December       | 92.9                         | 87.9                  | 86.8   | 106.2                                    | 97.5                          | 96.9                         | 106.0                                   | 91.8                            | 107.7                          | 106.8                                   | 95.5                         |
| 1922           |                              |                       |        |  |                               |                              |   |                                 |                                |   |                              |
| January        | 91.4                         | 88.0                  | 83.3   | 104.5                                    | 97.7                          | 94.4                         | 103.1                                   | 91.6                            | 100.8                          | 104.5                                   | 96.3                         |
| February       | 92.9                         | 95.1                  | 83.7   | 104.6                                    | 96.7                          | 94.1                         | 101.6                                   | 91.1                            | 99.9                           | 104.4                                   | 95.6                         |
| March          | 92.8                         | 93.4                  | 84.2   | 103.2                                    | 95.3                          | 93.9                         | 101.1                                   | 90.5                            | 101.4                          | 103.6                                   | 93.7                         |
| April          | 93.2                         | 92.8                  | 84.3   | 99.8                                     | 95.0                          | 97.2                         | 102.2                                   | 90.9                            | 101.5                          | 102.6                                   | 93.5                         |
| May            | 96.1                         | 94.3                  | 84.8   | 99.1                                     | 97.5                          | 110.0                        | 103.4                                   | 92.9                            | 100.4                          | 102.9                                   | 92.8                         |
| June           | 90.3                         | 92.8                  | 86.2   | 101.2                                    | 99.8                          | 107.9                        | 103.9                                   | 90.0                            | 99.8                           | 102.7                                   | 91.9                         |
| July           | 90.4                         | 95.6                  | 88.4   | 103.3                                    | 100.7                         | 122.5                        | 104.3                                   | 97.1                            | 98.6                           | 102.2                                   | 90.7                         |
| August         | 95.6                         | 91.2                  | 87.3   | 105.1                                    | 103.3                         | 127.4                        | 100.4                                   | 98.5                            | 96.7                           | 102.2                                   | 89.6                         |
| September      | 99.3                         | 92.4                  | 88.4   | 106.9                                    | 101.4                         | 122.9                        | 103.5                                   | 102.5                           | 99.5                           | 102.4                                   | 90.4                         |
| October        | 99.6                         | 94.2                  | 91.6   | 108.7                                    | 104.0                         | 111.9                        | 104.0                                   | 104.6                           | 99.9                           | 104.1                                   | 92.4                         |
| November       | 100.5                        | 97.8                  | 94.8   | 110.3                                    | 106.8                         | 104.2                        | 103.5                                   | 103.3                           | 101.3                          | 104.8                                   | 94.8                         |
| December       | 100.7                        | 99.2                  | 95.0   | 109.1                                    | 107.9                         | 102.6                        | 103.1                                   | 103.3                           | 101.6                          | 106.1                                   | 95.3                         |
| 1923           |                              |                       |        |  |                               |                              |   |                                 |                                |   |                              |
| January        | 102.0                        | 99.6                  | 92.3   | 107.5                                    | 110.2                         | 108.4                        | 105.0                                   | 107.1                           | 101.3                          | 109.4                                   | 100.5                        |
| February       | 103.3                        | 100.0                 | 91.2   | 108.5                                    | 111.8                         | 111.8                        | 107.1                                   | 109.4                           | 102.0                          | 109.6                                   | 103.0                        |
| March          | 104.5                        | 100.2                 | 92.6   | 109.2                                    | 113.4                         | 110.6                        | 110.8                                   | 112.2                           | 103.6                          | 109.6                                   | 104.8                        |
| April          | 103.9                        | 98.5                  | 93.3   | 109.2                                    | 114.4                         | 105.6                        | 112.8                                   | 115.5                           | 104.1                          | 110.4                                   | 104.5                        |
| May            | 101.9                        | 96.7                  | 92.3   | 108.7                                    | 113.0                         | 99.3                         | 111.7                                   | 114.3                           | 102.3                          | 110.5                                   | 103.6                        |
| June           | 100.3                        | 96.0                  | 91.7   | 106.4                                    | 110.5                         | 97.6                         | 110.3                                   | 111.1                           | 100.1                          | 110.6                                   | 98.8                         |



**No. 792.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: REVISED INDEX NUMBERS, BY MONTHS, 1913 TO 1924—Continued.**

| Year and month     | All commodities | Farm products | Foods | Hides and leather products | Textile products | Fuel and lighting | Metals and metal products | Building materials | Chemicals and drugs | House-furnishing goods | Miscellaneous |
|--------------------|-----------------|---------------|-------|----------------------------|------------------|-------------------|---------------------------|--------------------|---------------------|------------------------|---------------|
| <b>1923—Contd.</b> |                 |               |       |                            |                  |                   |                           |                    |                     |                        |               |
| July.....          | 98.4            | 94.0          | 90.5  | 103.3                      | 107.9            | 93.6              | 111.8                     | 108.9              | 99.4                | 110.2                  | 97.5          |
| August.....        | 97.8            | 95.8          | 89.9  | 102.1                      | 106.7            | 91.4              | 110.5                     | 107.1              | 98.8                | 108.8                  | 98.1          |
| September.....     | 99.7            | 100.0         | 94.0  | 100.8                      | 110.2            | 90.0              | 110.3                     | 105.4              | 99.4                | 108.8                  | 97.7          |
| October.....       | 99.4            | 100.6         | 95.8  | 100.3                      | 111.1            | 88.6              | 106.7                     | 105.7              | 100.3               | 108.9                  | 96.4          |
| November.....      | 98.4            | 101.8         | 95.1  | 98.0                       | 111.4            | 85.5              | 106.5                     | 104.9              | 101.4               | 106.8                  | 96.0          |
| December.....      | 98.1            | 101.0         | 92.9  | 99.2                       | 112.7            | 85.6              | 107.0                     | 103.6              | 101.2               | 107.2                  | 95.3          |
| <b>1924</b>        |                 |               |       |                            |                  |                   |                           |                    |                     |                        |               |
| January.....       | 99.6            | 101.4         | 91.4  | 100.2                      | 112.3            | 93.8              | 108.0                     | 105.1              | 100.1               | 106.7                  | 96.8          |
| February.....      | 99.7            | 98.8          | 90.8  | 102.9                      | 109.1            | 98.9              | 108.5                     | 105.7              | 99.4                | 106.7                  | 95.5          |
| March.....         | 98.5            | 95.7          | 89.2  | 102.3                      | 106.8            | 98.0              | 108.9                     | 105.5              | 98.7                | 106.5                  | 94.2          |
| April.....         | 97.3            | 97.3          | 86.7  | 101.0                      | 105.0            | 96.2              | 106.8                     | 105.0              | 98.2                | 106.4                  | 94.3          |
| May.....           | 95.9            | 95.1          | 85.3  | 100.2                      | 104.7            | 94.2              | 105.2                     | 104.3              | 96.9                | 104.9                  | 92.5          |
| June.....          | 94.9            | 94.3          | 86.5  | 99.3                       | 103.6            | 91.4              | 104.3                     | 100.8              | 95.9                | 104.4                  | 90.0          |
| July.....          | 95.6            | 98.6          | 87.4  | 99.4                       | 103.7            | 90.0              | 103.7                     | 99.2               | 96.2                | 103.8                  | 89.8          |
| August.....        | 97.0            | 102.0         | 90.3  | 100.9                      | 105.6            | 87.7              | 104.9                     | 99.7               | 98.8                | 103.9                  | 91.2          |
| September.....     | 97.1            | 100.4         | 92.8  | 100.8                      | 104.9            | 88.2              | 104.2                     | 99.9               | 98.9                | 104.0                  | 92.0          |
| October.....       | 98.2            | 103.2         | 94.9  | 102.0                      | 106.4            | 86.9              | 103.8                     | 99.8               | 99.6                | 104.0                  | 93.0          |
| November.....      | 99.1            | 103.6         | 97.1  | 103.7                      | 107.7            | 88.0              | 104.5                     | 100.5              | 101.2               | 104.6                  | 93.8          |
| December.....      | 101.5           | 108.3         | 99.3  | 106.6                      | 107.8            | 90.3              | 105.6                     | 101.8              | 101.5               | 104.8                  | 99.5          |

Source: Bureau of Labor Statistics, Department of Labor.

**No. 793. WHOLESALE PRICES OF RAW MATERIALS, SEMIMANUFACTURED ARTICLES, AND FINISHED PRODUCTS: INDEX NUMBERS**

[NOTE.—For explanation of indexes see general note, p. 317]

[1926=100]

| Year and month | Raw materials | Semi-manufactured articles | Finished products | All commodities | Year and month     | Raw materials | Semi-manufactured articles | Finished products | All commodities |
|----------------|---------------|----------------------------|-------------------|-----------------|--------------------|---------------|----------------------------|-------------------|-----------------|
| 1913.....      | 68.8          | 74.9                       | 69.4              | 69.8            | <b>1926—Contd.</b> |               |                            |                   |                 |
| 1914.....      | 67.6          | 70.0                       | 67.8              | 68.1            | October.....       | 99.5          | 99.1                       | 99.3              | 99.4            |
| 1915.....      | 67.2          | 81.2                       | 68.9              | 69.5            | November.....      | 98.2          | 98.9                       | 98.4              | 98.4            |
| 1916.....      | 82.6          | 118.3                      | 82.3              | 85.5            | December.....      | 96.9          | 98.9                       | 98.4              | 97.9            |
| 1917.....      | 122.6         | 150.4                      | 109.2             | 117.5           | <b>1927</b>        |               |                            |                   |                 |
| 1918.....      | 135.8         | 153.8                      | 124.7             | 131.3           | January.....       | 97.3          | 97.8                       | 95.9              | 96.6            |
| 1919.....      | 145.9         | 157.9                      | 130.6             | 138.6           | February.....      | 96.0          | 96.6                       | 95.8              | 95.9            |
| 1920.....      | 151.8         | 198.2                      | 149.8             | 154.4           | March.....         | 94.0          | 96.6                       | 94.6              | 94.5            |
| 1921.....      | 88.3          | 96.1                       | 103.3             | 97.6            | April.....         | 92.7          | 95.9                       | 94.1              | 93.7            |
| 1922.....      | 96.0          | 98.9                       | 96.5              | 96.7            | May.....           | 93.9          | 96.0                       | 93.6              | 93.7            |
| 1923.....      | 98.5          | 118.6                      | 99.2              | 100.6           | June.....          | 94.1          | 95.6                       | 93.4              | 93.8            |
| 1924.....      | 97.6          | 108.7                      | 96.3              | 98.1            | July.....          | 94.7          | 95.7                       | 93.5              | 94.1            |
| 1925.....      | 106.7         | 105.3                      | 100.6             | 103.5           | August.....        | 97.5          | 97.3                       | 93.4              | 95.2            |
| 1926.....      | 100.0         | 100.0                      | 100.0             | 100.0           | September.....     | 99.9          | 98.6                       | 94.0              | 96.5            |
| 1927.....      | 96.5          | 96.9                       | 94.5              | 95.4            | October.....       | 99.5          | 97.6                       | 95.5              | 97.0            |
| <b>1926</b>    |               |                            |                   |                 | November.....      | 99.0          | 97.0                       | 95.3              | 96.7            |
| January.....   | 105.9         | 104.0                      | 102.1             | 103.6           | December.....      | 99.2          | 97.7                       | 95.3              | 96.8            |
| February.....  | 103.7         | 103.1                      | 101.0             | 102.1           | <b>1928</b>        |               |                            |                   |                 |
| March.....     | 100.9         | 101.0                      | 100.1             | 100.4           | January.....       | 100.2         | 97.7                       | 93.9              | 96.3            |
| April.....     | 100.6         | 99.4                       | 99.9              | 100.1           | February.....      | 99.1          | 97.1                       | 94.8              | 96.4            |
| May.....       | 100.6         | 98.3                       | 100.7             | 100.5           | March.....         | 97.9          | 97.8                       | 94.8              | 96.0            |
| June.....      | 100.0         | 98.5                       | 101.1             | 100.5           | April.....         | 100.1         | 97.9                       | 95.9              | 97.4            |
| July.....      | 98.5          | 98.7                       | 100.2             | 99.5            | May.....           | 101.4         | 98.6                       | 97.1              | 98.6            |
| August.....    | 97.8          | 99.6                       | 99.6              | 99.0            | June.....          | 99.3          | 97.8                       | 96.7              | 97.6            |
| September..... | 99.3          | 100.4                      | 99.9              | 99.7            |                    |               |                            |                   |                 |

Source: Bureau of Labor Statistics, Department of Labor.

# No. 794.—DEVELOPED AND POTENTIAL WATER POWER OF THE UNITED STATES

[NOTE.—Data for developed water power cover capacity of actual installation of water wheels and turbines, on Jan. 1, 1923, in plants of 100 horsepower or more. In November, 1921, the capacity of installation amounted to 7,926,968 horsepower and in March, 1925, to 10,037,665. The figures, given for potential power are estimates showing the 24-hour horsepower available 90 per cent of the time and 50 per cent of the time at an over-all efficiency of 70 per cent at all developed and undeveloped sites. These figures for potential power are not directly comparable with those for developed power, because developed power is usually given in terms of the capacity of the installed water wheels or turbines, which may be several times the potential power available 90 per cent of the time. Probably with complete development of the water-power resources of the whole country the installed capacity would amount to 80,000,000 horsepower or more.]

In thousands of horsepower]

| Division and State                | Developed water power (capacity of actual installation) | Potential water power             |                                   | Division and State                           | Developed water power (capacity of actual installation) | Potential water power             |                                   |
|-----------------------------------|---|-----------------------------------|-----------------------------------|--|---|-----------------------------------|-----------------------------------|
|                                   |   | Available 90 per cent of the time | Available 50 per cent of the time |  |   | Available 90 per cent of the time | Available 50 per cent of the time |
| <b>Continental United States.</b> | <b>12, 296</b>  | <b>33, 119</b>                    | <b>69, 168</b>                    | <b>South Atlantic Con.</b>                   |   |                                   |                                   |
| <b>New England</b>                | <b>1, 556</b>   | <b>998</b>                        | <b>1, 978</b>                     | North Carolina                               | 644   | 852                               | 1, 160                            |
| Maine                             | 537   | 536                               | 1, 074                            | South Carolina                               | 574   | 565                               | 800                               |
| New Hampshire                     | 278   | 186                               | 350                               | Georgia                                      | 483   | 572                               | 958                               |
| Vermont                           | 200   | 80                                | 169                               | Florida                                      | 8   | 20                                | 30                                |
| Massachusetts                     | 362   | 106                               | 235                               | <b>East South Central</b>                    |   | <b>1, 925</b>                     | <b>2, 371</b>                     |
| Rhode Island                      | 30  | 25                                | 40                                | Kentucky                                     | 142   | 472                               | 340                               |
| Connecticut                       | 148   | 55                                | 110                               | Tennessee                                    | 177   | 654                               | 803                               |
| <b>Middle Atlantic</b>            | <b>2, 079</b>   | <b>4, 573</b>                     | <b>8, 000</b>                     | Alabama                                      | 646   | 472                               | 1, 059                            |
| New York                          | 1, 779  | 4, 010                            | 4, 960                            | Mississippi                                  |   | 20                                | 60                                |
| New Jersey                        | 19  | 50                                | 90                                | <b>West South Central</b>                    | <b>44</b>   | <b>556</b>                        | <b>1, 116</b>                     |
| Pennsylvania                      | 280   | 312                               | 1, 000                            | Arkansas                                     | 16  | 200                               | 300                               |
| <b>East North Central</b>         | <b>1, 657</b>   | <b>749</b>                        | <b>1, 426</b>                     | Louisiana                                    |   | 1                                 | 2                                 |
| Ohio                              | 30  | 55                                | 106                               | Oklahoma                                     | 2   | 70                                | 196                               |
| Indiana                           | 57  | 45                                | 145                               | Texas  | 27  | 282                               | 614                               |
| Illinois                          | 94  | 180                               | 351                               | <b>Mountain</b>                              | <b>1, 118</b>   | <b>10, 844</b>                    | <b>15, 399</b>                    |
| Michigan                          | 378   | 169                               | 274                               | Montana                                      | 378   | 2, 350                            | 3, 700                            |
| Wisconsin                         | 477   | 285                               | 480                               | Idaho  | 355   | 2, 122                            | 4, 033                            |
| <b>West North Central</b>         | <b>542</b>  | <b>969</b>                        | <b>1, 987</b>                     | Wyoming                                      | 17  | 704                               | 1, 162                            |
| Minnesota                         | 276   | 208                               | 401                               | Colorado                                     | 95  | 873                               | 1, 409                            |
| Iowa                              | 184   | 160                               | 306                               | New Mexico                                   | 2   | 116                               | 146                               |
| Missouri                          | 21  | 67                                | 152                               | Arizona                                      | 104   | 2, 759                            | 2, 897                            |
| North Dakota                      | ( <sup>1</sup> )  | 82                                | 193                               | Utah   | 153   | 1, 420                            | 1, 586                            |
| South Dakota                      | 20  | 121                               | 208                               | Nevada                                       | 13  | 200                               | 270                               |
| Nebraska                          | 24  | 163                               | 342                               | <b>Pacific</b>                               | <b>2, 968</b>   | <b>15, 413</b>                    | <b>23, 798</b>                    |
| Kansas                            | 17  | 104                               | 251                               | Washington                                   | 707   | 7, 145                            | 11, 235                           |
| <b>South Atlantic</b>             | <b>1, 967</b>   | <b>2, 084</b>                     | <b>5, 048</b>                     | Oregon                                       | 280   | 3, 665                            | 5, 864                            |
| Delaware                          | 1   | 5                                 | 10                                | California                                   | 1, 968  | 4, 605                            | 6, 674                            |
| Maryland                          | 38  |                                   |                                   | <b>Outlying territories and possessions:</b> |   |                                   |                                   |
| Dist. of Columbia                 | 6   | 106                               | 238                               | Alaska                                       | 40  | 1, 000                            | 2, 500                            |
| Virginia                          | 141   | 469                               | 812                               | Hawaii                                       | 32  | 19                                | 25                                |
| West Virginia                     | 91  | 355                               | 990                               | Porto Rico                                   | 15  | 100                               | 200                               |

<sup>1</sup> Less than 500.

Source: Geological Survey, Department of the Interior.

# No. 795. ANNUAL SUPPLY OF ENERGY FROM MINERAL FUELS AND WATER POWER IN THE UNITED STATES

[The figures represent the equivalent of the heating power of the classes of fuel in trillions of British thermal units. Data represent production, except those for oil imports, and take no account of changes in stocks]

| Annual average or year | Anthracite coal | Bituminous coal | Total coal | Domestic oil | Natural gas      | Imported oil | Total oil and gas | Water power <sup>1</sup> | Grand total fuels and water power | Per capita million B. t. u. |             |
|------------------------|-----------------|-----------------|------------|--------------|------------------|--------------|-------------------|--------------------------|-----------------------------------|-----------------------------|-------------|
|                        |                 |                 |            |              |                  |              |                   |                          |                                   | Coal                        | All sources |
| 1871-1875              | 637             | 754             | 1,391      | 49           | .....            | .....        | 49                | (1)                      | 1,520                             | 33                          | 36          |
| 1876-1880              | 718             | 955             | 1,673      | 101          | .....            | .....        | 101               | (1)                      | 1,857                             | 35                          | 39          |
| 1881-1885              | 985             | 1,863           | 2,848      | 153          | <sup>2</sup> 24  | .....        | 177               | (1)                      | 3,110                             | 59                          | 67          |
| 1886-1890              | 1,186           | 2,474           | 3,660      | 198          | <sup>2</sup> 264 | .....        | 462               | (1)                      | 4,221                             | 61                          | 70          |
| 1890-1895              | 1,453           | 3,286           | 4,739      | 307          | <sup>2</sup> 166 | .....        | 473               | 104                      | 5,316                             | 71                          | 79          |
| 1896-1900              | 1,513           | 4,498           | 6,011      | 357          | <sup>2</sup> 198 | .....        | 555               | 129                      | 6,690                             | 82                          | 91          |
| 1901-1905              | 1,818           | 7,140           | 8,958      | 612          | 323              | .....        | 935               | 209                      | 10,102                            | 111                         | 125         |
| 1906-1910              | 2,207           | 9,783           | 11,990     | 1,037        | 470              | 1            | 1,508             | 369                      | 13,867                            | 135                         | 156         |
| 1911-1915              | 2,427           | 11,527          | 13,954     | 1,486        | 619              | 72           | 2,177             | 591                      | 16,722                            | 145                         | 173         |
| 1916-1920              | 2,523           | 13,981          | 16,504     | 2,176        | 820              | 297          | 3,293             | 851                      | 20,648                            | 159                         | 190         |
| 1921-1925              | 2,112           | 12,610          | 14,722     | 3,888        | 1,024            | 569          | 5,481             | 1,105                    | 21,308                            | 132                         | 191         |
| 1913                   | 2,490           | 12,535          | 15,025     | 1,491        | 626              | 102          | 2,219             | 588                      | 17,831                            | 156                         | 185         |
| 1918                   | 2,688           | 15,180          | 17,868     | 2,136        | 775              | 226          | 3,137             | 837                      | 21,842                            | 172                         | 211         |
| 1925                   | 1,681           | 13,625          | 15,306     | 4,582        | 1,278            | 371          | 6,231             | 1,390                    | 22,827                            | 133                         | 198         |
| 1926                   | 2,297           | 15,022          | 17,319     | 4,625        | 1,411            | 362          | 6,398             | 1,492                    | 25,209                            | 148                         | 215         |
| 1927 <sup>3</sup>      | 2,194           | 13,619          | 15,813     | 5,367        | 1,473            | 349          | 7,189             | 1,687                    | 24,689                            | 133                         | 208         |

<sup>1</sup> The fuel equivalent for water power is calculated from the reported horsepower of installed water wheels. Prior to 1890 data were unsatisfactory, but estimates are included in the total.

<sup>2</sup> Based on the amount of coal displaced by gas, as estimated by the gas companies at the time.

<sup>3</sup> Preliminary.

Source: Bureau of Mines, Department of Commerce.

98827°—S A 1928—53



# INDEX

NOTE.—Many individual commodities and industries not listed in the index are shown in the general tables, where they may readily be found, being either arranged alphabetically or placed in appropriate groups. Such tables are—

|   | Page     |
|---|----------|
| No. 337. Wholesale prices of leading commodities .....                                    | 321-323  |
| No. 504. Exports or domestic merchandise by commodity groups and articles .....           | 480-518  |
| No. 505. Imports or merchandise by commodity groups and articles .....                    | 519-552  |
| No. 508. Reexports of foreign merchandise .....   | 554, 555 |
| No. 600. Animal food products manufacturing industries .....                              | 630      |
| No. 654. Food products manufacturing industries .....                                     | 682      |
| No. 690. Mineral products of the United States .....                                      | 710-712  |
| No. 757. Manufactures: Summary for individual industries .....                            | 754-776  |
| No. 762 to No. 776. Summary of census statistics of production for major industries ..... | 786-800  |

|  | Page                                  |
|--|---------------------------------------|
| Abrasives .....  | 498, 542, 708, 711, 768, 791          |
| Acceptances .....  | 242, 244, 254, 261                    |
| Interest rates .....   | 294, 295                              |
| Accessions, territorial, of the United States,<br>date and area .....  | 1                                     |
| Accident and sick benefit insurance .....  | 306, 307                              |
| Accidents and fatalities:  |                                       |
| At sea .....   | 423, 424                              |
| Automobile .....   | 378                                   |
| In metal mines, quarries, etc .....  | 746-748                               |
| Railway .....  | 403, 404                              |
| Acids .....  | 323, 415, 513, 548, 767, 791          |
| Acreage, crop ( <i>see also individual crops</i> ) .....   | 634                                   |
| On irrigated lands .....   | 571, 572, 576, 577                    |
| Percentage occupied by each principal crop .....   | 636                                   |
| Adding and calculating machines .....  | 510, 794                              |
| Aden .....   | 464                                   |
| Admission of States and Territories, dates ...   | 1                                     |
| Africa, trade ( <i>see also Union of South Africa<br/>    and colonies and mandatories of European<br/>    nations</i> ) ..... | 456-458, 460, 461, 466, 468, 553, 724 |
| Age distribution ( <i>see also under Population</i> ),<br>immigrant and emigrant aliens .....                                  | 92, 98                                |
| Agents. <i>See</i> Brokers, etc.   |                                       |
| Agricultural corporations tax returns .....  | 189-192,<br>196, 198-200              |
| Agricultural credits .....   | 261, 271-277                          |
| Agricultural implements:   |                                       |
| Foreign trade .....  | 479, 510, 547                         |
| Manufacture .....  | 771, 794, 798                         |
| Prices .....   | 319, 323                              |
| Traffic movement .....   | 401                                   |
| Value of, on farms and as national wealth .....  | 287,<br>288, 581, 587                 |
| Agricultural products:   |                                       |
| Foreign trade .....  | 606, 609                              |
| Prices .....   | 317-321, 324, 606, 813                |
| Traffic movement .....   | 399, 409                              |
| Value as natural wealth .....  | 287                                   |
| Agriculture ( <i>see also Farms, Crops, etc.</i> ):  |                                       |
| Persons engaged in .....   | 49, 50, 58, 59                        |
| Vocational training in .....   | 120-123                               |
| Air-mail service .....   | 345                                   |
| Aircraft .....   | 512, 773, 794, 800                    |

|   | Page  |
|---|---|
| Alaska:   |   |
| Area, date of accession and population .....                          | 1, 3  |
| Banks .....   | 257, 260-262  |
| Fisheries .....   | 700, 702, 703                                       |
| Foreign trade .....   | 469, 559, 563, 564                                  |
| Internal revenue .....  | 178, 184, 188, 193-195                              |
| Mines and quarries .....  | 706, 722, 727                                       |
| Motor vehicles .....  | 377   |
| National parks, etc .....   | 133, 134, 686, 687                                  |
| Postal Service .....  | 346, 348, 349                                       |
| Railroads .....   | 382, 406  |
| Schools .....   | 105-110, 114, 117                                   |
| Albania and Yugoslavia .....  | 464   |
| Alcohol .....   | 323, 513, 548, 804                                  |
| Alfalfa seed .....  | 489, 530, 572, 576, 678                             |
| Algeria and Tunisia .....   | 377, 429, 466                                       |
| Alien Property Custodian .....  | 168, 172  |
| Aliens. <i>See</i> Immigration.                                       |   |
| Almonds .....   | 526, 635  |
| Almshouses, paupers in .....  | 63, 71  |
| Aluminum .....  | 503, 544, 710, 721, 770                             |
| Aluminum compounds .....  | 791   |
| Alums .....   | 791   |
| American Railway Express Co. ....                                     | 406   |
| American Telephone & Telegraph Co. ....                               | 351, 354  |
| Ammonia .....   | 323, 513, 548, 791                                  |
| Ammunition .....  | 479, 514, 549, 765                                  |
| Amusement corporations, tax returns .....                             | 200   |
| Animal products ( <i>see also individual commodi-<br/>    ties</i> ): |   |
| Summary .....   | 619, 620  |
| Cold-storage holdings .....   | 627   |
| Estimated value, farm production .....                                | 606   |
| Foreign trade .....   | 478,<br>480, 482, 492, 519, 521, 535, 554, 608, 609 |
| Prices .....  | 321, 609, 618                                       |
| Animals ( <i>see also individual classes</i> ):                       |   |
| Summary .....   | 611   |
| Foreign trade .....   | 478, 480, 484, 519, 523, 554, 609                   |
| Grazed on national forest ranges .....                                | 688   |
| Inspected and slaughtered .....                                       | 619, 630  |
| Number and value of farm .....  | 611-614   |
| By States .....   | 612   |
| Prices .....  | 319, 321, 617, 618                                  |

[For reference to items not shown in index, see note, p. 636]

| Animals—Continued.                            | Page                                   | Banks—Continued.                           | Page                         |
|---|--|--|------------------------------|
| Receipts and shipments.....                   | 414, 415                               | Federal land banks.....                    | 271-272                      |
| Traffic movement.....                         | 392, 400, 415                          | Federal reserve banks.....                 | 240-242                      |
| Animals and products:                         |  | Acceptances purchased and held.....        | 242, 243                     |
| Foreign trade.....                            | 479                                    | Assets and liabilities.....                | 242, 243                     |
| .....   | 422, 423, 512, 521, 554, 555, 559      | Bills discounted.....                      | 242, 243-244                 |
| Traffic movement.....                         | 392, 400, 415, 416                     | Branches, volume of operations.....        | 242                          |
| Antimonial lead, production.....              | 710, 722                               | Clearing operations.....                   | 242                          |
| Antimony.....                                 | 545, 709, 710                          | Discount operations.....                   | 242, 243, 243-247            |
| Artists' supplies. See Dairymen's supplies.   |  | Earnings, annual rate.....                 | 241                          |
| Apples:                                       |  | Gold fund.....                             | 242, 243                     |
| Canned.....                                   | 682                                    | Money held.....                            | 242                          |
| Foreign trade.....                            | 422, 423                               | Profit and loss account.....               | 241                          |
| Prices.....                                   | 321, 422, 479                          | Reserve ratio.....                         | 241                          |
| Production.....                               | 572, 573, 622, 624, 625                | United States securities.....              | 240, 242, 243                |
| Appropriations by Congress.....               | 174                                    | Volume of operations.....                  | 242                          |
| Apricots.....                                 | 422, 423, 424                          | Federal reserve system member banks.....   | 243-244                      |
| Arabic.....                                   | 422, 424                               | Accommodations of reserve banks.....       | 244                          |
| Area:   |  | Assets and liabilities.....                | 243-244                      |
| Continental United States.....                | 1-3                                    | Number, capital, etc.....                  | 244                          |
| Noncontiguous territories.....                | 1, 3                                   | Joint-stock land banks.....                | 274-275                      |
| States.....                                   | 2                                      | Loans and trust companies.....             | 244, 245, 246                |
| Argentina.....                                | 261, 262, 277, 422, 549                | National banks.....                        | 244, 245-246, 246, 247       |
| Trade with United States.....                 | 422, 423, 424, 720                     | Assets and liabilities.....                | 244, 245, 246                |
| Armenia.....                                  | 249, 420                               | Dividends and earnings.....                | 244                          |
| Army, strength of.....                        | 147-149                                | Deposits.....                              | 244-245, 245, 246            |
| Agave root. See Tapioca, etc.                 |  | Loans and discounts.....                   | 244-245, 246                 |
| American oxide, production.....               | 711                                    | Loans, capital, and surplus, etc.....      | 244                          |
| Artists' materials.....                       | 773                                    | Note circulation.....                      | 244                          |
| Art works.....                                | 679, 517, 521, 522, 709                | Securities owned.....                      | 244                          |
| Arts, gold used in.....                       | 720                                    | Summary, by States.....                    | 244                          |
| Asbestos.....                                 | 422, 542, 554, 709, 711, 720           | Private banks.....                         | 244, 245, 246                |
| Asbestos products.....                        | 422, 542, 720                          | Reserve, lawful.....                       | 247                          |
| Asia, foreign trade.....                      | 450-453, 460, 461, 464, 468, 523       | Savings banks.....                         | 245, 246, 245-246            |
| Asparagus.....                                | 465, 636, 682                          | Postal system.....                         | 246                          |
| Asphalt.....                                  | 401, 499, 542, 708, 711, 726, 729, 740 | Staff banks.....                           | 245, 246, 246                |
| Asses and burros.....                         | 484, 611                               | Suspensions.....                           | 314, 315                     |
| Athletic goods. See Sporting, etc., goods.    |  | Tax returns.....                           | 102, 200                     |
| Atlantic coast district.....                  | 426-428                                | Barbados, trade with United States.....    | 423                          |
| .....   | 431, 432, 435, 469, 470, 523           | Barley:                                    |                              |
| Australia.....                                | 326, 327, 377                          | Summary.....                               | 620                          |
| Trade with United States.....                 | 420, 423, 423, 720                     | By States.....                             | 620                          |
| Austria.....                                  | 209, 201, 277, 464                     | Acreage and production.....                | 572, 573, 622, 624, 643, 650 |
| Austria-Hungary.....                          | 420, 464                               | Foreign trade.....                         | 422, 424                     |
| Automobile insurance.....                     | 307                                    | Prices.....                                | 321, 642, 643, 672, 679      |
| Automobile tires.....                         | 319, 523, 469, 700                     | Receipts at Atlantic ports.....            | 679                          |
| Automobiles. See Motor vehicles.              |  | Barrels, drums, and tanks, steel.....      | 542, 709                     |
| Awnings, tents, and sails.....                | 726                                    | Barytes.....                               | 709, 711                     |
| Azores and Madeira Islands.....               | 426, 464                               | Basalt.....                                | 709, 743                     |
|   |  | Baskets, and rattan and willow ware.....   | 520, 702                     |
|   |  | Bathtubs, lavatories, etc.....             | 601                          |
| Babbot metal and solder.....                  | 504, 725, 730                          | Batteries.....                             | 605, 707                     |
| Bacon.....                                    | 529, 332, 480                          | Bauxite.....                               | 505, 544, 709, 710, 721      |
| Bags.....                                     | 491, 493, 632, 554, 756, 764           | Beads and bead ornaments.....              | 551                          |
| Bahama Islands, trade with United States..... | 429                                    | Beans:                                     |                              |
| Bakers.....                                   | 50, 338, 340                           | Summary.....                               | 651, 653                     |
| Baking powders.....                           | 513, 765                               | Acreage and production.....                | 572, 573, 624, 626, 651, 653 |
| Balance of trade.....                         | 443, 447-450                           | Canned.....                                | 652                          |
| Bananas.....                                  | 321, 423, 525, 554                     | Foreign trade.....                         | 423, 525, 554                |
| Bankers, brokers, and money lenders.....      | 55                                     | Prices.....                                | 651, 652                     |
| Banks:  |  | Beef:                                      |                              |
| Summary, all reporting banks.....             | 256, 257                               | Summary, consumption, production, etc..... | 519                          |
| Clearings.....                                | 278-282                                | Cold-storage holdings.....                 | 627                          |
| Debits to individual accounts.....            | 283-285                                | Foreign trade.....                         | 420, 512, 620                |
| Deposits.....                                 | 257-260, 265-268                       |  |                              |
| Federal intermediate credit banks.....        | 278, 277                               |  |                              |

[For reference to items not shown in index, see note, p. 819]

|  | Page                                   |   | Page                              |
|--|--|---|-----------------------------------|
| <b>Beef—Continued.</b>                               |  | <b>British Guiana</b> .....                             | 430, 462                          |
| Prices.....  | 321, 329, 618                          | <b>British Honduras</b> .....                           | 429, 462                          |
| Production.....                                      | 619, 630                               | <b>British India.</b> See India.                        |                                   |
| <b>Beet pulp</b> .....                               | 525, 683                               | <b>British Malaya</b> .....                             | 464, 468, 720                     |
| <b>Beet sugar.</b> See Sugar.                        |  | <b>British Oceania</b> .....                            | 466                               |
| <b>Beets, sugar</b> .....                            | 572, 576, 633, 634, 668, 683           | <b>British West Indies</b> .....                        | 429, 462, 720                     |
| <b>Belgian Congo, trade with United States</b> ..    | 430, 466                               | <b>Brokers and agents</b> .....                         | 55, 198, 314, 315                 |
| <b>Belgium (see also World statistics), trade</b>    |  | <b>Brokers' loans</b> .....                             | 286                               |
| with United States.....                              | 429, 464, 468, 553, 673, 720           | <b>Bromine production</b> .....                         | 711                               |
| <b>Bell telephone system</b> .....                   | 351, 354                               | <b>Broom corn</b> .....                                 | 489, 635, 661, 663                |
| <b>Belting</b> .....                                 | 483, 488, 491, 528, 790                | <b>Brooms</b> .....                                     | 52, 53, 489, 774                  |
| <b>Belting and hose</b> .....                        | 758                                    | <b>Brushes</b> .....                                    | 518, 551, 774                     |
| <b>Benzine</b> .....                                 | 739                                    | <b>Buckwheat</b> .....                                  | 484, 524, 633, 634, 659, 678, 682 |
| <b>Bermuda, trade with United States</b> .....       | 429, 462                               | <b>Building and loan associations</b> .....             | 270                               |
| <b>Berries</b> .....                                 | 486, 526, 572, 635, 636, 682           | <b>Building materials, prices</b> ..                    | 318-320, 323, 324, 809, 813       |
| <b>Beverages</b> .....                               | 175, 176, 177, 478, 487, 528, 756, 804 | <b>Building operations</b> .....                        | 50-52, 806-810                    |
| <b>Bicycles, motor cycles, and parts</b> ..          | 512, 773, 795, 800                     | <b>Building trades, union wages and hours of</b>        |                                   |
| <b>Billiard room, etc., keepers</b> .....            | 57                                     | labor.....  | 338, 340                          |
| <b>Billiard tables, bowling alleys, etc</b> .....    | 518, 762                               | <b>Buildings</b> .....                                  | 806-810                           |
| <b>Birds, imported</b> .....                         | 523                                    | Farm.....   | 581, 587                          |
| <b>Birth registration area</b> .....                 | 77                                     | <b>Bulgaria</b> .....                                   | 291, 377, 429, 464                |
| <b>Births.</b> See under Vital statistics.           |  | <b>Bunker coal laden on vessels in foreign trade</b> .. | 730                               |
| <b>Blackberries and dewberries</b> .....             | 635                                    | <b>Bunker oil laden on vessels in foreign trade</b> ..  | 737                               |
| <b>Blackings, stains, and dressings</b> .....        | 514, 765                               | <b>Bureaus and offices, Government expendi-</b>         |                                   |
| <b>Bleaching compounds</b> .....                     | 548, 791                               | tures for.....  | 168, 172, 174                     |
| <b>Blind population</b> .....                        | 63, 66, 67                             | <b>Burglary and theft insurance</b> .....               | 307                               |
| <b>Blind, schools for</b> .....                      | 119, 120                               | <b>Burlap</b> .....                                     | 331, 476, 533, 554                |
| <b>Bluing, manufacture</b> .....                     | 765                                    | <b>Business finance</b> .....                           | 291-315                           |
| <b>Boarding and lodging house keepers</b> .....      | 57                                     | <b>Busses, motor</b> .....                              | 377, 408, 511                     |
| <b>Boats.</b> See Vessels.                           |  | <b>Butter:</b>  |                                   |
| <b>Bolivia, trade with United States</b> .....       | 462, 468                               | Summary.....  | 623                               |
| <b>Bonds, prices, sales, and issues</b> .....        | 308-310                                | Cold-storage holdings.....                              | 623, 627                          |
| <b>Bone and horn manufactures (see also Ivory,</b>   |  | Foreign trade.....                                      | 481, 519, 554                     |
| etc., work).....                                     | 523                                    | Manufacture.....  | 630, 754                          |
| <b>Bone, carbon, and lampblack</b> .....             | 514, 766, 793                          | Prices.....   | 321, 329, 332, 618, 623           |
| <b>Bones, hoofs, and horns</b> .....                 | 484, 523                               | Production.....   | 620-623, 630                      |
| <b>Bookbinding and blank-book making</b> .....       | 764                                    | Receipts at leading markets.....                        | 623                               |
| <b>Books, maps, etc</b> .....                        | 117, 517, 551, 764, 790                | Traffic movement.....                                   | 400                               |
| <b>Boots and shoes:</b>                              |  | <b>Butterfat sold on farms</b> .....                    | 620                               |
| Summary.....   | 763, 789                               | <b>Buttons</b> .....                                    | 52, 53, 518, 551, 774             |
| Foreign trade.....                                   | 483, 487, 522                          | <b>Cabbage</b> .....                                    | 636, 662                          |
| Persons engaged in manufacture.....                  | 51, 53, 763                            | <b>Cable railways</b> .....                             | 406                               |
| Prices.....  | 319, 322                               | <b>Cable systems</b> .....                              | 356, 357                          |
| Rubber.....  | 487, 763, 790                          | <b>Cable transfers, exchange rates</b> .....            | 291-293                           |
| Sales indexes.....                                   | 310, 311                               | <b>Cadmium, production</b> .....                        | 710                               |
| Wages and hours of labor in industry.....            | 334                                    | <b>Calcium magnesium, chloride, production</b> ...      | 711                               |
| <b>Borates</b> .....                                 | 711                                    | <b>Calculating machines</b> .....                       | 510, 771, 794                     |
| <b>Borneo, trade with United States</b> .....        | 430                                    | <b>Call money, interest rates, New York</b> .....       | 294, 295                          |
| <b>Boxes</b> .....                                   | 52, 53, 496, 539, 762, 764             | <b>Calves</b> .....                                     | 614, 617-619, 630                 |
| <b>Bradstreet's wholesale price index</b> .....      | 324                                    | <b>Canada</b> .....                                     | 291, 292, 325, 327, 377, 553      |
| <b>Bran</b> .....                                    | 323, 485, 525, 682                     | Trade with United States....                            | 430, 462, 468, 673, 720           |
| <b>Brands and stencils</b> .....                     | 774                                    | <b>Canals:</b>  |                                   |
| <b>Brandy, fruit</b> .....                           | 804                                    | Erie and all New York State canals.....                 | 415                               |
| <b>Brass, bronze, and copper products</b> ..         | 51, 53, 725, 769                       | Panama.....   | 166, 171, 172, 424-426            |
| Foreign trade.....                                   | 503, 544, 545                          | Sault Ste. Marie.....                                   | 414                               |
| <b>Brazil</b> .....                                  | 291, 292, 377, 420                     | <b>Canary Islands</b> .....                             | 377, 429, 466                     |
| Trade with United States.....                        | 430, 462, 468, 720                     | <b>Candles</b> .....                                    | 518, 766                          |
| <b>Bread</b> .....                                   | 321, 329, 524                          | <b>Candy-store chains, sales index</b> .....            | 310                               |
| <b>Bread and other bakery products</b> .....         | 483, 524, 755                          | <b>Cane:</b>  |                                   |
| <b>Brick prices</b> .....                            | 319, 323, 498, 541, 744, 745           | Sorghum.....  | 634                               |
| <b>Brick, tile, terra-cotta, and fire-clay prod-</b> |  | Sugar.....  | 572, 634, 669, 670, 683           |
| ucts.....  | 51, 52, 401, 498, 541, 744, 745, 768   | <b>Canes.</b> See Umbrellas and canes.                  |                                   |
| <b>Bridges, public, construction, etc</b> .....      | 371                                    | <b>Canned goods, traffic movement</b> .....             | 401                               |
| <b>British Africa</b> .....                          | 377, 430, 466, 468, 720                |   |                                   |
| <b>British East Indies</b> .....                     | 430, 464, 720                          |   |                                   |



(For reference to items not shown in index, see note, p. 822)

|   | Page                            |  | Page                                    |
|---|---------------------------------|--|---|
| Canning and preserving. . . . .   | 51, 52, 630, 653, 702, 708, 754 | Chemicals and drugs:   |   |
| Cantaloupes and muskmelons . . . . .  | 576, 636                        | Foreign trade . . . . .  | 432, 479, 512, 547, 553                 |
| Cape Verde Islands . . . . .  | 430                             | Manufacture . . . . .  | 51, 52, 705, 706                        |
| Capital issues . . . . .  | 306, 309                        | Prices . . . . .   | 518-520, 523, 524, 525                  |
| Capital stock taxes . . . . .   | 175, 177, 199, 200              | Traffic movement . . . . .   | 401, 415, 436                           |
| Capital, surplus, etc. <i>See under Banks.</i>  |                                 | Chemicals and allied products industry:                                    |   |
| Car and railroad shops, employees . . . . .   | 51, 53, 387                     | Summary . . . . .  | 728                                     |
| Car loadings, roadway . . . . .   | 402                             | Corporation tax returns . . . . .  | 189-192, 194, 195-200                   |
| Carbon and manufactures of . . . . .  | 499, 542, 797                   | Employment and pay-roll indexes . . . . .                                  | 341                                     |
| Carbon black, bone black, etc. . . . .  | 514, 766, 793                   | Persons employed . . . . .   | 51, 52, 793                             |
| Cargo tonnage   |                                 | Production index . . . . .   | 736                                     |
| Passing through Panama Canal . . . . .  | 425, 426                        | Cherries . . . . .   | 486, 526, 576, 635, 693                 |
| Water borne imports and exports . . . . .   | 426-434                         | Chewing gum . . . . .  | 487, 735                                |
| Carpets and rugs . . . . .  | 51, 53, 323, 755, 783           | Chicago, financial statistics . . . . .                                    | 235-237,<br>239, 260-262, 261, 263, 264 |
| Foreign trade . . . . .   | 492, 536, 554                   | Chickens ( <i>see also Poultry</i> ) . . . . .                             | 329, 618, 624-626                       |
| Carriages, wagons, etc. . . . .   | 51, 53, 512, 773, 800           | Chile . . . . .  | 291, 292, 377, 439                      |
| Carrots, production . . . . .   | 634                             | Trade with United States . . . . .   | 420, 462, 463, 729                      |
| Cars, railway ( <i>see also Motor cars, etc.</i> ):   |                                 | China . . . . .  | 291, 293, 377, 419, 420                 |
| Electric . . . . .  | 407, 409, 512, 773, 800         | Trade with United States . . . . .   | 430, 461, 476, 729                      |
| Steam . . . . .   | 383-385, 512, 773, 800          | Chinese, number in United States. 4, 5, 15, 17, 21, 269                    |   |
| Cassia, dried . . . . .   | 524, 622, 630                   | Chinese wood (or nut) oil . . . . .  | 529, 584                                |
| Cash registers . . . . .  | 510, 771, 794                   | Chocolate and cocoa . . . . .  | 497, 527, 674, 692, 756                 |
| Casings, sausage. <i>See Tires.</i>   |                                 | Chromite, production . . . . .   | 719                                     |
| Cassava. <i>See Tapioca, etc.</i>   |                                 | Churches . . . . .   | 51, 62, 699                             |
| Castor beans . . . . .  | 529                             | Cider and vinegar . . . . .  | 739                                     |
| Cattle:   |                                 | Cigars and cigarettes . . . . .  | 489, 531, 563, 564, 771, 694, 695       |
| Foreign trade . . . . .   | 480, 519                        | Cigar-store chains, sales index . . . . .                                  | 310                                     |
| Grazing in national forests . . . . .   | 688                             | Circulation of money . . . . .   | 399                                     |
| Inspected and slaughtered . . . . .   | 519, 530                        | Circulation of newspapers and periodicals . . . . .                        | 799                                     |
| Number and value . . . . .  | 513-514                         | Cities, Federal reserve . . . . .  | 289                                     |
| Prices . . . . .  | 521, 517, 518                   | Cities, principal:   |   |
| Receipts and shipments at markets . . . . .   | 518, 519                        | Building operations . . . . .  | 804-810                                 |
| Traffic movement . . . . .  | 400                             | Climatic conditions . . . . .  | 135-146                                 |
| Cattle feed, prices . . . . .   | 319, 323                        | Cost of living and food prices indexes . . . . .                           | 329-335                                 |
| Cauliflower . . . . .   | 636                             | Department stores, sales indexes . . . . .                                 | 311                                     |
| Calery . . . . .  | 636                             | Facilities caused by motor vehicles . . . . .                              | 373                                     |
| Cement:   |                                 | Finance and banking . . . . .  | 229-236, 279-286                        |
| Summary . . . . .   | 742, 743                        | Fire losses . . . . .  | 298, 359                                |
| Apparent consumption . . . . .  | 742                             | Manufactures . . . . .   | 773, 779                                |
| Foreign trade . . . . .   | 497, 540, 742                   | Prices (coal, electricity, gas) . . . . .                                  | 264, 722, 734, 735                      |
| Manufacture . . . . .   | 768                             | Population . . . . .   | 43-47                                   |
| Prices . . . . .  | 319, 323                        | Postal service . . . . .   | 347                                     |
| Production . . . . .  | 711, 742, 743                   | Vital statistics . . . . .   | 51, 64, 65, 66, 69                      |
| Stocks . . . . .  | 742                             | Citizens, naturalized and native-born, per-<br>manently departed . . . . . | 190                                     |
| Traffic movement . . . . .  | 401, 415                        | Citizenship of foreign-born persons of voting<br>age . . . . .             | 25                                      |
| Central American States ( <i>see also each State</i> ),<br>trade with United States . . . . . | 429, 462, 468, 720              | Civil service:   |   |
| Cereals ( <i>see also individual cereals</i> ) . . . . .                                      | 572,<br>576, 633, 634, 636      | Classified service—Examinations, etc. . . . .                              | 135, 139                                |
| Certificates of indebtedness . . . . .  | 202, 204, 206, 242              | Retirement . . . . .   | 157, 167, 172                           |
| Ceylon . . . . .  | 377, 430, 464, 468              | Claims . . . . .   | 682, 702, 708                           |
| Chain stores, sales indexes . . . . .   | 310                             | Clay . . . . .   | 433, 498, 541, 707, 711                 |
| Chalk . . . . .   | 499, 542                        | Clay and products . . . . .  | 479, 498, 541, 555                      |
| Charcoal . . . . .  | 540, 767                        | Clay products . . . . .  | 433, 498, 541, 711, 744, 745, 768       |
| Charities, hospitals, and corrections . . . . .   | 215, 223, 232                   | Persons employed in industry . . . . .                                     | 51, 52, 768                             |
| Chauffeurs . . . . .  | 54, 338, 340                    | Cleaning and polishing preparations . . . . .                              | 706                                     |
| Cheese:   |                                 | Clearing houses, transactions . . . . .                                    | 273-282                                 |
| Summary . . . . .   | 620, 623                        | Clearing operations of Federal reserve banks . . . . .                     | 282                                     |
| Cold-storage holdings . . . . .   | 623, 627                        | Clerical occupations, persons engaged . . . . .                            | 45, 57-59                               |
| Foreign trade . . . . .   | 481, 519, 554                   | Climatic conditions at specified stations . . . . .                        | 135-146                                 |
| Prices . . . . .  | 321, 329, 330, 332, 618, 623    | Clocks and clock materials . . . . .                                       | 51, 53, 479, 517, 531, 779              |
| Production . . . . .  | 620, 622, 623, 630, 754         | Clothing, etc., value as national wealth . . . . .                         | 267                                     |
| Receipts at leading markets . . . . .   | 623                             | Clothing stores, sales indexes . . . . .                                   | 319, 311                                |
| Traffic movement . . . . .  | 400                             |  |   |

[For reference to items not shown in index, see note, p. 819]

|   | Page                              |   | Page  |
|---|-----------------------------------|---|---|
| <b>Cloths and clothing:</b>                                       |                                   | <b>Concrete products</b> .....  | 768   |
| Foreign trade.....  | 490-493, 532-537, 554, 555        | <b>Condensed milk</b> .....   | 51, 481, 519, 622, 630, 754                         |
| Manufacture.....  | 51-53, 756-758, 786-788           | <b>Confectionery</b> .....  | 487, 528, 755                                       |
| Prices.....   | 318, 319, 322, 324, 326           | <b>Congressional representation, by States</b> .....                    | 162   |
| Traffic movement.....   | 415                               | <b>Construction corporations tax returns</b> .....                      | 189-192,<br>197-200                                 |
| <b>Clover seed</b> .....  | 489, 530, 572, 576, 661, 678      | <b>Construction cost index</b> .....                                    | 809   |
| <b>Coal:</b>  |                                   | <b>Construction work, use of explosives</b> .....                       | 803   |
| Summary.....  | 729                               | <b>Consumers' goods, prices</b> .....                                   | 324   |
| Average tonnage per man.....                                      | 730                               | <b>Consumption (see also individual commodities), imports for</b> ..... | 443, 451, 555-557                                   |
| Bunker, laden on vessels.....                                     | 730                               | <b>Continents, trade by</b> .....                                       | 456-458, 460-468, 553                               |
| Consumption.....  | 362, 404, 734                     | <b>Cooperage</b> .....  | 495, 693, 762                                       |
| Foreign trade.....  | 433, 434, 475, 479, 497, 540, 730 | <b>Copper:</b>  |   |
| Prices.....   | 319, 322, 331, 332, 730-732       | Summary.....  | 708, 722  |
| Production.....   | 708, 711, 729                     | Consumption.....  | 722   |
| Traffic movement.....   | 401, 402, 414, 415                | Foreign trade.....  | 503, 544, 555, 722, 723                             |
| <b>Coal-land entries, etc.</b> .....                              | 125, 128, 129                     | Manufacture.....  | 51, 53, 725, 769                                    |
| <b>Coal mines:</b>  |                                   | Prices.....   | 322, 331, 705                                       |
| Summary.....  | 708                               | Production.....   | 708, 710, 722, 723                                  |
| Accidents and fatalities.....                                     | 746-748                           | Traffic movement.....   | 414   |
| Explosives used.....  | 803                               | <b>Copper and manufactures of</b> .....                                 | 433,<br>434, 475, 477, 503, 544                     |
| Labor strikes.....  | 731                               | <b>Copper-lead and copper-lead-zinc ore</b> .....                       | 710   |
| Men employed, days worked, etc.....                               | 707,<br>708, 730, 746, 748        | <b>Copper, tin, and sheet-iron works</b> .....                          | 770   |
| Size, by value of products.....                                   | 707                               | <b>Coppersmiths and tinsmiths</b> .....                                 | 54  |
| Wages and hours of labor.....                                     | 336, 707                          | <b>Copra (see also Coconut)</b> .....                                   | 330, 529, 554                                       |
| <b>Coal-tar products</b> .....                                    | 479, 512, 547, 555, 791           | <b>Cordage and twine</b> .....  | 490, 491, 533, 534, 757, 788                        |
| <b>Coast Guard Service</b> .....                                  | 170, 424                          | <b>Cork</b> .....   | 479, 496, 539, 762                                  |
| <b>Cobalt</b> .....   | 545                               | <b>Corn:</b>  |   |
| <b>Cocoa and cacao beans (see also Chocolate and cocoa)</b> ..... | 330, 433, 487, 527, 554, 683      | Summary.....  | 658   |
| <b>Cocoa butter</b> .....   | 487, 527, 683                     | By States.....  | 642   |
| <b>Cocoa, coffee, and tea, foreign trade</b> .....                | 478                               | Acreage production and value.....                                       | 572,<br>576, 632-634, 636, 642, 658                 |
| <b>Coconuts</b> .....   | 433, 526, 635                     | Foreign trade.....  | 433, 484, 524, 554, 677                             |
| <b>Cod and mackerel fisheries, vessels employed</b> .....         | 417                               | Manufacture.....  | 682, 683  |
| <b>Cod-liver oil</b> .....  | 523                               | Prices.....   | 321, 332, 643, 658, 678, 679                        |
| <b>Coffee:</b>  |                                   | Receipts at ports and markets.....                                      | 679, 680  |
| Summary.....  | 673                               | Supply.....   | 676   |
| Foreign trade.....  | 433, 476, 487, 527, 554, 609, 673 | Traffic movement.....   | 400   |
| Prices.....   | 321, 329, 330, 673                | <b>Corn meal</b> .....  | 329, 484, 679, 682                                  |
| <b>Coffins, undertakers' goods, etc.</b> .....                    | 762                               | <b>Corn sirup (glucose) and starch</b> ....                             | 487, 489, 683, 755                                  |
| <b>Coinage of mints</b> .....                                     | 237                               | <b>Corporations:</b>  |   |
| <b>Coke:</b>  |                                   | Assets and liabilities of.....  | 199, 200  |
| Summary.....  | 733                               | Capital issues.....   | 308, 309  |
| Foreign trade.....  | 433, 475, 497, 540, 733           | Capital-stock tax.....  | 175, 177, 199, 200                                  |
| Manufacture.....  | 766                               | Dividend and interest payments.....                                     | 190, 307  |
| Prices.....   | 319, 322                          | Income-tax.....   | 175, 176, 188-198                                   |
| Production.....   | 711, 733, 734, 739, 740           | <b>Corrections. See Charities, etc.</b>                                 |   |
| Traffic movement.....   | 401, 402, 415                     | <b>Corsets</b> .....  | 493, 758  |
| <b>Coke-oven by-products</b> .....                                | 791                               | <b>Cost of living, index numbers</b> .....                              | 324, 326, 327                                       |
| <b>Coke ovens, men employed, accidents, etc.</b> .....            | 746-748                           | <b>Cost payments. See Governmental cost payments.</b>                   |   |
| <b>Cold-storage holdings</b> .....                                | 623, 626, 627                     | <b>Costa Rica, trade with United States</b> .....                       | 429, 462  |
| <b>Collars and cuffs, men's</b> .....                             | 491, 758                          | <b>Cotton:</b>  |   |
| <b>Collateral. See Security, etc.</b>                             |                                   | Summary.....  | 632, 633, 672                                       |
| <b>Colleges</b> .....   | 104, 111-117                      | By States.....  | 638-641   |
| <b>Colombia</b> .....   | 291, 377, 430, 462, 468, 720      | Acreage, production, and value.....                                     | 572,<br>576, 632, 633, 635, 638, 660, 672           |
| <b>Combs and hairpins</b> .....                                   | 774                               | Consumption by mills.....   | 672, 801, 802                                       |
| <b>Commerce:</b>  |                                   | Foreign trade.....  | 433, 475, 478,<br>490, 531, 554, 608, 609, 672, 673 |
| Foreign. See Foreign trade.                                       |                                   | Prices.....   | 321, 330, 332, 638, 660, 672, 678                   |
| Intercoastal.....   | 426                               | Stocks in consuming establishments.....                                 | 801   |
| Internal water borne.....   | 413-416, 426                      | Traffic movement.....   | 400   |
| With noncontiguous territories..                                  | 426, 444, 559-565                 |   |   |
| Traffic through Panama Canal.....                                 | 425, 426                          |   |   |
| <b>Commercial failures</b> .....                                  | 312-315                           |   |   |
| <b>Commercial schools</b> .....                                   | 104, 118                          |   |   |
| <b>Concrete mixers</b> .....                                      | 507, 794                          |   |   |

[For references to items not shown in index, see note, p. 824]

|  | Page                                  |   | Page                                   |
|--|---------------------------------------|---|--|
| <b>Cotton manufacture:</b>   |                                       | <b>Dates</b> .....  | 822, 824                               |
| Summary.....   | 755, 756                              | <b>Deaf-mutes</b> .....                                     | 68-69                                  |
| Consumption of cotton.....   | 672, 681, 682                         | <b>Deaf, schools for</b> .....                              | 120, 120                               |
| Cotton-goods industry.....   | 755, 756                              | <b>Death and death rates. See under Vital statistics.</b>   |  |
| Foreign trade in products.....                                       | 433, 475, 476, 478, 490, 532, 554     | <b>Death registration area</b> .....                        | 77                                     |
| Prices of products.....  | 319, 322                              | <b>Debits to individual accounts</b> .....                  | 200-205                                |
| Spindles and spindle-hours.....                                      | 601, 602                              | <b>Debts due from foreign governments</b> .....             | 200-211                                |
| <b>Cottonseed:</b>   |                                       | <b>Debts of Government organizations. See Public debt.</b>  |  |
| Summary.....   | 600                                   | <b>Decorating, china</b> .....                              | 703                                    |
| By States.....   | 633-641                               | <b>Deficit or surplus of United States Government</b> ..... | 203                                    |
| Consumption by mills.....  | 671                                   | <b>Denmark</b> .....  | 204, 277, 420, 420                     |
| Foreign trade.....   | 520                                   | Trade with United States.....                               | 420, 420, 420                          |
| Prices.....  | 633, 650, 678                         | <b>Density of population</b> .....                          | 2, 9                                   |
| Production.....  | 572, 635, 638, 660, 671               | <b>Dental goods</b> .....                                   | 515, 520, 774                          |
| Cottonseed and products, traffic movement..                          | 400                                   | <b>Department stores, sales index</b> .....                 | 211                                    |
| <b>Cottonseed products:</b>  |                                       | <b>Depositors, savings banks</b> .....                      | 202, 203-205                           |
| Summary.....   | 671                                   | <b>Deposits:</b>  |  |
| Foreign trade.....   | 485, 488, 571                         | Federal reserve banks.....                                  | 241                                    |
| Manufacture.....   | 671, 767                              | Federal reserve member banks.....                           | 203-205                                |
| Prices.....  | 321, 322, 322, 671                    | Loan and trust companies.....                               | 202, 205                               |
| Production.....  | 671                                   | National banks.....   | 203-205, 204, 205                      |
| <b>Cows for breeding (see also Dairy cows)</b> .....                 | 480                                   | Postal Savings System.....                                  | 200                                    |
| <b>Crabs</b> .....   | 520, 702, 703                         | Private banks.....  | 202, 205                               |
| <b>Cranberries</b> .....   | 625, 626                              | Savings, all banks.....                                     | 204-205, 271                           |
| <b>Cranes</b> .....  | 735                                   | Savings banks.....  | 202, 205, 205, 205                     |
| <b>Cream sold on farms</b> .....                                     | 420                                   | State banks.....  | 203, 205, 205                          |
| <b>Crops (see also individual crops and Farm products):</b>          |                                       | <b>Desert land entries, etc.</b> .....                      | 125, 125, 126                          |
| Summary.....   | 605, 631                              | <b>Diamonds</b> .....                                       | 521                                    |
| Acreage production and value, all crops....                          | 604                                   | <b>Diatomite and tripoli, production</b> .....              | 711                                    |
| Aggregate and hypothetical value, by States.....                     | 637                                   | <b>Disabled persons, vocational rehabilitation</b> .....    | 124, 156                               |
| Change in value due to change in production and to lower prices..... | 633                                   | <b>Disasters to vessels</b> .....                           | 422                                    |
| Fed to livestock.....  | 605                                   | <b>Disbursements. See Expenditures.</b>                     |  |
| Indexes of production and yield.....                                 | 631                                   | <b>Discount operations of Federal reserve banks</b> .....   | 242, 243, 245-247                      |
| On irrigated lands.....  | 571, 572, 576, 577                    | <b>Diseases, deaths from</b> .....                          | 82, 87                                 |
| Orchard.....   | 572, 576, 635, 664, 665               | <b>Dividend payments</b> .....                              | 190, 251, 264, 307                     |
| Percentage of acreage occupied by principal.....                     | 636                                   | <b>Divorced persons</b> .....                               | 21-26, 42                              |
| Prices.....  | 678                                   | <b>Divorces and annulments</b> .....                        | 89, 90                                 |
| Truck.....   | 572, 626                              | <b>Domestic and personal service</b> .....                  | 49, 57-59                              |
| Value per acre of 10 leading.....                                    | 631                                   | <b>Domestic service corporations, tax returns</b> .....     | 200                                    |
| <b>Crucibles</b> .....   | 498, 768                              | <b>Dominican Republic</b> .....                             | 377, 429, 462, 720                     |
| <b>Crude materials</b> .....   | 324, 452-454, 459-461, 815            | <b>Drainage enterprises</b> .....                           | 577-579                                |
| <b>Cuba</b> .....  | 209, 210, 291, 377, 553               | <b>Drainage of farm lands</b> .....                         | 577-579                                |
| Trade with United States....   | 420, 462, 468, 552, 720               | <b>Dressmakers and seamstresses</b> .....                   | 50                                     |
| <b>Cucumbers, acreage and production</b> .....                       | 636                                   | <b>Druggists' preparations</b> .....                        | 766                                    |
| <b>Currents</b> .....  | 526, 635                              | <b>Drugs</b> .....  | 310, 311, 319, 478, 498, 529           |
| <b>Currency circulation</b> .....                                    | 230                                   | <b>Drug-store chains, sales index</b> .....                 | 310                                    |
| <b>Customs area of the United States</b> .....                       | 3                                     | <b>Drums, tanks, and barrels, steel</b> .....               | 543, 760                               |
| <b>Customs districts</b> .....                                       | 435, 469-473, 553                     | <b>Ducks</b> .....  | 624                                    |
| <b>Customs revenue</b> .....   | 164, 166, 172, 443, 451, 469, 555     | <b>Dun's wholesale price index</b> .....                    | 324                                    |
| <b>Customs service, expenditures for</b> .....                       | 170                                   | <b>Dutiable merchandise imports</b> .....                   | 443, 447, 449, 451                     |
| <b>Cutlery and edge tools</b> .....                                  | 501, 543, 761                         | By countries.....   | 468                                    |
| <b>Czechoslovakia</b> .....  | 209, 210, 291, 377                    | By degree of manufacture.....                               | 454                                    |
| Trade with United States.....  | 464, 468                              | By tariff schedules.....                                    | 555-557                                |
| <b>Dairy cows</b> .....  | 611, 613, 614, 617                    | <b>Duties collected on imports. See Customs revenue.</b>    |  |
| <b>Dairy products (see also individual products)</b> ..              | 319, 415, 478, 481, 519, 554, 620-623 | <b>Dwellings, families, and homes</b> .....                 | 30, 31, 42                             |
| <b>Dairymen's supplies</b> .....                                     | 774                                   | <b>Dyeing and finishing textiles</b> .....                  | 757                                    |
| <b>Dance-hall keepers. See Billiard rooms, etc.</b>                  |                                       | <b>Dyestuffs, etc.:</b>                                     |  |
| <b>Danzig</b> .....  | 377, 419, 429                         | Foreign trade....   | 433, 478, 489, 513, 530, 547, 554, 555 |
|  |                                       | Manufacture.....  | 766, 791, 792                          |

[For reference to items not shown in index, see note, p. 819]

|  | Page                        |   | Page                                  |
|--|-----------------------------|---|---------------------------------------|
| Earths and minerals, ground, etc.....                | 769                         | Employees—Continued.                                  |                                       |
| East Indies ( <i>see also</i> British and Netherland |                             | Each gainful occupation.....                          | 49-59                                 |
| East Indies.....                                     | 430                         | Electrical industry.....                              | 50, 359                               |
| Ecuador, trade with United States.....               | 430,                        | Manufactures ( <i>see also</i> Wage earners, man-     |                                       |
|  | 462, 468, 720               | ufactures).....                                       | 50, 749                               |
| Education:   |                             | Mines, quarries, coke ovens, etc.....                 | 50,                                   |
| Summary of school and college enrollment..           | 104                         |   | 706-708, 746, 748                     |
| Commercial schools.....                              | 104, 118                    | Railways.....   | 54, 385-387                           |
| Elementary and secondary schools.....                | 103-110                     | Telegraph systems.....                                | 54, 355, 357                          |
| Expenditures for, by State and city govern-          |                             | Telephone systems.....                                | 54, 351, 354                          |
| ments.....   | 215, 223, 224, 232          | Employment indexes.....                               | 341                                   |
| High schools and academies.....                      | 104, 109                    | Enameling industry ( <i>see also</i> Stamped ware)..  | 51,                                   |
| Land grants for educational purposes.....            | 131                         |   | 53, 774                               |
| Libraries.....                                       | 117                         | Foreign trade in products.....                        | 501, 543                              |
| Normal schools and teachers' colleges.....           | 104,                        | Engines (steam and internal combustion) and           |                                       |
|  | 111-113                     | water wheels:   |                                       |
| Nurse training schools.....                          | 118                         | Foreign trade.....                                    | 507, 546                              |
| Private and parochial schools.....                   | 104,                        | Manufacture.....                                      | 771, 794, 795                         |
|  | 109, 111, 113, 119, 120     | Other statistics.....                                 | 359, 360, 384, 751, 816               |
| Reform schools.....                                  | 118                         | England ( <i>see also</i> United Kingdom):            |                                       |
| Schools for the blind, the deaf, and the             |                             | Trade with United States.....                         | 429                                   |
| feeble-minded.....                                   | 119, 120                    | Prices.....   | 325, 327                              |
| Schools of outlying possessions... 105-110, 112-119  |                             | Engraving.....  | 765                                   |
| Summer schools.....                                  | 118                         | Envelopes.....  | 496, 764                              |
| Universities, colleges, and professional             |                             | Erie Canal, freight movement.....                     | 415                                   |
| schools.....   | 104, 114-117                | Estate tax.....                                       | 175, 176, 201                         |
| Vocational education.....                            | 120-123                     | Estonia.....  | 209, 210, 429, 464                    |
| Vocational rehabilitation.....                       | 124, 156                    | Ethiopia, trade with United States.....               | 466                                   |
| Educational corporations, tax returns.....           | 200                         | Europe, trade.....                                    | 456-458, 460, 461, 464, 468, 553, 673 |
| Eggplant, commercial crop.....                       | 636                         | Evaporated milk.....                                  | 481, 519, 622, 630, 754               |
| Eggs:  |                             | Excelsior, manufacture.....                           | 761                                   |
| Cold-storage holdings.....                           | 626, 627                    | Exchange rates.....                                   | 291-293                               |
| Foreign trade.....                                   | 481, 520, 521, 554          | Exchanges, clearing house.....                        | 278-282                               |
| Prices.....  | 321, 329, 332, 618, 626     | Executive Office, Government expenditures             |                                       |
| Production.....                                      | 620, 625                    | for.....  | 168, 172, 174                         |
| Receipts at principal markets.....                   | 626                         | Expeditionary forces, strength of.....                | 149                                   |
| Traffic movement.....                                | 400                         | Expenditures of States and cities. <i>See</i> Gov-    |                                       |
| Eggs and dairy products, exports.....                | 608, 609                    | ernment-cost payments.                                |                                       |
| Egypt.....   | 377, 429, 466, 468          | Expenditures of United States Government:             |                                       |
| Electoral vote, by parties and States.....           | 161                         | Summary.....  | 163                                   |
| Electric and gas light on farms.....                 | 602                         | By departure and establishments.....                  | 172                                   |
| Electric fixtures. <i>See</i> Gas, etc., fixtures.   |                             | By major classes.....                                 | 165                                   |
| Electric light and power:                            |                             | Details of, by departments.....                       | 168-171                               |
| Prices of electricity.....                           | 361, 364                    | Postal Service.....                                   | 343, 345                              |
| Public-utility plants.....                           | 359-364                     | Public debt.....                                      | 163, 171-173                          |
| Value of privately owned stations.....               | 287                         | Reclamation projects.....                             | 567-570                               |
| Electric light and power corporations, tax re-       |                             | Vocational education and rehabilitation...            |                                       |
| turns.....   | 198, 200                    | Explosives.....                                       | 123, 124                              |
| Electric motors in power plants and facto-           |                             | Exporters, importers, and wholesale dealers..         | 56                                    |
| ries.....  | 359, 751                    | Exports:  |                                       |
| Electric railways. <i>See</i> Railways, electric.    |                             | General tables. <i>See</i> Foreign trade.             |                                       |
| Electrical machinery, apparatus, and supplies:       |                             | Agricultural products.....                            | 608, 609                              |
| Foreign trade.....                                   | 479, 505, 546, 555          | By classes and individual commodities <sup>1</sup> .. | 480-518                               |
| Manufacture.....                                     | 52, 53, 771, 795-797        | Animals and animal products, edible....               | 480, 481                              |
| Electrodes.....                                      | 499, 797                    | Animals and animal products, inedible....             | 482-484                               |
| Electroplating.....                                  | 771                         | Vegetable food products and beverages... 484-487      |                                       |
| Elevated railways.....                               | 407, 409, 412               | Vegetable products, inedible, except flowers          |                                       |
| Emery.....   | 498, 542, 711, 768, 775     | and wood.....   | 487-489                               |
| Emmer and spelt ( <i>see also</i> Grain sorghums)..  | 634                         | Textiles.....   | 490-493                               |
| Employees:   |                             | Wood and paper.....                                   | 493-497                               |
| Civil service.....                                   | 153, 159                    | Nonmetallic minerals.....                             | 497-499                               |
| Coal mines.....                                      | 50, 707, 708, 730, 746, 748 | Metals and manufactures, except machinery             |                                       |
|  |                             | and vehicles.....                                     | 499-504                               |

<sup>1</sup> For important individual commodities see references thereto in index. For exports of commodities not indexed separately see reference to appropriate groups shown in italics.

*For a complete list of items not shown in this index, see page 827.*

| Exports—Continued.                                   | Page               |
|--|--------------------|
| By classes and individual commodities—               |                    |
| Continued.   |                    |
| Machinery and vehicles.....                          | 505-512            |
| Chemicals and related products.....                  | 512-515            |
| Miscellaneous.....                                   | 515-518            |
| By economic classes of commodities.....              | 452, 459, 461      |
| Foreign merchandise.....                             | 554, 555           |
| Gold and silver.....                                 | 443, 445, 446, 449 |
| Index numbers of quantities, prices, and values..... | 445                |
| Per capita.....                                      | 449                |
| Prices.....  | 512                |
| Principal commodities.....                           | 474, 475           |
| Reexports.....                                       | 554, 555           |
| Express companies.....                               | 405                |
| Express revenue of railways.....                     | 385                |

# Factories. See Manufactures.

## Failures:

|  |                   |
|--|-------------------|
| Bank.....  | 314, 315          |
| Commercial.....  | 312-313           |
| Falkland Islands, trade with United States.....            | 462               |
| Families.....  | 30, 31, 42        |
| Far East, trade with United States.....                    | 465               |
| Farm animals.....  | 611-620           |
| Farm labor, wages.....                                     | 600, 607          |
| Farm loan associations.....                                | 273               |
| Farm-loan bonds purchased by United States Government..... | 172               |
| Farm-loan capital issues.....                              | 305               |
| Farm-mortgage loans.....                                   | 261, 271-277      |
| Farm prices, index numbers.....                            | 317, 605          |
| Farm products (see also Crops and individual products)     |                   |
| Prices.....  | 317-321, 324, 613 |
| Value.....   | 605               |
| Farmers and farm laborers.....                             | 50                |

## Farms:

|   |                                       |
|---|---------------------------------------|
| Summary.....                                      | 581                                   |
| Acreage.....                                      | 581, 583, 584, 591, 593-597           |
| By color, etc., of operator.....                  | 590, 591, 595-597                     |
| Drainage.....                                     | 577-579                               |
| Expenditures for labor, fertilizer, and feed..... | 600, 601                              |
| Facilities reported on farms.....                 | 602, 603                              |
| Irrigation.....                                   | 573                                   |
| Labor.....  | 600, 607                              |
| Mortgage status and debt.....                     | 597-599                               |
| Number.....                                       | 581, 584, 589, 590, 592, 593, 595-597 |
| Population.....                                   | 581, 582                              |
| Size.....   | 589, 590, 591                         |
| Tenure.....                                       | 590-593, 597                          |
| Value of all products.....                        | 605                                   |
| Value of crops.....                               | 605, 631, 633, 634, 637               |
| Value of farm property.....                       | 581, 586-588                          |
| Value of livestock products.....                  | 605, 620                              |

## Fatalities. See Accidents and fatalities.

## Fats. See Oils, animals, etc., and also Lard

|   |                     |
|---|---------------------|
| Feathers and plumes.....                | 484, 524, 774       |
| Federal aid for public roads.....       | 368, 370, 372       |
| Federal estate tax.....                 | 175, 176, 201       |
| Federal intermediate credit banks.....  | 276, 277            |
| Federal land banks.....                 | 271, 273            |
| Federal reserve banks. See under Banks. |                     |
| Feeble-minded persons.....              | 63, 66-70, 119, 120 |

## Feed:

|                                 |                         |
|---------------------------------|-------------------------|
| Expenditures for, on farms..... | 604                     |
| Foreign trade.....              | 475, 485, 525, 699      |
| Manufacture.....                | 682, 693                |
| Prices.....                     | 319, 323                |
| Feldspar production.....        | 709, 711                |
| Felt goods.....                 | 492, 493, 537, 756, 797 |
| Fermented liquors.....          | 175, 176, 523, 767, 694 |
| Ferro-alloys.....               | 479, 502, 514, 719      |

## Fertilizers:

|                               |                    |
|-------------------------------|--------------------|
| Amounts sold.....             | 641                |
| By-products of fisheries..... | 799                |
| Farm expenditures for.....    | 600                |
| Foreign trade.....            | 479, 514, 549, 695 |
| Manufacture.....              | 51, 52, 704, 795   |
| Prices.....                   | 319, 323           |
| Traffic movement.....         | 401, 413           |

## Fidelity insurance

|             |          |
|-------------|----------|
| Figs.....   | 523, 695 |
| Files.....  | 502, 761 |
| Filers..... | 795      |

## Finance (see also Banks)

|  |                  |
|--|------------------|
| Exchange and interest rates.....             | 291-295          |
| Insurance.....                               | 295-297          |
| National Government.....                     | 163-211, 699     |
| State, municipal, and local governments..... | 213-236          |
| United States Shipping Board.....            | 166, 172, 427    |
| War Finance Corporation.....                 | 158, 172, 277    |
| Financial institutions, tax returns.....     | 189-192, 197-200 |

## Finland. See World statistics.

|                               |                    |
|-------------------------------|--------------------|
| Trade with United States..... | 429, 494           |
| Firearms.....                 | 479, 517, 530, 799 |
| Fire-clay products.....       | 495, 744, 745, 798 |
| Fire extinguishers.....       | 518, 770           |
| Fire insurance.....           | 295-299            |
| Fires.....                    | 308, 299           |
| Fireworks.....                | 517, 549, 765      |

## Fish:

|                             |                         |
|-----------------------------|-------------------------|
| Canning and preserving..... | 682, 702, 703, 754      |
| Cold-storage holdings.....  | 637                     |
| Foreign trade.....          | 433, 478, 481, 520, 554 |
| Prices.....                 | 330, 703                |
| Products of fisheries.....  | 697-704                 |

## Fish oils. See under Oils.

|  |               |
|--|---------------|
| Fisheries.....                                   | 417, 697-704  |
| Fishermen and oystermen.....                     | 50, 700       |
| Fiume. See Yugoslavia.                           |               |
| Five-and-ten-cent store chains, sales index..... | 310           |
| Fixtures. See Gas, etc., fixtures.               |               |
| Flags and banners.....                           | 758           |
| Flavoring extracts, sirups and bitters.....      | 487, 755      |
| Flax.....  | 330, 533, 757 |
| Flax, hemp, and ramie manufactures.....          | 473, 491, 513 |

## Flaxseed

|                             |                              |
|-----------------------------|------------------------------|
| Summary.....                | 669, 683                     |
| Acreage and production..... | 572, 623, 634, 650, 663      |
| Foreign trade.....          | 529, 677                     |
| Prices.....                 | 321, 330, 659, 663, 673, 679 |

## Floor coverings, felt-base

|  |     |
|--|-----|
| Flooring, composition, and wall plaster..... | 799 |
|--|-----|

## Flour

|                    |                    |
|--------------------|--------------------|
| Foreign trade..... | 433, 484, 524, 677 |
| Freight rates..... | 631                |
| Manufacture.....   | 682, 755           |
| Prices.....        | 321, 330, 332      |

[For reference to items not shown in index, see note, p. 819]

|  | Page                         |   | Page   |
|--|------------------------------|---|--|
| <b>Flour—Continued.</b>                                |                              | <b>Forests.</b>                                   | 685-688  |
| Traffic movement                                       | 400, 414                     | Foundries and machine shops                       | 335, 771                                       |
| Receipts at Atlantic ports                             | 679                          | Fowls. <i>See</i> Poultry.                        |  |
| Flour and grain mills                                  | 51, 53, 682, 755             | Frames, mirror and picture                        | 762  |
| Flowers, artificial                                    | 773                          | France ( <i>see</i> World statistics), trade with |  |
| Fluorspar  | 708, 711                     | United States                                     | 429, 464, 468, 553, 673, 720                   |
| Fodder and feed ( <i>see also</i> Feed)                | 478, 485, 525                | Fraternal orders, insurance                       | 305  |
| Foils, tin and other                                   | 770, 771                     | Free merchandise imports                          | 443, 447, 449, 451, 454, 468                   |
| Food, infants  | 481                          | Freight carried by steam railroads                | 390, 391, 399-402                              |
| Food products industry:                                |                              | Freight handlers, union wages and hours of        |  |
| Summary  | 752                          | labor   | 338, 340                                       |
| Employment and pay-roll indexes                        | 341                          | Freight rates:                                    |  |
| Persons employed                                       | 51, 53, 752, 754             | On agricultural products                          | 606  |
| Production index                                       | 785                          | On grain, flour, and provisions                   | 681  |
| Tax returns  | 189, 190, 192, 196, 198-200  | On wheat  | 680, 681                                       |
| Foodstuffs ( <i>see also</i> individual commodities):  |                              | Via Sault Ste. Marie Canals                       | 414  |
| Foreign trade  | 452-455, 459-461             | French Africa, trade with United States           | 466  |
| Manufacture  | 630, 682, 752, 754           | French Guiana, trade with United States           | 430, 462                                       |
| Prices   | 317-321, 324, 326-329, 813   | French Indo-China                                 | 377, 430, 466                                  |
| Forage, acreage and production                         | 572, 576, 633, 634, 636      | French Morocco                                    | 377  |
| Foreign exchange rates                                 | 291-293                      | French Oceania, trade with United States          | 466  |
| Foreign governments:                                   |                              | French West Indies, trade with United             |  |
| Capital issues in United States                        | 308                          | States  | 462  |
| Obligations of, purchased by United States             |                              | Fruit juices                                      | 487, 528                                       |
| Government   | 172                          | Fruits. ( <i>See also</i> Fruits and nuts):       |  |
| Obligations to United States Govern-                   |                              | Summary of production                             | 635  |
| ment   | 166, 209-211                 | Acreage and production                            | 572, 576, 633, 635, 664, 665                   |
| Foreign mails, weight                                  | 346                          | Canning and preserving                            | 682, 754                                       |
| Foreign trade:   |                              | Foreign trade                                     | 433, 486, 525, 526, 554, 609                   |
| Summary  | 413, 426, 443, 444, 447-450  | Prices  | 321, 665                                       |
| Agricultural products                                  | 608, 609                     | Traffic movement                                  | 400  |
| By coastal districts                                   | 427, 428, 431-433            | Fruits and nuts                                   | 433, 474, 476, 478, 486, 525, 572              |
| By commercial regions and countries                    | 429, 462-467                 | Fuel ( <i>see also</i> individual classes):       |  |
| By commodity groups and articles                       | 480-552, 554                 | Annual supply of energy from                      | 817  |
| By commodity groups and subgroups                      | 478                          | Consumption                                       | 362, 404                                       |
| By continents  | 456-458, 460-468             | Manufacture                                       | 774  |
| By countries   | 429, 462-468                 | Fuel and lighting, prices                         | 318-320, 322, 324, 326, 813                    |
| By customs districts                                   | 469-473                      | Fuel oil  | 322, 362, 404, 497, 540, 739-741               |
| By economic classes of commodities                     | 452-455, 459-461             | Fuel or bunker coal laden on vessels              | 730  |
| By individual commodities—                             |                              | Fuel or bunker oil laden on vessels               | 737  |
| Exports. <i>See</i> Exports.                           |                              | Fuller's earth, production                        | 708, 711                                       |
| Imports. <i>See</i> Imports.                           |                              | Fur goods   | 476, 478, 483, 523, 774                        |
| By major commodities and coastal districts             | 433                          | Furnaces, blast ( <i>see also</i> Stoves, etc.)   | 714, 715                                       |
| By method of carriage                                  | 440, 441                     | Furnishing goods, men's                           | 757  |
| By months  | 446                          | Furniture   | 51, 53, 319, 323, 401, 415, 495, 501, 538, 762 |
| By nationality of carrier                              | 427, 428, 440, 441           | Furniture and furnishings, prices                 | 318-320, 323, 324, 326, 813                    |
| By States and ports                                    | 431                          | Furniture, carriages, etc., value as national     |  |
| By trade regions                                       | 428-430                      | wealth  | 287  |
| Continental United States                              | 426, 444                     | Furs and manufactures                             | 476, 478, 483, 523, 554, 774                   |
| Great Lakes traffic                                    | 413                          | Gadsden Purchase, area and date of accession      | 1  |
| Imports for consumption                                | 443, 451, 555                | Galvanizing industry                              | 760  |
| Imports, free and dutiable                             | 443, 447, 449, 451, 454, 468 | Games and toys                                    | 516, 550, 776                                  |
| In transit and transshipment trade                     | 553                          | Garage keepers and managers                       | 54   |
| Index numbers of quantity, price, and                  |                              | Garnet (abrasive), production                     | 711  |
| value  | 445                          | Garters, suspenders, etc.                         | 493, 758                                       |
| Of noncontiguous territories                           | 426, 444, 559-565            | Gas:  |  |
| Vessels engaged in                                     | 417, 418                     | Manufactured                                      | 52, 53, 319, 322, 734, 735, 766                |
| Foreign white stock, by mother tongue                  | 34                           | Natural   | 711, 734, 735, 736                             |
| Foreign-born population                                | 32-39                        | Gas and electric fixtures                         | 770  |
| Forest products ( <i>see also</i> individual products) | 605, 685, 686, 688-695       | Gas and electric light on farms                   | 602  |
| Foreign trade  | 608                          | Gas and fuel oil                                  | 497, 739-741                                   |
| Traffic movement                                       | 399, 401, 402                | Gas consumption in electric plants                | 362  |
|  |                              | Gas machines and gas and water meters             | 510, 771, 795                                  |



*For references to items not shown in index, see note, p. 810*

|   | Page                                 |  | Page                                  |
|---|--------------------------------------|--|---------------------------------------|
| Gases, compressed and liquefied.....                | 791                                  | Great Lakes:                                     |                                       |
| Gasoline:   |                                      | Commerce of ports.....                           | 412, 422, 427, 432, 433               |
| Casing-head.....                                    | 739                                  | Vessels engaged in commerce.....                 | 417                                   |
| Natural-gas.....                                    | 711, 736, 738, 749                   | Greece.....                                      | 209, 210, 291, 377, 429               |
| Refined.....  | 322, 332, 497, 540, 739-741          | Trade with United States.....                    | 329, 404, 426                         |
| Gasoline taxes.....                                 | 374                                  | Greenland, trade with United States.....         | 429, 432                              |
| Geese.....  | 624                                  | Grindstones.....                                 | 492, 711, 769                         |
| Gelatin (see also Glue).....                        | 481, 521, 524                        | Groceries (see also individual commodities)..... |                                       |
| Gems and precious stones.....                       | 498, 541, 711                        | Grocery, sales index.....                        | 319, 321                              |
| General merchandise, traffic movement.....          | 414, 415                             | Guam.....  | 1, 2, 105-108, 342, 349, 359          |
| Georgia, Republic of, trade with United States..... | 429                                  | Guatemala.....                                   | 377, 429, 432                         |
| Germany (see also World statistics), trade          |                                      | Guiana, trade with United States.....            | 424, 429                              |
| with United States.....                             | 429, 464, 503, 523, 673, 720         | Guinea fowls.....                                | 624                                   |
| Gibraltar, trade with United States.....            | 464                                  | Gulf Coast district.....                         | 426-428, 431, 432, 435, 492, 470, 523 |
| Glass.....  | 51, 52, 323, 479, 498, 540, 744, 769 | Gums, resins, etc.....                           | 474, 478, 498, 523, 554, 695, 722     |
| Glass sand, production.....                         | 712                                  | Gypsum.....                                      | 432, 499, 542, 702, 711               |
| Gloves.....   | 483, 487, 491, 522, 542, 763, 787    | Hair and manufactures.....                       | 478, 492, 523, 525                    |
| Glucose. See Corn syrup.                            |                                      | Haircloth.....                                   | 757                                   |
| Glue.....   | 484, 524, 769                        | Hairwork.....                                    | 774                                   |
| Glycerin.....                                       | 512, 543, 793                        | Haiti.....                                       | 377, 429, 432                         |
| Goats.....  | 611, 614, 619, 698                   | Hammocks.....                                    | 758                                   |
| Gold:   |                                      | Hams.....  | 321, 499, 612                         |
| Coin and bullion in the United States.....          | 238                                  | Harbors. See Waterways, etc.                     |                                       |
| Coinage of mints.....                               | 237                                  | Hardware.....                                    | 332, 709                              |
| Marked for foreign account.....                     | 239                                  | Harness and saddles.....                         | 51, 52, 492, 703                      |
| Exports and imports.....                            | 442, 445, 448, 449, 545              | Hats and hat materials:                          |                                       |
| For use in manufactures and the arts.....           | 728                                  | Foreign trade.....                               | 478, 492, 499, 524, 527, 554          |
| Leaf and foil.....                                  | 770                                  | Manufacture.....                                 | 51, 52, 784, 785, 774, 782            |
| Produced from mines.....                            | 708, 710, 727                        | Hawaii:  |                                       |
| Ratio of silver to.....                             | 728                                  | Acquisition and organization.....                | 1                                     |
| Reducing and refining.....                          | 769                                  | Area and population.....                         | 1, 3                                  |
| Value of, in terms of money and as national         |                                      | Cane and cane-sugar production.....              | 693, 699                              |
| wealth.....   | 287, 289, 727                        | Educational statistics.....                      | 105-110, 112-115, 117, 118            |
| Gold Coast, trade with United States.....           | 430                                  | Finance and taxation.....                        | 178,                                  |
| Gold funds, settlement and Federal reserve          |                                      | 183-188, 193-195, 257, 260-262, 269              |                                       |
| agents'.....  | 248, 249                             | Motor-vehicle registration.....                  | 377                                   |
| Goldsmiths and silversmiths.....                    | 50, 51, 53                           | Trade.....                                       | 469, 500, 563, 564                    |
| Government cost payments:                           |                                      | Other statistics.....                            | 132, 348, 349, 382, 703               |
| Of cities.....                                      | 223-235                              | Hay:   |                                       |
| Of States.....                                      | 215, 216                             | Summary.....                                     | 642                                   |
| Government departments.....                         | 158, 168-172, 174                    | By States.....                                   | 656, 657                              |
| Gozo, Malta, and Cyprus Islands.....                | 464                                  | Acreage and production.....                      | 572, 676, 633, 634, 662               |
| Grain (see also Individual classes):                |                                      | Foreign trade.....                               | 485, 525                              |
| Foreign trade.....                                  | 433, 484, 524, 554, 608, 609         | Prices.....                                      | 321, 656, 657, 662, 678               |
| Freight rates.....                                  | 681                                  | Traffic movement.....                            | 400, 415                              |
| Manufacture.....                                    | 682, 683                             | Heading.....                                     | 495, 693                              |
| Prices.....   | 319                                  | Health and sanitation.....                       | 215, 223, 224, 232                    |
| Receipts at ports.....                              | 679                                  | Health insurance.....                            | 307                                   |
| Traffic movement.....                               | 402, 414, 415                        | Hemp.....  | 331, 533, 554, 757                    |
| Grain corporation.....                              | 172                                  | Hemp, flax, and ramie.....                       | 478, 491, 533, 554                    |
| Grain sorghums (kaffir, milo, etc.).....            | 572,                                 | Hens, prices.....                                | 329                                   |
| 576, 633, 634, 661, 663, 679                        |                                      | Hides and skins:                                 |                                       |
| Granite.....  | 708, 743                             | Foreign trade.....                               | 476, 478, 482, 521, 554, 609          |
| Grape sugar.....                                    | 487                                  | Manufacture.....                                 | 630                                   |
| Grapefruit.....                                     | 486, 525, 635                        | Prices.....                                      | 319, 322, 330                         |
| Grapes.....   | 486, 526, 576, 635                   | Hides and leather products.....                  | 320, 322, 400, 415, 433, 813          |
| Graphite.....                                       | 499, 542, 708, 711, 769              | Highways. See Public roads.                      |                                       |
| Grass seed.....                                     | 489, 530, 576                        | Hogs. See Swine.                                 |                                       |
| Gravity railways.....                               | 406                                  | Home economics, vocational training in... ..     | 120-123                               |
| Grazing, stock, in national forests.....            | 688                                  | Homes.....                                       | 30, 31, 42                            |
| Grease and tallow.....                              | 766                                  | Homestead entries.....                           | 125-127, 129                          |
| Grease, petroleum.....                              | 497, 739                             | Homicides.....                                   | 89                                    |
| Great Britain. See United Kingdom.                  |                                      | Honduras (see also British Honduras).....        | 429, 462                              |



[For reference to items not shown in index, see note, p. 819]

|  | Page  | Imports—Continued.  | Page                         |
|--|---|---|------------------------------|
| Hones and whetstones.....                                | 768   | By classes and individual commodities—                    |                              |
| Honey.....   | 487, 528, 620                                 | Continued.  |                              |
| Hong Kong.....   | 291, 466, 468, 720                            | <i>Vegetable food products and beverages</i> .....        | 524-528                      |
| Hooks and eyes. <i>See</i> Needles, etc.                 |   | <i>Vegetable products, inedible, except fibers</i>        |                              |
| Hoops.....   | 693   | and wood.....   | 528-531                      |
| Hops.....  | 489, 531, 635, 661                            | <i>Textiles</i> .....                                     | 531-537                      |
| Horns. <i>See</i> Bones, etc.                            |   | <i>Wood and paper</i> .....                               | 538-539                      |
| Horses.....  | 484, 523, 554, 611, 612, 614, 688             | <i>Nonmetallic minerals</i> .....                         | 540-542                      |
| Horses and mules.....                                    | 400, 615, 616                                 | <i>Metals, and manufactures of, except ma-</i>            |                              |
| Horseshoes.....  | 501, 720, 760                                 | chinery and vehicles.....                                 | 543-546                      |
| Hose, rubber.....  | 488, 790                                      | <i>Machinery and vehicles</i> .....                       | 546, 547                     |
| Hosiery.....   | 322, 491, 493, 532, 536, 786                  | <i>Chemicals and related products</i> .....               | 547, 549                     |
| Hospitals ( <i>see also</i> Charities, etc.).....        | 63,<br>68-70, 153, 157, 168                   | <i>Miscellaneous</i> .....                                | 550-552                      |
| Hotel keepers and managers.....                          | 57  | By economic classes of commodities.....                   | 453-455,<br>459-461          |
| Hotels.....  | 809   | Dutiable, by tariff schedules.....                        | 555-557                      |
| Hours of labor:  |   | For consumption.....                                      | 443, 451, 555-557            |
| Automobile industry.....                                 | 337   | Free and dutiable.....                                    | 443, 447, 449, 451, 454, 468 |
| Boot and shoe industry.....                              | 334   | Gold and silver.....                                      | 443, 445, 448, 449           |
| Coal industry.....                                       | 336, 707                                      | Index numbers of quantities, prices, and                  |                              |
| Foundries.....   | 335   | values.....   | 445                          |
| Index numbers.....                                       | 333-336, 338, 339                             | Per capita.....   | 450                          |
| Iron and steel industry.....                             | 334, 335                                      | Prices.....   | 330                          |
| Lumber industry.....                                     | 335   | Principal commodities.....                                | 476, 477                     |
| Machine shops.....                                       | 335   | Value as national wealth.....                             | 287                          |
| Mines and quarries.....                                  | 337, 707                                      | Income and profits tax. 164, 166, 172, 175, 176, 178, 188 |                              |
| Potteries.....   | 337   | Corporation.....  | 176, 188-191, 193, 195-198   |
| Slaughtering and meat packing.....                       | 336   | Individual.....   | 176, 179-181, 185-189        |
| Textile industry.....                                    | 333   | Income-tax returns:                                       |                              |
| Union.....   | 336, 338-340                                  | Corporation.....  | 188-198                      |
| Wood pulp and paper mills.....                           | 337   | Personal.....   | 179-189                      |
| House-furnishing goods.....                              | 318-320,<br>323, 324, 326, 401, 759, 762, 813 | Index numbers. <i>See respective subjects.</i>            |                              |
| Housing cost, index.....                                 | 324, 326                                      | India.....  | 291, 293, 325, 377           |
| Hungary.....   | 209, 210, 291, 377, 464                       | Trade with United States.....                             | 430, 464, 468, 720           |
| Hunters, trappers, and guides.....                       | 57  | India rubber. <i>See</i> Rubber.                          |                              |
| Ice cream.....   | 622, 754                                      | Indian lands.....   | 126, 129                     |
| Ica, manufactured.....                                   | 401, 756, 793                                 | Indians:  |                              |
| Iceland.....   | 464   | Farmers.....  | 590                          |
| Illiteracy:  |   | Number of.....  | 4, 5, 15, 17, 126            |
| Of population 10 years of age and over.....              | 27-29   | Expenditures for, by United States Gov-                   |                              |
| Of aliens.....   | 92  | ernment.....  | 165, 169                     |
| Illuminating oil. <i>See</i> Kerosene.                   |   | Marital condition.....                                    | 21                           |
| Immigration:   |   | Industrial buildings.....                                 | 810                          |
| Summary.....   | 91, 101                                       | Infants' food, malted milk, etc.....                      | 481, 622                     |
| Annual quotas, by countries of birth.....                | 100   | Inheritance tax.....                                      | 175, 176, 201                |
| Emigrant aliens departed.....                            | 91, 92, 94-98                                 | Ink.....  | 516, 767                     |
| Excess of aliens admitted or departed....                | 91, 94-96                                     | Insane and other mentally diseased in hos-                |                              |
| Illiterates admitted.....                                | 92  | pitals.....   | 63, 68, 69                   |
| Immigrant aliens admitted.....                           | 91-102  | Instruments, professional and scientific.....             | 479,<br>515, 550, 774        |
| Immigrants debarred and deported.....                    | 92  | Insurance.....  | 153-156, 296-307             |
| Nonemigrant aliens departed.....                         | 91  | Agents and officials of companies.....                    | 55                           |
| Nonimmigrant aliens admitted.....                        | 91, 101, 102                                  | Casualty, surety, etc.....                                | 306, 307                     |
| Implements and machinery on farms.....                   | 581, 587                                      | Fire, marine, and lightning.....                          | 296-299                      |
| Importers, exporters, and wholesale dealers..            | 56  | Fraternal orders.....                                     | 305                          |
| Imports:   |   | Life.....   | 153-156, 300-306             |
| <i>General Tables. See</i> Foreign trade.                |   | Losses by fire.....                                       | 298, 299                     |
| Agricultural products.....                               | 608   | Miscellaneous, by classes.....                            | 307                          |
| By classes and individual commodities <sup>1</sup> ..... | 519-552                                       | Mutual accident and sick benefit.....                     | 306                          |
| <i>Animals and animal products, edible</i> ....          | 519-521                                       | Tax returns of companies.....                             | 198, 200                     |
| <i>Animals and animal products, inedible</i> ...         | 521-524                                       | United States Government life.....                        | 153-156                      |
|  |   | Interest on the public debt.....                          | 165, 171, 172                |

<sup>1</sup> For important individual commodities see references thereto in index. For imports of commodities not indexed separately see reference to appropriate groups shown in italics.

|  | Page  |
|--|---|
| Interest payments.....   | 307   |
| Interest rates, call money, acceptance and time loans, New York..... | 294, 295                                    |
| Interior customs district.....                                       | 409   |
| Intermediate credit banks, Federal.....                              | 276, 277                                    |
| Internal revenue (see also Income and profits tax).....              | 164, 165, 172, 175-179                      |
| Internal waterways, traffic.....                                     | 413-416                                     |
| International money orders.....                                      | 343, 344, 349                               |
| Investments in new enterprises.....                                  | 306, 309                                    |
| Investments of banks. See Banks.                                     |   |
| Iraq (Mesopotamia).....  | 377, 430                                    |
| Ireland, trade with United States.....                               | 430   |
| Irish Free State.....  | 377, 404                                    |
| Iron.  |   |
| Ore—   |   |
| Foreign trade.....   | 433, 434, 479, 499, 543, 714                |
| Prices.....  | 322   |
| Production.....  | 708, 710, 714                               |
| Shipments.....   | 714   |
| Traffic movement.....  | 432, 414                                    |
| Used in blast furnaces.....  | 715   |
| Pig—   |   |
| Foreign trade.....   | 439, 342, 713, 720                          |
| Merchant.....  | 715, 719                                    |
| Prices.....  | 332, 721                                    |
| Production.....  | 710, 714, 718                               |
| Traffic movement.....  | 441, 414                                    |
| Iron and steel, and manufactures:                                    |   |
| Foreign trade.....   | 432, 434, 479, 480, 543, 555, 717, 719, 720 |
| Prices.....  | 319, 322, 331, 721                          |
| Production.....  | 714, 716-719, 722, 729                      |
| Traffic movement.....  | 415   |
| Iron and steel industry:   |   |
| Summary.....   | 732, 739                                    |
| Blast furnaces, steel works, and rolling mills.....                  | 714-716, 718, 729                           |
| Employment and pay-roll indexes.....                                 | 341   |
| Persons employed.....  | 51, 53, 714, 732, 759                       |
| Production index.....  | 735   |
| Structural iron works.....   | 740   |
| Wages and hours of labor.....  | 334   |
| Irrigation enterprises   |   |
| Summary.....   | 573   |
| Acreage of, and capital invested in.....                             | 574, 575                                    |
| Cost of operation and maintenance.....                               | 575   |
| Crops grown on irrigated land.....                                   | 576, 577                                    |
| Government projects—   |   |
| Acreage.....   | 571, 572                                    |
| Construction cost and repayments.....                                | 567, 568                                    |
| Construction work.....   | 573   |
| Crops grown on.....  | 571, 572                                    |
| Financial statistics.....  | 567, 570                                    |
| Value of, as national wealth.....                                    | 267   |
| Italian Africa, trade with United States.....                        | 406   |
| Italy (see also World statistics), trade with United States.....     | 429, 464, 465, 553, 572, 720                |
| Ivory ('oust, trade with United States.....                          | 430   |
| Ivory, shell, and bone work.....                                     | 775   |
| Ivory tusks, in natural state.....                                   | 524   |
| Jamaica.....   | 377, 429, 462                               |
| Japan (see also World statistics), trade with United States.....     | 430, 465, 468, 572, 720                     |

| Japanese:  | Page                              |
|--|-----------------------------------|
| Farmers.....   | 299                               |
| Number in United States.....                         | 4, 5, 15, 17, 29                  |
| Japanning and enameling industry.....                | 714                               |
| Java and Madura, trade.....                          | 430, 464                          |
| Jewelry.....   | 50, 51, 504, 546, 771             |
| Joint-stock land banks.....                          | 274-276                           |
| Jute and jute bolls.....                             | 330, 433, 523                     |
| Jute and manufactures.....                           | 478, 523                          |
| Jute manufactures.....                               | 331, 433, 491, 523, 554, 757, 763 |
| Juvenile delinquents.....                            | 62, 75                            |
| Kafir (see also Grain sorghums).....                 | 672                               |
| Kerosene (illuminating oil).....                     | 332, 497, 540, 729-743            |
| Knit goods:  |                                   |
| Foreign trade.....                                   | 491-493, 532, 534, 537            |
| Manufacture.....                                     | 756, 768, 767                     |
| Kongo, Belgian. See Belgian Congo.                   |                                   |
| Kurdistan. See Armenia, etc.                         |                                   |
| Kwantung, trade with United States.....              | 403, 729                          |
| Labels and tags.....                                 | 764                               |
| Labor, farm (see also Hours of labor and Wages)..... | 600, 607                          |
| Labor strikes in coal mines.....                     | 732                               |
| Laborers.....  | 51, 52, 54-57                     |
| Lace industry:                                       |                                   |
| Summary.....   | 756, 758                          |
| Foreign trade in products.....                       | 491, 536, 537                     |
| Lake traffic (see also Sault Ste. Marie Canal).....  | 412                               |
| Lamb (see also Mutton and Lamb).....                 | 321, 575                          |
| Lambs, prices.....                                   | 617, 620                          |
| Lampblack. See Carbon black, etc.                    |                                   |
| Lamps.....   | 508, 518, 540, 770                |
| Land banks, Federal and joint-stock.....             | 271-276                           |
| Lands (see also Public lands)                        |                                   |
| Farm.....  | 581, 583-585, 586, 591, 592-597   |
| Mortgaged.....                                       | 261, 272, 275, 597, 599           |
| In drainage enterprises.....                         | 577-579                           |
| Irrigated.....                                       | 571-577                           |
| Lapidary work.....                                   | 728                               |
| Lard:  |                                   |
| Summary, consumption, production, etc.....           | 619                               |
| Cold-storage holdings.....                           | 627                               |
| Foreign trade.....                                   | 481, 619                          |
| Prices.....  | 321, 339, 332, 615                |
| Production.....                                      | 619, 630                          |
| Lath.....  | 434, 500, 523, 525                |
| Latin America, trade.....                            | 465                               |
| Latvia.....  | 209, 214, 429, 464                |
| Laundry workers.....                                 | 57, 340                           |
| Law schools.....                                     | 116                               |
| Lawn mowers.....                                     | 511, 795                          |
| Lead:  |                                   |
| Summary.....   | 724                               |
| Consumption.....                                     | 725                               |
| Foreign trade.....                                   | 503, 545, 546, 725                |
| Manufacture.....                                     | 51, 53, 725, 779                  |
| Prices.....  | 322, 705, 724                     |
| Production.....                                      | 719, 724, 725                     |
| Lead-zinc ore.....                                   | 708, 710                          |
| Leather.   |                                   |
| Foreign trade.....                                   | 474, 478, 482, 522, 554           |
| Prices.....  | 319, 322, 323                     |
| Production.....                                      | 762, 769                          |

[For reference to items not shown in index, see note, p. 819]

|  | Page                         |   | Page                         |
|--|------------------------------|---|------------------------------|
| Leather and leather products industry ( <i>see also Boots and shoes</i> ): |                              | Macaroni, spaghetti, and noodles.....                 | 485, 524                     |
| Summary.....   | 752, 763                     | Machine shops and foundries.....                      | 335, 771                     |
| Corporation tax returns... 189, 190, 192, 196, 198-200                     |                              | Machine tools.....                                    | 508, 772, 795, 796           |
| Foreign trade in products.....   | 478, 483, 522                | Machinery ( <i>see also individual classes</i> ):     |                              |
| Persons employed.....  | 51-53, 752, 763              | Foreign trade.....                                    | 434, 475, 479, 505, 546, 555 |
| Prices.....  | 319, 322                     | Manufacture.....                                      | 753, 771, 794-798            |
| Production.....  | 752, 763                     | Traffic movement.....                                 | 415, 416                     |
| Production index.....  | 785                          | Madagascar, trade with United States.....             | 430, 466                     |
| Leather, artificial.....   | 493, 759, 788                | Madeira Islands. <i>See</i> Azores.                   |                              |
| Legislative establishment, Government ex-                                  |                              | Madura. <i>See</i> Java, etc.                         |                              |
| penditures for.....  | 168, 172, 174                | Magnesite.....  | 542, 708, 711                |
| Legumes cut for hay.....   | 576                          | Mail carriers.....                                    | 54                           |
| Lemons.....  | 486, 525, 576, 635           | Mail cars.....  | 384                          |
| Lesser Antilles, trade with United States.....                             | 429                          | Mail carried.....                                     | 346                          |
| Lettuce.....   | 636                          | Mail revenues of railways.....                        | 395                          |
| Liability insurance.....   | 307                          | Malaya, British.....                                  | 377, 464, 720                |
| Liberia.....   | 209, 210, 430, 466           | Malt.....   | 484, 755                     |
| Liberty loans..... 171, 173, 202, 203, 206, 208, 209                       |                              | Malt liquors. <i>See</i> Liquors, etc.                |                              |
| Libraries.....   | 117, 223, 224, 232           | Malta, trade with United States.....                  | 429                          |
| Library and school buildings.....  | 809, 810                     | Malta, Gozo, and Cyprus Islands.....                  | 464                          |
| Life insurance. <i>See</i> Insurance.                                      |                              | Malted milk.....                                      | 481, 622                     |
| Light and power. <i>See</i> Electric light and                             |                              | Manganese ore.....                                    | 433, 544, 708, 710           |
| power.   |                              | Manganiferous ore.....                                | 710                          |
| Limba, artificial.....   | 516, 773                     | Manila.....   | 331, 534, 554, 564           |
| Lime..... 51, 52, 323, 401, 497, 513, 540, 548, 711, 768                   |                              | Manufacturers and officials.....                      | 52                           |
| Limestone.....   | 540, 708, 743                | Manufacturers' excise tax.....                        | 175, 176                     |
| Linemen, union wages and hours of labor.....                               | 340                          | Manufactures, finished, and semimanufac-              |                              |
| Linen goods.....   | 491, 533, 554, 757, 788      | tures:  |                              |
| Linoleum. <i>See</i> Oilcloth, etc.  |                              | Foreign trade.....                                    | 452, 453, 455, 459-461       |
| Linseed oil.....   | 323, 488, 529, 767           | Wholesale price index.....                            | 324, 815                     |
| Liquors, fermented and distilled.....                                      | 52,                          | Manufacturing and mechanical industries,              |                              |
| 53, 175, 176, 487, 528, 767, 804   |                              | persons employed.....                                 | 49, 50, 58, 59               |
| Lithographing.....   | 765, 790                     | Manufacturing corporations:                           |                              |
| Lithuania.....   | 209, 210, 464                | Capital issues.....                                   | 308, 309                     |
| Livery-stable keepers and managers.....                                    | 54                           | Tax returns..... 189-192, 196, 198-200                |                              |
| Livestock ( <i>see also Animals and individual</i>                         |                              | Manufacturing industries ( <i>see also individual</i> |                              |
| <i>classes</i> )..... 287, 288, 319, 402, 581, 587, 606                    |                              | <i>industries</i> ).....                              | 749-805                      |
| Livestock insurance.....   | 307                          | Summary.....  | 749                          |
| Loan and trust companies.....  | 256, 258, 265                | Employment, pay-roll, and operation in-               |                              |
| Loans ( <i>see also Loans and discounts under</i>                          |                              | dexes.....  | 341                          |
| Banks):  |                              | Establishments, wage earners, value of                |                              |
| Brokers'.....  | 286                          | products, etc.—                                       |                              |
| Foreign.....   | 206-211                      | By general groups of industries.....                  | 752, 753                     |
| Public debt..... 167, 171, 173, 202-208                                    |                              | By individual industries.....                         | 754-777                      |
| To carriers.....   | 208                          | By size of establishments.....                        | 750                          |
| Lobsters.....  | 520                          | By States.....  | 780-784                      |
| Locomotives..... 383-385, 407, 408, 505, 507, 794, 795                     |                              | Failures.....   | 314, 315                     |
| Lodging houses.....  | 809                          | Foreign trade in products.....                        | 452-455, 459-461             |
| Logs.....  | 401, 415, 433, 493, 538, 555 | Index of production.....                              | 785                          |
| Louisiana purchase, area and date of acces-                                |                              | In principal cities.....                              | 778                          |
| sion.....  | 1                            | Persons employed.....                                 | 49, 50, 58, 59, 749          |
| Lubricants, grease and oil. 323, 497, 540, 739-741, 767                    |                              | Power used, kinds, and horsepower.....                | 749,                         |
| Lumber:  |                              | 751-776, 780-784                                      |                              |
| Foreign trade.....   | 433, 475, 477, 479, 494, 538 | Traffic movement of products.....                     | 399, 401                     |
| Prices.....  | 319, 323, 331, 332, 691, 692 | Value of products as national wealth.....             | 287                          |
| Production.....  | 689, 690                     | Manufacturing machinery, etc., value as               |                              |
| Traffic movement.....  | 401, 414, 415                | national wealth.....                                  | 287, 288                     |
| Lumber and allied products industry:                                       |                              | Maple sugar and sirup.....                            | 528, 634, 670                |
| Summary.....   | 752, 761                     | Marble.....   | 497, 540, 708, 743           |
| Corporation tax returns..... 189-192, 196, 198-200                         |                              | Marble and stone work, manufacture.....               | 51, 52, 768                  |
| Employment and pay-roll indexes.....                                       | 341                          | Marine Corps, strength of.....                        | 148                          |
| Persons employed.....  | 50, 51, 53, 752, 761         | Marine and fire insurance.....                        | 296                          |
| Production index.....  | 785                          | Marital condition of population.....                  | 21-23, 42                    |
| Wages and hours of labor.....  | 335                          | Markets, primary.....                                 | 615-617, 623, 626, 628, 680  |
|  |                              | Marriages, divorces, and annulments.....              | 89, 90                       |

[References to items not shown in index, see note, p. 835]

|   | Page                              |  | Page                              |
|---|-----------------------------------|--|-----------------------------------|
| Married persons.....  | 30-33, 42                         | Mineral paints.....  | 514, 543, 703, 711                |
| Matches.....  | 539, 551, 703                     | Minerals and mineral products (see also each mineral).....           | 703-709                           |
| Mats and matting.....   | 534, 737                          | Summary of mineral production.....                                   | 703, 710-712                      |
| Mattresses and bed springs.....   | 491, 775                          | By States.....   | 712                               |
| Meal, corn.....   | 320, 434, 679, 682                | Foreign trade.....   | 473, 497, 499, 543, 543, 544      |
| Meat and meat products (see also Slaughtering and meat packing):          |                                   | Index of production.....   | 703                               |
| Summary.....  | 619                               | Manufacture.....   | 702, 702, 702, 703, 703           |
| Cold-storage holdings.....  | 637                               | Persons employed in extraction of.....                               | 49, 53, 53, 53, 703-703, 703, 703 |
| Foreign trade.....  | 422, 474, 476, 499, 519, 603, 619 |  |                                   |
| Prices.....   | 319, 321, 329, 613                | Mines and quarries:  |                                   |
| Production.....   | 619                               | Summary.....   | 703-709                           |
| Traffic movement.....   | 400                               | Accidents and fatalities.....  | 746-748                           |
| Mechanical industries. See Manufacturing, etc., industries.               |                                   | Corporation tax returns.....   | 189-192, 193, 193-200             |
| Medicinal and pharmaceutical preparations.....                            | 479, 513, 547, 553                | Explosives used.....   | 803                               |
| Merchandise exports and imports. See Foreign trade, Exports, and Imports. |                                   | Persons employed.....  | 49, 53, 53, 53, 703-703, 703, 703 |
| Merchant marine:  |                                   | Size of producing establishments.....                                | 707                               |
| Disasters to.....   | 423                               | Strikes in coal mines.....   | 731                               |
| Number and tonnage.....   | 417-421                           | Wages and hours of labor.....  | 337, 337, 707                     |
| Of the world and principal countries.....                                 | 419, 420                          | Miquelon and St. Pierre Islands.....                                 | 492                               |
| Mesopotamia. See Iraq.  |                                   | Mirrors.....   | 709                               |
| Metal mines. See Mines and quarries.                                      |                                   | Mississippi River traffic.....                                       | 413                               |
| Metals and metal products (see also Individual metals):                   |                                   | Models and patterns (not paper).....                                 | 775                               |
| Summary of production of metals....                                       | 705, 703, 710                     | Mohair.....  | 535, 639                          |
| Foreign trade.....  | 423, 479, 499, 543, 554           | Molasses.....  | 415, 423, 427, 527, 603, 603      |
| Manufacture.....  | 703, 709                          | Monasite. See Thorium.   |                                   |
| Prices.....   | 313-320, 322, 613                 | Money (see also Banks):  |                                   |
| Traffic movement.....   | 401, 415, 416                     | Brought by immigrant aliens admitted....                             | 92                                |
| Metals and metal products industries (see also Individual industries):    |                                   | In circulation and stock of.....                                     | 203, 203                          |
| Summary.....  | 753, 769                          | Interest rates, New York.....  | 204, 205                          |
| Accidents.....  | 746-748                           | Money orders (postal) issued.....                                    | 343, 344, 349                     |
| Corporation tax returns.....  | 189-192, 197, 200                 | Monuments, national, location, date of establishment, area, etc..... | 132-134                           |
| Production index.....   | 785                               | Morocco.....   | 377, 429, 465                     |
| Wages and hours of labor.....   | 337, 339                          | Mortgages:   |                                   |
| Meters, gas and water, and gas machines....                               | 510, 771, 795                     | On farms.....  | 261, 271-276, 597-599             |
| Mexican border district, trade.....                                       | 435, 469, 470, 553                | On homes.....  | 30, 31                            |
| Mexican cession, area and date of accession ..                            | 1                                 | Security for loans.....  | 262, 272, 273                     |
| Mexico.....   | 291, 292, 377, 553                | Moss, seaweed, etc.....  | 531                               |
| Trade with United States.....   | 429, 462, 468, 720                | Mother tongue of foreign white stock.....                            | 34                                |
| Mica.....   | 499, 542, 555, 703, 711           | Mother-of-pearl.....   | 524                               |
| Midwives and nurses (untrained).....                                      | 57                                | Motion-picture corporations, tax returns.....                        | 200                               |
| Military and naval services abroad.....                                   | 3                                 | Motion pictures (see also Photographic material).....                | 515, 550, 775, 795, 797           |
| Milk:   |                                   | Motor cars and motor vehicles:                                       |                                   |
| Foreign trade.....  | 481, 519                          | Fatalities caused by.....  | 373                               |
| Malted.....   | 481, 622                          | Foreign trade in.....  | 511, 547, 555                     |
| Manufacture.....  | 622, 630, 754                     | Manufacture.....   | 51, 53, 772, 795, 800             |
| Prices.....   | 321, 329, 332, 618                | On farms.....  | 602, 603                          |
| Production.....   | 620-622                           | Prices.....  | 319, 323                          |
| Sugar, production.....  | 622, 630                          | Production.....  | 373, 374, 795, 800                |
| Milliners and millinery dealers.....                                      | 52                                | Registration.....  | 373, 375-377                      |
| Millinery and lace goods. See Lace industry and Hats, etc.                |                                   | Per 1,000 population.....  | 375                               |
| Millstones.....   | 703, 711                          | Revenue from, by States.....   | 376                               |
| Millwork, union wages and hours of labor....                              | 339                               | Traffic movement.....  | 401, 415                          |
| Mineral and soda waters.....  | 487, 528, 711                     | Value of, as national wealth.....                                    | 257, 260                          |
| Mineral industries, capital issues.....                                   | 308, 309                          | Wages and hours of labor in industry.....                            | 337                               |
| Mineral land entries, etc.....  | 125, 128, 129                     | World registration.....  | 377                               |
| Mineral oil. See Petroleum.   |                                   | Motor corporations, capital issues.....                              | 308                               |
|   |                                   | Mozambique, trade with United States.....                            | 430, 465                          |
|   |                                   | Mucilage, paste, etc.....  | 766                               |
|   |                                   | Mules (see also Horses and mules).....                               | 434, 611, 612, 614                |
|   |                                   | Municipal capital issues.....  | 308                               |
|   |                                   | Music, publishing and printing.....                                  | 790                               |

[For reference to items not shown in index, see note, p. 819]

|   | Page                              |  | Page                                      |
|---|-----------------------------------|--|---|
| Musical instruments.....  | 479, 516, 550, 753, 772, 799      | Nursery and greenhouse stock.....  | 478, 489, 531                             |
| Mutton.....   | 519, 618                          | Nuts ( <i>see also</i> Fruits and nuts)....  | 486, 526, 554, 635                        |
| Mutton and lamb.....  | 480, 519, 619, 630                |  |   |
| Nails, wire.....  | 322, 332, 501, 543, 716, 719, 720 | Oats:  |   |
| Naphtha.....  | 739                               | Summary.....   | 658                                       |
| National Banks. <i>See under</i> Banks.   |                                   | By States.....   | 646                                       |
| National farm loan associations.....  | 273                               | Acreage and production.....  | 572,<br>576, 633, 634, 636, 646, 658      |
| National forests.....   | 686-688                           | Consumed in flour mills.....   | 682                                       |
| National Government finance ( <i>see also</i> Revenue receipts, Expenditures, Public debt, etc.)..... | 163-211                           | Foreign trade.....   | 484, 524                                  |
| National Guard, strength of.....  | 147, 148                          | Prices.....  | 321, 647, 658, 678, 679                   |
| National parks, reservations, etc.....  | 132, 686-688                      | Receipts at ports and markets.....   | 679, 680                                  |
| National wealth.....  | 287-290                           | Supply.....  | 677                                       |
| Nationality of vessels.....   | 420, 425, 427, 428, 439, 440      | Traffic movement.....  | 400                                       |
| Natural gas, production.....  | 711, 736                          | Obligations of foreign Governments.....  | 208-211                                   |
| Natural-gas gasoline.....   | 711, 736, 738-740                 | Occupations of entire population ( <i>see also</i> individual occupations and industries)..... | 48-60                                     |
| Naturalized citizens permanently departed..   | 101                               | Oceania.....   | 456-458, 460, 461, 466, 468, 553          |
| Naval and military services abroad.....   | 3                                 | Office appliances.....   | 479, 510                                  |
| Naval stores, gums, resins, etc. ( <i>see also</i> Turpentine).....                                   | 434, 474, 478, 488, 528           | Office supplies.....   | 479, 516, 551, 552                        |
| Navy:   |                                   | Ohio River traffic.....  | 416                                       |
| Strength of.....  | 148                               | Oil and gas well operatives.....   | 50  |
| Vessels in.....   | 149, 150                          | Oil cake and oil-cake meal.....  | 332, 474, 485, 526                        |
| Navy Department.....  | 158, 165, 169, 172, 174           | Oil, cake, and meal, cottonseed....  | 485, 486, 671, 767                        |
| Needles, pins, and hooks and eyes.....  | 502, 543, 770                     | Oil corporations, capital issues.....  | 308                                       |
| Negro population. <i>See</i> Population, by color or race.  |                                   | Oil lands withdrawn from general settlement  | 125                                       |
| Netherlands. <i>See</i> World statistics.   |                                   | Oilcloth and linoleum.....   | 493, 537, 759, 788                        |
| Trade with United States... ..  | 429, 464, 468, 553, 720           | Oils:  |   |
| Netherland East Indies.....   | 377, 430, 464, 468, 720           | Animal (and fats)... ..  | 474, 478, 481, 523, 609, 624, 630         |
| Netherland Guiana.....  | 430, 462                          | Fish.....  | 483, 523, 702, 703                        |
| Netherland West Indies.....   | 462                               | Fuel, consumption.....   | 362, 737                                  |
| Nets and seines.....  | 758                               | Mineral. <i>See</i> Petroleum products.  |   |
| Newfoundland and Labrador.....  | 462, 468                          | Vegetable—   |   |
| Newsboys.....   | 55                                | Consumption.....   | 624                                       |
| Newspapers and periodicals.....   | 764, 790                          | Foreign trade.....   | 476,<br>478, 486, 488, 527, 529, 554, 609 |
| New York City:  |                                   | Prices.....  | 321, 323, 332                             |
| Clearing-house transactions.....  | 278, 279                          | Production.....  | 671, 767                                  |
| Debits to individual accounts.....  | 283, 284                          | Oilseeds.....  | 478, 488, 529, 554                        |
| Exchange rates.....   | 291-293                           | Oilstones, production.....   | 711                                       |
| Interest rates.....   | 294, 295                          | Oleomargarine.....   | 321, 481, 624, 754                        |
| National banks.....   | 260-262                           | Onions.....  | 485, 525, 572, 636, 662                   |
| Stock-exchange transactions.....  | 310                               | Operation indexes. <i>See under</i> Manufactures, Employment, etc.                             |   |
| New Zealand.....  | 377, 430, 466, 468, 720           | Optical goods.....   | 515, 550, 775                             |
| Nicaragua.....  | 209, 210, 429, 462                | Oranges.....   | 321, 486, 525, 576, 635, 662              |
| Nickel.....   | 504, 545, 710                     | Orchard products ( <i>see also</i> Fruits and nuts)...   | 572,<br>576, 633, 635, 664, 665           |
| Nigeria, trade with United States.....  | 430                               | Ordnance and accessories.....  | 517                                       |
| Nitrates.....   | 433, 549, 555                     | Ore-dressing plants, accidents.....  | 746, 747                                  |
| Nitrogen compounds.....   | 514, 549, 791                     | Ores (crude) ( <i>see also</i> each ore).....  | 402, 710                                  |
| Noncontiguous territory. <i>See</i> each territory.   |                                   | Organs.....  | 516, 550, 772, 799                        |
| Normal schools and teachers' colleges..   | 104, 111-113                      | Ostriches.....   | 624                                       |
| North America, trade.....   | 456-458, 460-462, 468, 553        | Oysters.....   | 682, 702                                  |
| Northern border districts.....  | 435, 469, 470, 553                | Ozocerite. <i>See</i> Wax, mineral.  |   |
| Norway.....   | 291, 377, 419, 420                |  |   |
| Trade with United States.....   | 429, 464, 468, 720                | Pacific coast district.....  | 426-428,<br>432, 433, 435, 469, 470, 553  |
| Notes:  |                                   | Paints, varnishes, etc.....  | 319, 323, 514, 549, 767, 793              |
| Federal reserve.....  | 238, 241                          | Palestine and Syria.....   | 377, 429, 464                             |
| National bank.....  | 238, 259, 260, 264                | Panama:  |   |
| Stocks of, in United States.....  | 238                               | Canal.....   | 166, 171, 172, 424-426                    |
| Victory, Liberty loan, and Treasury..   | 202-204, 206                      | Canal Zone.....  | 1, 3, 105-109, 377, 429                   |
| Nurse training schools.....   | 118                               | Republic.....  | 377, 429, 462                             |

For full list of titles see Index to Index, vol. 1922, p. 150

|   | Page   |  | Page                              |
|---|--|--|-----------------------------------|
| Foreign trade.....  | 497, 540, 737, 739                               | Phosphate rock.....  | 514, 702, 703                     |
| Manufacture.....  | 51, 52, 695, 764                                 | Photo-engraving.....   | 70                                |
| Prices.....   | 323, 331   | Photographic apparatus and material (see also<br>Motion pictures)..... | 479, 515, 539, 703                |
| Paper and printing.....                                   | 341, 732, 765                                    | Pistons.....   | 51, 52, 519, 520, 772, 784        |
| Paper and wood pulp.....                                  | 319, 323, 694, 695, 764                          | Pickles, preserves, and seasonings.....                                | 455, 539, 540                     |
| Paper and wood-pulp industry:                             |  | Pig iron. See under Iron.  |                                   |
| Corporation tax returns.....                              | 189-192, 196, 198-200                            | Pignons.....   | 40                                |
| Persons employed.....                                     | 51, 52, 764                                      | Pins. See Needles, etc.  |                                   |
| Wages and hours of labor.....                             | 337, 764   | Pipe:  |                                   |
| Paraffin wax.....   | 497, 540, 739, 740                               | Copper.....  | 323                               |
| Paraguay, trade with United States.....                   | 430, 462   | Iron and steel.....  | 323, 415, 429, 545, 736, 739, 785 |
| Parcel post.....  | 343, 440   | Sewer.....   | 434, 535                          |
| Parks, national.....                                      | 132  | Pipe lines.....  | 527, 739, 740                     |
| Parochial schools.....                                    | 197  | Pipes, tobacco.....  | 434, 535                          |
| Parties, political.....                                   | 180, 181   | Pittman Act certificates.....  | 40                                |
| Passengers arrived and departed.....                      | 102  | Plaster, wall, and composition flooring.....                           | 46                                |
| Pasture, acreage and crop value.....                      | 572, 585   | Plastics.....  | 434, 535, 536                     |
| Patent medicines and compounds.....                       | 795  | Plated ware.....   | 534, 535                          |
| Patents and certificates of registration.....             | 811  | Plate-glass incrimination.....   | 47                                |
| Paupers in almshouses.....                                | 52, 71   | Plates and sheets:   |                                   |
| Saving materials.....                                     | 775  | Iron and steel.....  | 500, 543, 739-740                 |
| Pay roll. See under Manufactures, Employ-<br>ment, etc.   |  | Other metals.....  | 500, 543, 739                     |
| Peaches.....  | 490, 572, 576, 633, 635, 664, 665, 682           | Platinum.....  | 504, 545, 739, 740                |
| Peanuts.....  | 321, 496, 525, 554, 633, 634, 651, 653, 678, 755 | Plumbago. See Graphite.  |                                   |
| Pears.....  | 486, 572, 576, 634, 664, 665, 682                | Plumbers and gas and steam fitters.....                                | 39                                |
| Pens.....   | 485, 525, 554, 576, 634, 636, 682                | Plumbers' supplies, manufacture.....                                   | 39                                |
| Peat production.....                                      | 711  | Plums and prunes.....  | 490, 572, 576, 664, 682           |
| Pecans.....   | 526, 635   | Pocketbooks.....   | 434, 535                          |
| Pencils.....  | 516, 551, 775                                    | Poland.....  | 399, 400, 737, 737                |
| Pens.....   | 516, 552, 775                                    | Poland and Danzig, trade with United States.....                       | 40                                |
| Pensions:   |  | Pomelos. See Grapefruit.   |                                   |
| Civil-service retirement.....                             | 157  | Popular vote for presidential electors.....                            | 100                               |
| Disbursements for.....                                    | 142, 145, 169                                    | Population.....  | 3-49                              |
| Number of pensioners.....                                 | 152  | Cities in the United States.....                                       | 49-57                             |
| Peppers.....  | 636  | Continental United States, summary.....                                | 2, 3                              |
| Perfumery, cosmetics, etc.....                            | 479, 515, 540, 702, 703                          | Age distribution.....  | 5, 12, 21, 22                     |
| Perals, trade with United States.....                     | 377, 430, 464                                    | Blind.....   | 62, 66, 67                        |
| Peru.....   | 291, 377, 583                                    | By States.....   | 6-8                               |
| Trade with United States.....                             | 450, 462, 468, 720                               | Citizenship of foreign-born whites.....                                | 26                                |
| Petroleum and products:                                   |  | Color or race, nativity, and percentage.....                           | 4, 12-17, 20                      |
| Crude oil—  |  | Deaf and dumb.....   | 62-65                             |
| Foreign trade.....  | 497, 540, 737, 739                               | Density of.....  | 2, 9                              |
| Pipe lines.....   | 736, 741   | Dwellings, families, and homes.....                                    | 30, 31, 42                        |
| Prices.....   | 322, 331, 332                                    | Foreign-born.....  | 32, 36                            |
| Production.....   | 711, 737-739                                     | Foreign-born whites, by country of birth.....                          | 35, 36                            |
| Stocks.....   | 738  | Foreign white stock, by mother tongue.....                             | 36                                |
| Traffic movement.....                                     | 401, 415   | Illiterates.....   | 37-39                             |
| Foreign trade.....  | 494, 475, 477, 479, 497, 540, 555, 737           | Males, 18 to 44 years of age.....                                      | 10                                |
| Output of refineries.....                                 | 739, 740   | Marital condition.....   | 21-23, 42                         |
| Prices.....   | 319, 322, 332, 741                               | Occupied persons.....  | 45-60                             |
| Stocks.....   | 736, 739, 740                                    | On farms.....  | 551, 552                          |
| Supply and demand.....                                    | 739  | Race.....  | 4, 12-17, 20                      |
| Traffic movement.....                                     | 401, 415   | School.....  | 105, 106                          |
| Petroleum refining.....                                   | 52, 53, 739, 740, 767                            | Sex distribution.....  | 5, 16, 17                         |
| Philippine Islands:                                       |  | Twenty-one years of age and over.....                                  | 22, 19                            |
| Area, population, and date of accession.....              | 1, 3   | Urban and rural.....   | 23, 40-42                         |
| Education.....  | 105-110, 112, 118, 119, 119                      | Vital statistics of. See Vital statistics.                             |                                   |
| Other statistics.....                                     | 178, 257, 377, 727                               | Indian reservations.....   | 125                               |
| Sugar produced and brought from.....                      | 605  | Outlying possessions.....  | 2                                 |
| Trade.....  | 430, 466, 468, 561, 564, 720                     | Registration area for deaths.....                                      | 77                                |
| Photographs.....  | 516, 560, 772, 790                               |  |                                   |
| Phosphate lands withdrawn from general<br>settlement..... | 125  |  |                                   |



[For reference to items not shown in index, see note, p. 819]

|   | Page   |   | Page                        |
|---|--|---|-----------------------------|
| <b>Pork:</b>  |  | <b>Prices—Continued.</b>  |                             |
| Summary, consumption, production, etc.  | 619  | Stocks  | 310                         |
| Cold-storage holdings   | 627  | Wholesale, of leading commodities   | 321-323                     |
| Foreign trade   | 480, 519, 619                                    | Printing and publishing   | 51, 53, 339-341, 764, 790   |
| Prices  | 332, 618   | Printing and publishing corporations, tax returns                                 | 189-192, 198, 198-200       |
| Production  | 619, 630   | Printing machinery  | 479, 510, 795               |
| <b>Portland cement. See Cement.</b>   |  | Printing materials, manufacture   | 765                         |
| <b>Porto Rico:</b>  |  | Prisons and prisoners   | 63, 73-75                   |
| Area, population, and date of accession   | 1, 3   | Private banks   | 256, 258, 265               |
| Educational statistics  | 105-110, 114-119                                 | Private schools. <i>See under Education.</i>                                      |                             |
| Sugar produced  | 606  | Producer's goods, prices  | 334                         |
| Trade   | 469, 560, 563, 564                               | Production ( <i>for individual commodities see references thereto in index</i> ): |                             |
| Other statistics  | 348, 349, 377, 706                               | Animals   | 605, 611-614                |
| Portugal  | 291, 377, 420, 429, 464                          | Animal products   | 605, 619, 620, 622          |
| Portuguese Africa, trade with United States                                       | 426, 466   | Farm products   | 572, 576, 631-637, 659-662  |
| Postal deficiencies   | 165, 170, 172                                    | Fisheries   | 697-704                     |
| Postal receipts (surplus)   | 164  | Forest products   | 689-695                     |
| Postal savings system, transactions of  | 269  | Manufactures  | 749-783                     |
| Postal Service  | 158, 159, 170, 343-349                           | Minerals  | 705-713                     |
| Potash  | 433, 549, 711                                    | Professional and scientific instruments   | 479, 515, 550, 774          |
| Potassium compounds   | 513, 548, 791                                    | Professional schools  | 104, 114-117                |
| <b>Potatoes:</b>  |  | Professional service:   |                             |
| Irish—  |  | Immigrants qualified for  | 92                          |
| Summary   | 660  | Persons engaged in  | 49, 56, 58, 59              |
| By States   | 652  | Professional service corporations, tax returns                                    | 200                         |
| Acreage and production  | 572, 576, 633, 634, 636, 652, 660                | Provisions, freight rates on  | 681                         |
| Foreign trade   | 485, 525   | Public buildings  | 809, 810                    |
| Prices  | 321, 329, 653, 660, 678                          | Public debt:  |                             |
| Traffic movement  | 400  | All classes of Government organizations   | 214                         |
| <b>Sweet and yams—</b>  |  | Local governments   | 214, 220, 221               |
| Acreage and production  | 572, 633, 634, 654, 660                          | National Government—  |                             |
| Prices  | 655, 660, 678                                    | Expenditures on account of  | 163, 171-173                |
| <b>Pottery</b>  | 51, 52, 498, 541, 744, 768                       | Interest paid on  | 165, 171, 172               |
| <b>Poultry</b>  | 321, 400, 480, 519, 618, 620, 624, 626, 627, 754 | Interest-bearing, by maturity   | 208                         |
| <b>Poultrymen's supplies. See Dairymen's supplies.</b>                            |  | Principal of  | 202-207, 214                |
| <b>Power:</b>   |  | By specific loans   | 203, 206                    |
| Annual supply of, from fuels and water  | 817  | Receipts  | 163, 167                    |
| Capacity of steam locomotives   | 383, 384   | Transactions  | 206, 207                    |
| Electric  | 359-363, 407, 411, 751                           | Principal cities  | 225, 236                    |
| Used in manufactures  | 749, 751-776, 780-784                            | States  | 214, 217-220                |
| Used in mines and quarries  | 706, 708, 709                                    | State and local governments combined  | 222                         |
| Water, developed and potential  | 816  | Public lands:   |                             |
| <b>Power-site reserves withdrawn from general settlement</b>                      | 125  | Summary   | 126, 128                    |
| <b>Precious stones and gems</b>   | 479, 498, 541, 711                               | Areas patented  | 126, 129, 130               |
| <b>Precipitation, selected cities</b>   | 135-146  | Entries   | 125-128                     |
| <b>Prices (<i>for individual commodities see references thereto in index</i>)</b> | 317-332  | Grants for educational and other purposes   | 131                         |
| Bonds   | 310  | Homestead entries   | 125-127, 129                |
| Export  | 332  | Indian reservations   | 126                         |
| Import  | 330  | National parks  | 132-134                     |
| <b>Index numbers—</b>   |  | Railroad and wagon-road grants  | 129, 130                    |
| Summary   | 317  | Receipts from sales of  | 164, 166                    |
| Cost of living  | 324, 326, 327                                    | Unappropriated and unreserved   | 128                         |
| Export  | 445, 609   | Withdrawals from general settlement   | 125                         |
| Farm prices   | 317, 606   | Public roads  | 215, 223, 224, 232, 365-372 |
| Import  | 445  | Public schools  | 103-110, 119, 120           |
| In foreign countries  | 325, 327   | Public service corporations, tax returns  | 189-192, 197-200            |
| Retail food   | 317, 324, 326-329                                | Public service enterprises, governmental cost payments for                        | 215, 223, 224, 228-233      |
| Wholesale   | 317-325, 606, 813-815                            | Public service, persons engaged in  | 49, 56, 58, 59              |
| <b>Livestock</b>  | 617, 618, 626                                    | Public utilities ( <i>see also Railways, electric light and power, etc.</i> )     | 189-192, 197-200, 308, 309  |
| <b>Retail food</b>  | 329  |   |                             |



1946 (continued from previous page)

| Page  | Page  |
|---|---|
| Millmen own, value in national wealth..... 327                    | Raisin..... 332, 408, 528, 600  |
| Millmen Co..... 405   | Raspberries and loganberries..... 426   |
| Phosphate and grindstones..... 498, 711, 708                      | Raster.....   |
| Pulp wood..... 331, 402, 428, 480, 500, 696                       | Freight..... 600, 621   |
| Pesticide, production..... 348, 711                               | Money—  |
| Phosphate..... 348, 712   | Discount of Federal reserve banks..... 340  |
| Patty..... 706  | Exchange..... 300-302   |
| Plywood..... 330, 523, 708, 711                                   | Interest and acceptances..... 300, 306  |
| Quarries. See Mines and quarries.                                 | Broken ware. See Baskets, etc.  |
| Quartz (silica), production..... 708, 712                         | Raw materials. See Crude materials.   |
| Quicksilver..... 698, 708, 709, 710                               | Rayon (artificial silk)..... 332, 478, 600, 607, 608, 707                             |
| Race of:  | Real estate agents and officials..... 61  |
| Africans admitted and departed..... 31-33                         | Real estate, value in national wealth..... 307, 308                                   |
| Estimated 15 years of age and over..... 27-29                     | Receipts (see also Revenue receipts):   |
| Total population. See Population, by color, etc.                  | Grain at Atlantic ports and markets..... 670, 680                                     |
| Radio apparatus..... 308, 707                                     | Livestock and livestock products at principal primary markets..... 685, 686, 688, 689 |
| Radios on farms..... 308  | Reclamation Service, irrigation projects..... 307-309                                 |
| Railroad repair shops..... 708, 710                               | Recreation..... 310, 311, 314, 315  |
| Rails, iron and steel:  | Red Cross, expenditures and personnel..... 301  |
| Consumed by railroads..... 404                                    | Religious schools..... 310  |
| Foreign trade..... 600, 601, 717, 720                             | Refrigerators..... 340, 708   |
| Prices..... 332, 712  | Registration area for births and deaths..... 77                                       |
| Production..... 710-718   | Rehabilitation, vocational..... 310, 311  |
| Traffic movement..... 402   | Religious organizations..... 61, 62   |
| Railway and other construction work, expended or used in..... 308 | Representation, congressional, by States..... 142                                     |
| Railway Mail Service..... 348                                     | Reservations:   |
| Railways and equipment, value as national wealth..... 307, 309    | Indian..... 120   |
| Railways, electric..... 400-412                                   | National parks, reservations, etc..... 120, 600-602                                   |
| Corporation tax returns..... 200                                  | Reserve, lawful. See under Banks.   |
| Value as national wealth..... 287                                 | Residences, building permits and contracts for..... 300, 310                          |
| Railways, steam..... 381-404                                      | Restaurant, café, and lunch-room keepers..... 57                                      |
| Accidents..... 408, 404   | Retail dealers..... 31  |
| Alaskan..... 382, 406   | Retail sales indexes..... 310, 311  |
| Corporation tax returns..... 198-200                              | Retirement, civil service..... 167, 168, 172  |
| Employees..... 54, 55, 385-387                                    | Revenue receipts:   |
| Equipment..... 383-385  | Of principal cities..... 223-225  |
| Finance—  | Of States..... 213, 216   |
| Capitalization..... 308, 309, 388                                 | Of United States Government—  |
| Dividends and interest..... 307, 308, 389                         | Summary..... 163  |
| Expenses..... 394-396   | By sources..... 164, 165, 172   |
| Funded debt..... 388, 389   | Customs..... 164, 165, 172  |
| Income..... 389, 391-397  | From foreign governments under debt settlement..... 166, 202, 210                     |
| Investment..... 389   | From national forests..... 166, 688   |
| Payments and loans to, by United States Government..... 172, 208  | Internal revenue..... 164, 165, 172, 175-208  |
| Revenue, operating..... 391-397                                   | Panama Canal..... 166, 424  |
| Stocks and other outstanding securities..... 388, 389             | Postal..... 167, 343, 344   |
| Taxes and assessments..... 394, 396, 397, 398                     | Public debt..... 163, 167   |
| Freight traffic..... 385, 390, 391, 396, 399, 400-402             | Sale of public lands..... 164, 166  |
| Fuel consumed..... 404  | Rice:   |
| Government expenditures for..... 168, 172                         | Summary..... 632, 639   |
| Hawaiian..... 382   | By States..... 630  |
| Land grants..... 126, 129, 130                                    | Acreage and production..... 636, 632, 633, 634, 639, 640                              |
| Mileage..... 381-383, 394, 396                                    | Cleaning and polishing..... 683, 755  |
| Passenger traffic..... 383  | Foreign trade..... 404, 524, 554, 600, 677  |
| Principal companies..... 326, 397                                 | Prices..... 321, 329, 330, 651, 659   |
| Rails and ties laid..... 404                                      | Roads, public..... 215, 223, 224, 232, 365-372  |
| Receiverships..... 385  | Roofing materials..... 513, 775   |
| Railway telegraph offices..... 357                                | Root crops for forage..... 576  |
|   | Rope..... 501, 719, 768   |
|   | Rosin..... 332, 408, 528, 600, 702  |
|   | Rosin and turpentine..... 702   |

[For reference to items not shown in index, see note, p. 819]

|  | Page                                   |   | Page   |
|--|--|---|--|
| <b>Rubber:</b>   |  | <b>Scotland (see also United Kingdom)</b>                             | 429  |
| Foreign trade  | 433, 474, 476, 478, 487, 528, 554, 675 | Screens, window and door, and weather strips                          | 761  |
| Manufacture  | 752, 763, 790                          | Screws  | 502, 503, 760  |
| Prices   | 319, 323, 330, 675                     | <b>Securities:</b>  |  |
| World production   | 675                                    | Holdings by banks   | 240, 244, 253, 254, 257, 260, 263, 265, 266, 271, 276, 277 |
| <b>Rubber manufacturing industry:</b>                                      |  | Owned by United States  | 211  |
| Summary  | 752, 763, 790                          | Transactions by banks   | 242, 243, 249  |
| Capital issues   | 308                                    | Security for loans  | 261, 272, 273, 275   |
| Persons employed   | 52, 53, 752, 763                       | <b>Seeds:</b>   |  |
| Production index   | 785                                    | Foreign trade   | 478, 488, 489, 529, 530, 554, 609                          |
| Tax returns  | 189-192, 196, 198-200                  | Acreage and production  | 572, 576, 634, 636   |
| <b>Rugs. See Carpets and rugs.</b>   |  | <b>Seines. See Nets, etc.</b>   |  |
| <b>Rumania</b>   | 209, 210, 291, 377                     | <b>Semimanufactures</b>   | 324, 452, 453, 455, 459-461, 815                           |
| Trade with United States   | 429, 464                               | <b>Semiskilled operatives</b>   | 52, 53, 55   |
| <b>Rural free delivery of mails</b>  | 346, 348                               | <b>Senegal, trade with United States</b>                              | 430  |
| <b>Russia</b>  | 209, 210, 377, 419, 420                | <b>Service, public, corporation tax returns</b>                       | 189-192, 197-200   |
| Trade with United States   | 429, 430, 464, 466, 468                | <b>Sewing machines</b>  | 323, 509, 517, 772, 795                                    |
| <b>Rutile, production</b>  | 710                                    | <b>Sex distribution. See Population, by sex.</b>                      |  |
| <b>Rye:</b>  |  | <b>Sheep:</b>   |  |
| Summary  | 658                                    | Foreign trade   | 480, 519   |
| By States  | 650                                    | Grazing in national forests   | 688  |
| Acreage and production   | 572, 576, 633, 634, 650, 658           | Inspected and slaughtered   | 619, 630   |
| Consumed in flour mills  | 682                                    | Number and value  | 611, 613, 614  |
| Foreign trade  | 433, 474, 484                          | Prices  | 617, 618   |
| Prices   | 321, 332, 651, 658, 678, 679           | Receipts at specified primary markets                                 | 615, 616   |
| Receipts at Atlantic ports   | 679                                    | Traffic movement  | 400  |
| <b>Saddlery and harness</b>  | 51, 53, 483, 763                       | <b>Shellac</b>  | 330, 528   |
| <b>Sales and vaults</b>  | 501, 760                               | <b>Shellfish. See Individual varieties.</b>                           |  |
| <b>Sago. See Tapioca, etc.</b>   |  | <b>Shells (see also Ivory, etc., work)</b>                            | 524, 554   |
| <b>Sails. See Awnings, etc.</b>  |  | <b>Shingles</b>   | 323, 495, 538, 693   |
| <b>St. Louis, financial statistics</b>                                     | 228, 230, 232, 236, 262, 281, 285      | <b>Shipbuilding</b>   | 51, 53, 418, 419, 773                                      |
| <b>Salaries. See Wages and also individual industries and occupations.</b> |  | <b>Shipping. See Merchant marine and tonnage.</b>                     |  |
| <b>Sale of surplus war material</b>  | 209-211                                | <b>Shipping and canals, value as national wealth</b>                  | 287  |
| <b>Sales tax</b>   | 175                                    | <b>Shipping Board and Shipping Board Emergency Fleet Corporation:</b> |  |
| <b>Sales indexes, wholesale and retail</b>                                 | 310, 311                               | Financial statistics  | 168, 172, 422  |
| <b>Salmon</b>  | 321, 481, 520, 682, 702, 703           | Vessels controlled  | 418, 421, 427, 428   |
| <b>Salt:</b>   |  | Vessels sold  | 421  |
| Foreign trade  | 499, 542, 745                          | <b>Shipping corporations, capital issues</b>                          | 308  |
| Manufacture  | 767                                    | <b>Shirts</b>   | 491, 537, 757  |
| Prices   | 321                                    | <b>Shoemakers and cobblers</b>  | 53   |
| Production   | 711, 745                               | <b>Shoes. See Boots and shoes.</b>                                    |  |
| Traffic movement   | 401, 414                               | <b>Shoe stores, sales indexes</b>                                     | 310, 311   |
| <b>Salt well and works operatives</b>                                      | 50                                     | <b>Showcases, manufacture. See Furniture.</b>                         |  |
| <b>Salvador, trade with United States</b>                                  | 429, 462                               | <b>Shrimps</b>  | 682, 702, 703  |
| <b>Samoa, American</b>   | 1, 3, 561                              | <b>Siam, trade with United States</b>                                 | 466  |
| <b>Sand and emery paper and cloth</b>                                      | 775                                    | <b>Signs and advertising novelties</b>                                | 775  |
| <b>Sand, glass, molding, building, etc</b>                                 | 712                                    | <b>Silage, acreage and production</b>                                 | 576  |
| <b>Sand, gravel, etc</b>   | 401, 415, 497, 540                     | <b>Silica, production</b>   | 708, 712   |
| <b>Sand-lime, brick</b>  | 712, 768                               | <b>Silk, artificial (rayon)</b>                                       | 322, 478, 493, 537, 555, 767                               |
| <b>Sandstone</b>   | 708, 743                               | <b>Silk goods:</b>  |  |
| <b>Sanitation, expenditure for. See Health, etc.</b>                       |  | Foreign trade   | 433, 478, 492, 537, 555, 674                               |
| <b>Sault Ste. Marie Canal, traffic</b>                                     | 414                                    | Manufacture   | 756, 787   |
| <b>Sausage</b>   | 480, 630, 754                          | Prices  | 319, 322   |
| <b>Sausage casings</b>   | 481, 521, 554                          | <b>Silk, unmanufactured:</b>  |  |
| <b>Savings (see also Postal savings, Banks, savings, etc.)</b>             | 271                                    | Foreign trade   | 477, 478, 536, 555, 674                                    |
| <b>Savings banks. See under Banks.</b>                                     |  | Prices  | 322, 331   |
| <b>Sawmill products</b>  | 475, 477, 479, 494, 538, 639-692       | <b>Silver:</b>  |  |
| <b>Saws</b>  | 502, 761                               | Bullion, value of   | 728  |
| <b>Scales and balances, manufacture</b>                                    | 772                                    | Coin and bullion in the United States                                 | 238  |
| <b>School and library buildings</b>  | 809, 810                               | Coinage of mints  | 237  |
| <b>Schools. See Education.</b>   |  | Commercial value of, produced   | 727, 728   |
| <b>Scientific instruments</b>  | 479, 515, 550, 774                     | For use in manufactures and the arts                                  | 728  |

[For references to books not shown in index, see index, p. 835]

|   | Page                                 |   | Page                                     |
|---|--------------------------------------|---|--|
| <b>Silver—Continued.</b>                                  |                                      | <b>Steam-fitting and steam and hot-water heat-</b>      |  |
| Imports and exports.....                                  | 443, 445, 448, 449, 535              | ing apparatus.....                                      | 751                                      |
| Leaf and foil.....  | 779                                  | <b>Steamboat Inspection Service.....</b>                | <b>424</b>                               |
| Prices.....   | 322, 725                             | <b>Steel production (see also Iron and steel and</b>    |  |
| Production.....   | 703, 710, 737                        | Iron and steel industry.....                            | 715, 716, 718, 721                       |
| Ratio of, to gold.....                                    | 728                                  | <b>Stereotyping and electrotyping.....</b>              | <b>705</b>                               |
| Reducing and refining.....                                | 709                                  | <b>Stock grazing in national forests.....</b>           | <b>696</b>                               |
| Single persons.....                                       | 31-35, 42                            | <b>Stock-raising homestead entries.....</b>             | <b>125-127, 130</b>                      |
| Strap.....  | 487, 694, 670, 693, 755              | <b>Stocks, prices, sales, and issues.....</b>           | <b>300-310</b>                           |
| Skating-rink keepers. <i>See</i> Billiard room, etc.      |                                      | <b>Stone.....</b>                                       | <b>414, 415, 497, 540, 703, 712, 713</b> |
| Skilled occupations.....                                  | 53, 92                               | <b>Stone, clay, and glass products industry:</b>        |  |
| Skins. <i>See</i> Fides, etc.                             |                                      | Summary.....  | 703, 705                                 |
| Slate.....  | 497, 703, 712                        | Corporation tax returns.....                            | 130-132, 135, 136-139                    |
| Slaughtering and meat packing....                         | 336, 619, 630, 754                   | Persons employed.....                                   | 51, 52, 703, 705                         |
| Slot vending machines.....                                | 735                                  | Production index.....                                   | 705                                      |
| Smelting and refining.....                                | 709                                  | <b>Stone and timber land, entries and patents..</b>     | <b>125,</b>                              |
| Smelting plants, accidents at.....                        | <b>742, 747</b>                      | <b>132, 139</b>   |  |
| Snap fasteners. <i>See</i> Needles, pins, etc.            |                                      | <b>Stonecutters.....</b>                                | <b>54, 339, 340</b>                      |
| Soap.....   | 51, 52, 323, 479, 515, 540, 767, 793 | <b>Stoves and hot-air furnaces.....</b>                 | <b>332, 334, 731</b>                     |
| Society Islands.....                                      | 430                                  | <b>Straits Settlements.....</b>                         | <b>304, 305, 420</b>                     |
| Soda-water apparatus.....                                 | 775                                  | <b>Straw factories, employees.....</b>                  | <b>52, 53</b>                            |
| Soda waters. <i>See</i> Mineral, etc., waters.            |                                      | <b>Strawberries, acreage and production.....</b>        | <b>635, 636</b>                          |
| Sodium compounds.....                                     | 513, 543, 791                        | <b>Street-cleaning laborers.....</b>                    | <b>54</b>                                |
| Solder. <i>See</i> Babbitt metal, etc.                    |                                      | <b>Strikes in coal mines.....</b>                       | <b>731</b>                               |
| Soldiers, sailors, and marines.....                       | 53, 147-149                          | <b>Structural iron and steel.....</b>                   | <b>322,</b>                              |
| Sorghums (kafir, milo, etc.) 572, 576, 633, 634, 635, 636 |                                      | <b>322, 500, 543, 716-718, 720</b>                      |  |
| South Africa ( <i>see also</i> Union of South Africa)..   | 327                                  | <b>Structural iron works (see also Iron and</b>         |  |
| South America, trade.....                                 | 430-432, 435-438, 439, 553           | steel).....   | 54, 700                                  |
| Southern Express Co.....                                  | 405                                  | <b>Students in universities and colleges....</b>        | <b>104, 112-119</b>                      |
| Soy beans.....  | 634                                  | <b>Subways.....</b>                                     | <b>407, 408, 412</b>                     |
| Spain.....  | 391, 393, 377, 419, 420              | <b>Sugar:</b>   |  |
| Trade with United States....                              | 420, 434, 435, 573, 720              | Consumption.....  | 633, 637                                 |
| Spelt and emmer, acreage and production....               | 634                                  | Foreign trade....                                       | 433, 476, 478, 487, 527, 554, 605, 637   |
| Spice.....  | 478, 487, 527, 554                   | Hawaiian, production.....                               | 636, 639                                 |
| Spinach.....  | 636, 682                             | Maple, and sirup.....                                   | 528, 634, 679                            |
| Spindles, cotton.....                                     | 801, 802                             | Prices.....   | 321, 329, 332, 339, 637                  |
| Spirits, distilled.....                                   | 175, 176, 487, 528, 767, 804         | Production.....   | 632, 636-670, 683                        |
| Sponges.....  | 484, 524, 554                        | Refining.....   | 638, 639, 715                            |
| Sporting and athletic goods.....                          | 479, 517, 550, 775                   | Traffic movement.....                                   | 401, 415                                 |
| Spring, steel, car and carriage.....                      | 760                                  | World production.....                                   | 636                                      |
| Stamped and enameled ware.....                            | 501, 543, 770                        | <b>Sugar beets.....</b>                                 | <b>572, 576, 633, 634, 635, 636</b>      |
| Stamps:   |                                      | <b>Sugar cane.....</b>                                  | <b>572, 634, 669, 670, 683</b>           |
| Hand.....   | 774                                  | <b>Sugar crops.....</b>                                 | <b>634, 636</b>                          |
| Postage, issued.....                                      | 343, 346                             | <b>Sugar Equalization Board.....</b>                    | <b>172</b>                               |
| Revenue, from sale of documentary.....                    | 175, 176                             | <b>Suicides.....</b>                                    | <b>89</b>                                |
| Savings.....  | 205, 207, 269                        | <b>Sulphur.....</b>                                     | <b>415, 433, 499, 703, 712</b>           |
| Stamp tax.....  | 175, 176                             | <b>Sulphuric acid.....</b>                              | <b>323, 513, 548, 712, 767</b>           |
| Star route mail service.....                              | 346                                  | <b>Sumatra, trade with United States.....</b>           | <b>430</b>                               |
| Starch.....   | 323, 489, 531                        | <b>Summer schools.....</b>                              | <b>118</b>                               |
| State aid for public roads.....                           | 368, 372                             | <b>Sunday schools.....</b>                              | <b>62</b>                                |
| State banks.....  | 256, 258, 265                        | <b>Sunshine, percentage of possible, in selected</b>    |  |
| State highways. <i>See</i> Public roads.                  |                                      | cities.....   | 135-146                                  |
| State land grants.....                                    | 131                                  | <b>Surgical appliances.....</b>                         | <b>516, 776</b>                          |
| States:   |                                      | <b>Surinam (Netherland Guiana).....</b>                 | <b>430, 462</b>                          |
| Areas and dates of organization.....                      | 1, 2                                 | <b>Surplus or deficit of United States Govern-</b>      |  |
| Finance.....  | 213-220                              | ment.....   | 163                                      |
| Population and rank.....                                  | 6-9                                  | <b>Suspenders, garters, etc.....</b>                    | <b>493, 758</b>                          |
| Taxes.....  | 215, 216                             | <b>Sweden (<i>see also</i> World statistics), trade</b> |  |
| Value of property.....                                    | 214, 288-290                         | with United States.....                                 | 429, 434, 463                            |
| Stationery goods.....                                     | 496, 539, 776                        | <b>Swine:</b>   |  |
| Statuary and art goods.....                               | 517, 551, 555, 769                   | Foreign trade.....                                      | 480, 519                                 |
| Staves.....   | 495, 693                             | Inspected and slaughtered.....                          | 619                                      |
| Steak, prices.....  | 329                                  | Number and value.....                                   | 611, 613, 614                            |
| Steam boiler insurance.....                               | 307                                  | Prices.....   | 321, 617, 618                            |
| Steam engines and turbines 359, 360, 507, 546, 751, 794   |                                      |   |  |

[For reference to items not shown in index, see note, p. 819]

|   | Page                         |  | Page                                   |
|---|------------------------------|--|--|
| Swine—Continued.                                    |                              | Theater admissions tax.....                          | 175, 177                               |
| Receipts at specified primary markets....           | 615, 616                     | Theatrical scenery manufacture.....                  | 776                                    |
| Traffic movement.....                               | 400                          | Thread.....  | 488, 490, 532, 533, 786-788            |
| Switzerland.....                                    | 291, 326, 327, 377           | Ties, railroad.....                                  | 401, 404, 415, 494, 538                |
| Trade with United States.....                       | 464, 468                     | Tile. See Brick, etc.                                |  |
| Syria. See Palestine, etc.                          |                              | Timber ( <i>see also</i> Lumber):                    |  |
| Tailors.....  | 54                           | Consumed in veneers.....                             | 692                                    |
| Talc and soapstone, production.....                 | 708, 712                     | Land entries.....                                    | 125, 128, 129                          |
| Takum, French chalk.....                            | 542                          | Removed annually.....                                | 688, 691                               |
| Tallow.....   | 323, 481                     | Stand of.....  | 685, 686                               |
| Tanks, drums and barrels, steel.....                | 543, 760                     | Time loans, interest rates on.....                   | 294, 295                               |
| Tanneries, persons employed in.....                 | 51, 53, 763, 789             | Timothy seed.....                                    | 489, 678                               |
| Tanning extracts.....                               | 489, 530, 766, 792           | Tin, bars, etc.....                                  | 322, 331, 477, 504, 545, 555, 705, 710 |
| Papioca, sago, cassava, and arrowroot.....          | 525                          | Tin plate and terneplate....                         | 322, 331, 500, 543, 716, 719           |
| Tar.....  | 488, 512, 528, 734, 739      | Tinsmiths and coppersmiths.....                      | 54                                     |
| Tariff.....   | 555-557                      | Tinware.....   | 51, 53, 500, 761                       |
| Tasmania, trade with United States.....             | 430                          | Tires.....   | 319, 323, 488, 528, 763, 790           |
| Taxation:   |                              | Titanium ore, production of.....                     | 710                                    |
| Express companies.....                              | 405                          | Tobacco:   |  |
| For rural roads.....                                | 570                          | Summary.....   | 654, 662                               |
| Motor-vehicle registration fees.....                | 376                          | Acreage and production.....                          | 633, 635, 636, 654, 662                |
| National ( <i>see also</i> Customs and Internal     |                              | Foreign trade.....                                   | 433, 478, 478, 489, 531, 554, 677, 805 |
| revenue)—   |                              | Leaf consumption.....                                | 804, 805                               |
| Capital stock tax.....                              | 199, 200                     | Manufacture.....                                     | 51, 52, 753, 771, 805                  |
| Federal estate tax.....                             | 201                          | Prices.....  | 321, 323, 330, 332, 655, 662           |
| Income and profits tax.....                         | 179-198                      | Production index.....                                | 785                                    |
| Railways.....                                       | 394, 395, 397, 398           | Revenue from manufactures.....                       | 175, 176                               |
| State, municipal, and local—                        |                              | Traffic movement.....                                | 400                                    |
| City taxes.....                                     | 223, 224, 230                | Tabago and Trinidad.....                             | 377, 462                               |
| Gasoline tax.....                                   | 374                          | Toilet preparations, etc.....                        | 479, 515, 549, 766, 793                |
| General property tax.....                           | 213                          | Tomatoes.....  | 485, 525, 576, 636, 662                |
| State taxes.....                                    | 214-216                      | Tonnage:   |  |
| Tea.....  | 330, 527, 554, 674           | Entered at and cleared from seaports....             | 434-439                                |
| Teachers.....                                       | 56, 103, 104, 108-114, 120   | Of Merchant Marine.....                              | 417-421                                |
| District of Columbia, retirement fund for..         | 172                          | Of Navy vessels.....                                 | 149, 180                               |
| Teamsters and drivers, union wages and              |                              | Of water-borne foreign commerce....                  | 413, 426-434                           |
| hours of labor.....                                 | 338, 340                     | Through Panama Canal.....                            | 425, 426                               |
| Telegraph and telephone apparatus.....              | 506, 797                     | Through Sault Ste. Marie Canal.....                  | 414                                    |
| Telegraph and telephone companies:                  |                              | Tools ( <i>see also</i> Cutlery and Machine tools).. | 502,                                   |
| Tax returns.....                                    | 200                          |  | 503, 543, 761                          |
| Value as national wealth.....                       | 287                          | Toys, etc.....                                       | 479, 516, 517, 550, 776                |
| Telegraph systems.....                              | 54, 55, 355-357              | Traction companies ( <i>see also</i> Railways, elec- |  |
| Telephone systems.....                              | 54, 55, 351-355              | tric).....   | 307, 309                               |
| Telephones on farms.....                            | 602                          | Tractors and tractor engines.....                    | 323,                                   |
| Temperature, selected cities.....                   | 135-146                      |  | 511, 602, 603, 794, 798, 800           |
| Tents. See Awnings, etc.                            | —                            | Trade (business):                                    |  |
| Tenure:   |                              | Corporation tax returns.....                         | 189-192, 197-200,                      |
| Of farms.....                                       | 590-595, 597                 | Failures.....  | 314, 315                               |
| Of homes.....                                       | 30, 31, 42                   | Persons engaged in.....                              | 49, 55, 58, 59                         |
| Terra cotta. See Brick, etc.                        |                              | Trade and industry, vocational training in..         | 120-123                                |
| Territorial accessions of the United States,        |                              | Trade-marks.....                                     | 811                                    |
| date and area.....                                  | 1                            | Trade regions, foreign trade by.....                 | 428-430                                |
| Territories.....                                    | 1, 3                         | Transportation:                                      |  |
| Textile industry:                                   |                              | Internal revenue from.....                           | 175, 176                               |
| Summary.....  | 752, 756, 786                | Of foreign commerce.....                             | 427, 428, 434-441                      |
| Corporation tax returns..                           | 189, 190, 192, 196, 198-200  | Of mails.....  | 345                                    |
| Employment and pay-roll indexes.....                | 341                          | Persons engaged in.....                              | 49, 54, 58, 59, 385-387                |
| Persons employed.....                               | 51, 53, 752, 756             | Transportation and transmission enterprises,         |  |
| Production index.....                               | 785                          | value as national wealth.....                        | 287, 288                               |
| Wages and hours of labor.....                       | 333                          | Transportation corporations, tax returns..           | 189-192,                               |
| Textile machinery.....                              | 509, 546, 555, 772, 795, 796 |  | 197-200                                |
| Textiles ( <i>see also</i> individual commodities): |                              | Transportation equipment, air, land, water..         | 753, 772                               |
| Foreign trade.....                                  | 478, 480, 531, 534           | Treasury, money held in.....                         | 239                                    |
| Prices.....   | 318-320, 322, 324, 313       | Treasury notes.....                                  | 202, 204, 206                          |
| Traffic movement.....                               | 401, 415, 416                | Trinidad and Tobago.....                             | 377, 462                               |

[For reference to items not shown in index, see note, p. 810]

|  | Page                              | Vital statistics:                                   | Page                   |
|--|-----------------------------------|---|------------------------|
| <b>Track vegetables</b> .....                        | 572, 680                          | <b>Births</b> .....                                 | 83-86                  |
| <b>Trunks, suitcases, and bags</b> .....             | 482, 512, 790                     | <b>Deaths</b> —                                     |                        |
| <b>Tanners, piano and organ</b> .....                | 59                                | Causes.....   | 82, 87                 |
| <b>Tungsten</b> .....                                | 502, 544, 740                     | Infant.....   | 77, 82, 87, 88         |
| <b>Tunisia</b> .....                                 | 377, 429, 495                     | Number of, in registration States... 77, 79, 82, 83 |                        |
| <b>Turbines. See Water wheels, etc.</b>              |                                   | Rate.....   | 77-83, 85              |
| <b>Turkey</b> .....                                  | 377, 429, 494                     | Stillbirths.....                                    | 86                     |
| <b>Turkeys</b> .....                                 | 624, 686                          | Excess of births over deaths.....                   | 82-85                  |
| <b>Turpentine and resin</b> .....                    | 332, 462, 502, 604, 762           | Registration area, States included and              |                        |
| <b>Twine</b> .....                                   | 490, 491, 532, 534, 757, 788      | dates when added.....                               | 77                     |
| <b>Type founding</b> .....                           | 763                               | Deaths from accidents. <i>See Accidents.</i>        |                        |
| <b>Typewriters and supplies</b> .....                | 510, 772, 795                     | Homicides and suicides.....                         | 89                     |
|  |                                   | Marriages and divorces.....                         | 89, 90                 |
| <b>Ukraine, trade with United States</b> .....       | 429                               | Vocational education.....                           | 120-123                |
| <b>Umbrellas and canes</b> .....                     | 512, 532, 776                     | Vocational rehabilitation.....                      | 124, 156               |
| <b>Undertakers</b> .....                             | 56                                | <b>Vote:</b>  |                        |
| <b>Union of South Africa (see also South</b>         |                                   | Electoral, by parties and by States.....            | 161                    |
| <b>Africa)</b> .....                                 | 377, 429                          | Popular, for presidential electors.....             | 160                    |
| <b>Union rate of wages and hours of labor</b> ..     | 336, 339-340                      | <b>Voting age:</b>                                  |                        |
| <b>United Kingdom (see also England and</b>          |                                   | Citizenship of foreign-born persons of.....         | 26                     |
| <b>world statistics) trade with United States</b> .. | 423,                              | Illiterates of.....                                 | 27-29                  |
|  | 429, 464, 492, 532, 672, 720      | Total population of.....                            | 12, 19                 |
| <b>United States securities purchased and held</b>   |                                   |   |                        |
| by Federal reserve banks.....                        | 240, 242, 244                     | <b>Wage earners (see also Employees):</b>           |                        |
| <b>Universities</b> .....                            | 104, 114-117                      | Electric light and power plants.....                | 269                    |
| <b>Upholsterers</b> .....                            | 54                                | <b>Manufactures—</b>                                |                        |
| <b>Upholstering materials</b> .....                  | 482, 491, 532, 739, 787           | Summary.....  | 749                    |
| <b>Uranium and vanadium ores</b> .....               | 544, 710                          | By general groups of industries.....                | 752                    |
| <b>Uruguay</b> .....                                 | 291, 377                          | By selected industries.....                         | 754-756                |
| Trade with United States.....                        | 429, 462, 492, 720                | By size of establishments.....                      | 759                    |
| <b>United States Veterans' Bureau</b> ....           | 153-157, 168, 172                 | By States.....                                      | 760-764                |
|  |                                   | In principal cities.....                            | 773                    |
| <b>Vacuum cleaners</b> .....                         | 795                               | In iron and steel industry.....                     | 714, 752               |
| <b>Valises (see also Trunks, etc.)</b> .....         | 483                               | Mines and quarries.....                             | 706-709                |
| <b>Vanadium and uranium ores</b> .....               | 544, 710                          | Railways, electric.....                             | 407                    |
| <b>Vanilla beans, foreign trade</b> .....            | 527, 554                          | Railways, steam.....                                | 386                    |
| <b>Varnishes and paints</b> .....                    | 514, 549, 767, 793                | Telephone systems.....                              | 351                    |
| <b>Veal</b> .....                                    | 480, 519, 619, 630                | <b>Wages (see also Hours of labor):</b>             |                        |
| <b>Vegetable oils. See under Oils.</b>               |                                   | Automobile industry.....                            | 337                    |
| <b>Vegetable products (food and other)</b> .....     | 415,                              | Boot and shoe industry.....                         | 334                    |
|  | 416, 484, 487, 524, 528, 554, 682 | Coal industry.....                                  | 336, 708               |
| <b>Vegetables (see also individual commodities):</b> |                                   | Electric light and power plants.....                | 359                    |
| Acres and production.....                            | 572, 576, 634, 636                | Foundries and machine shops.....                    | 335                    |
| Canning and preserving.....                          | 682, 764                          | Hired farm labor.....                               | 600, 607               |
| Foreign trade.....                                   | 433, 485, 525, 654, 609           | Index numbers.....                                  | 333-336, 338, 339, 341 |
| Traffic movement.....                                | 400                               | Iron and steel industry.....                        | 834, 335, 714, 752     |
| <b>Vehicles (see also Motor vehicles):</b>           |                                   | Lumber industry.....                                | 335                    |
| Foreign trade.....                                   | 434, 479, 511, 547                | Manufacturing industry.....                         | 749, 750, 752-784      |
| Manufacture.....                                     | 51, 53, 341, 772, 773, 785, 800   | In principal cities.....                            | 778                    |
| <b>Veneers</b> .....                                 | 495, 692                          | Mines and quarries.....                             | 706, 708, 709          |
| <b>Venezuela</b> .....                               | 291, 377, 430, 462, 468, 720      | Metalliferous mining.....                           | 337, 708               |
| <b>Vessels (see also Merchant marine):</b>           |                                   | Pay-roll indexes.....                               | 341                    |
| Employed in fisheries.....                           | 417, 700                          | Potteries.....                                      | 337                    |
| Entered and cleared at ports.....                    | 434-439                           | Railroads.....                                      | 386, 407               |
| Fuel consumed by.....                                | 730-737                           | Slaughtering and meat packing.....                  | 336, 754               |
| Navy.....  | 149, 150                          | Textile industry.....                               | 333, 752               |
| Passing through Sault Ste. Marie Canal... 414        |                                   | Telegraph systems.....                              | 357                    |
| Passing through the Panama Canal.....                | 425, 426                          | Telephone systems.....                              | 351                    |
| <b>Veterans' Bureau</b> .....                        | 153-157, 168, 172                 | Union rates in specified trades.....                | 336, 338-340           |
| <b>Vinegar and cider</b> .....                       | 485, 755                          | Wood pulp and paper mills.....                      | 337, 764               |
| <b>Virgin Islands:</b>                               |                                   | Wagon-road land grants.....                         | 129, 130               |
| Aren, population, and date of accession.... 1, 3     |                                   | Wagons, carriages, etc.....                         | 51, 53, 512, 773, 800  |
| Trade.....   | 462, 562                          | Wales, trade with United States.....                | 429                    |
| Other statistics.....                                | 105-109, 348, 349                 | Wall paper.....                                     | 496, 539, 765          |

[For reference to items not shown in index, see note, p. 819]

|  | Page                                  |   | Page                              |
|--|---------------------------------------|---|-----------------------------------|
| Walnuts.....   | 526, 554, 635                         | Wire rods, iron and steel.....                                | 499, 543, 716-718, 720            |
| War Department:  |                                       | Wireless telegraphy, summary.....                             | 355                               |
| Employees.....   | 158                                   | Wood ( <i>see also</i> Lumber and Timber):                    |                                   |
| Expenditures.....  | 165, 170, 172, 174                    | Manufactures.....   | 475, 479, 495, 538, 761           |
| War Finance Corporation.....   | 158, 172, 277                         | Unmanufactured.....   | 401, 479, 493, 538                |
| War, World, money cost of.....   | 208                                   | Wood carving.....   | 53, 762                           |
| War-savings securities.....  | 202, 204, 206                         | Wood distillation.....  | 767                               |
| Washing machines and clothes wringers.....                                   | 510, 772, 795                         | Wood fuel, consumption by railroads.....                      | 404                               |
| Watches and clocks.....  | 51, 53, 479, 517, 551, 770            | Wood preserving.....  | 762                               |
| Water-borne commerce.....  | 413, 426-432                          | Wood pulp ( <i>see also</i> Paper and wood pulp):             |                                   |
| Water, piped on farms.....   | 602                                   | Foreign trade.....  | 433, 477, 496, 539                |
| Water reserves, public, withdrawn from gen-<br>eral settlement.....          | 125                                   | Manufacture.....  | 694, 695, 764                     |
| Water wheels and turbines.....   | 359, 360, 507, 751, 794               | Mills, hours of labor in.....                                 | 337                               |
| Watermelons.....   | 636                                   | Prices.....   | 323, 331                          |
| Water power.....   | 359, 360, 751, 817                    | Wool:   |                                   |
| Waterways, internal.....   | 413-416                               | Consumption.....  | 629                               |
| Waterworks.....  | 200, 287                              | Foreign trade.....  | 433, 477, 478, 492, 535, 554, 628 |
| Wax:   |                                       | Prices.....   | 321, 331, 628                     |
| Animal.....  | 484, 524, 620                         | Production.....   | 620, 628, 629, 632                |
| Mineral (paraffin).....  | 497, 540, 542, 555, 739, 740          | Traffic movement.....   | 400                               |
| Vegetable.....   | 529                                   | Wool manufactures:  |                                   |
| Wealth of the United States.....   | 287-290                               | Summary.....  | 756, 757                          |
| Wearing apparel, manufacture and sales.....                                  | 310, 311, 757                         | Foreign trade in products.....                                | 477, 478, 492, 535, 554           |
| Weather strips and screens, window and door.....                             | 761                                   | Prices of products.....                                       | 319, 322                          |
| Weeks law, lands acquired under.....   | 688                                   | Production.....   | 756, 757, 787                     |
| West Indies ( <i>see also</i> Cuba, Haiti, Dominican<br>Republic, etc.)..... | 429, 462, 468                         | Workmen's compensation insurance.....                         | 307                               |
| Western Union Telegraph Co.....  | 357                                   | World statistics, totals and principal coun-<br>tries:        |                                   |
| Whale fisheries, vessels employed in.....                                    | 417                                   | Automobile registration.....                                  | 377                               |
| Whale oil. <i>See</i> Oils, fish.  |                                       | Cost of living in foreign countries, index<br>numbers of..... | 327                               |
| Wheat:   |                                       | Debts due United States.....                                  | 206-211                           |
| Summary.....   | 632, 658, 675, 676                    | Exchange rates.....   | 291-293                           |
| By States.....   | 644                                   | Merchant marine.....  | 420                               |
| Acreage and production.....  | 572, 576, 632-634, 636, 644, 658, 675 | Merchant vessels launched.....                                | 419                               |
| Consumed in flour mills.....   | 682                                   | Motor-vehicle registration.....                               | 377                               |
| Foreign trade.....   | 433, 474, 484, 524, 676, 677          | Petroleum production.....                                     | 738                               |
| Freight rates.....   | 680, 681                              | Price index numbers, wholesale.....                           | 325, 327                          |
| Prices.....  | 321, 330, 332, 645, 658, 678, 679     | Rubber, production.....                                       | 675                               |
| Receipts at ports and markets.....   | 679, 680                              | Sugar production.....   | 666                               |
| Supply and distribution.....   | 676                                   | Trade with United States.....                                 | 429, 430, 456-458, 460-468        |
| Traffic movement.....  | 400, 414                              | World War, money cost of.....                                 | 208                               |
| Wheat flour:   |                                       | Wrecks and casualties of vessels.....                         | 423                               |
| Foreign trade.....   | 433, 474, 484, 524, 677               | Wringers, clothes, and washing machines.....                  | 772, 795                          |
| Manufacture.....   | 682                                   | Yarns:  |                                   |
| Prices.....  | 321, 329, 332                         | Artificial silk (rayon).....                                  | 493, 537                          |
| Whips.....   | 776                                   | Cotton.....   | 322, 490, 532, 786                |
| White population. <i>See</i> Population, by color<br>or race.                |                                       | Jute and linen.....   | 491, 533, 788                     |
| Wholesale dealers, importers and exporters.....                              | 56                                    | Wool.....   | 322, 492, 535, 787                |
| Wholesale sales index.....   | 311                                   | Yeast.....  | 485, 765                          |
| Widowed persons.....   | 21-26, 42                             | Yugoslavia.....   | 209, 210, 291, 377, 420           |
| Willow ware. <i>See</i> Baskets, etc.  |                                       | Trade with United States.....                                 | 429                               |
| Wind velocity, in selected cities.....                                       | 135-146                               | Yugoslavia and Albania, trade with United<br>States.....      | 464                               |
| Windmills.....   | 511, 772, 795                         | Zinc:   |                                   |
| Window shades and fixtures.....  | 776                                   | Summary, production, consumption, etc.....                    | 726                               |
| Wines.....   | 528                                   | Foreign trade.....  | 504, 545, 726                     |
| Wire:  |                                       | Persons engaged in manufacture.....                           | 51, 53                            |
| Foreign trade.....   | 500, 501, 504, 543, 720               | Prices.....   | 322, 705                          |
| Prices.....  | 332                                   | Production.....   | 710, 726                          |
| Manufacture.....   | 718, 719, 725, 761                    |   |                                   |













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